



LEAF

D A T A S Y S T E M S

POWERED BY MJ FREEWAY

Leaf Data Systems
State of Washington
Licensee User Manual v1.37.5

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Change Summary

PART	SECTION	SUBSECTION	CHANGE DETAIL	FIX VERSION	JIRA TICKET
PART ONE: Table of Data Set Descriptions	Production Facility Data Set Descriptions	Adding Batches	Description updated to include "Propagation Material" batches	1.35.6	N/A
PART ONE	Production Facility Data Set Descriptions	Modifying Plants	Description updated to remove ability to move individual plants from area to area.	1.35.6	N/A
PART ONE	Production Facility Data Set Descriptions	Inventory Conversion	Section Added	1.35.6	N/A
PART ONE	Production Facility Data Set Descriptions	Inventory Destruction	Section Added	1.35.6	N/A
PART ONE	Processing Facility Data Set Descriptions	Adding Batches	Description updated to include "Propagation Material" batches	1.35.6	N/A
PART ONE	Processing Facility Data Set Descriptions	Inventory Destruction	Section Added	1.35.6	N/A
PART ONE	Retailer Facility Data Set Descriptions	Adding Batches	Description updated to include "Propagation Material" batches	1.35.6	N/A
PART ONE	Retailer Facility Data Set Descriptions	Inventory Destruction	Section Added	1.35.6	N/A
PART TWO: High Level Workflow Diagrams	Production Facility Workflow	Propagation, Living Plant Processes, Inventory Functions	Updated to include Propagation Inventory and Conversions	1.35.6	N/A
PART THREE: Manual Data Entry Procedures	Procedures for Manual Data Entry at Production Facilities	Administrative Setup	Added "Create User Profiles" section	1.35.6	N/A

PART	SECTION	SUBSECTION	CHANGE DETAIL	FIX VERSION	JIRA TICKET
PART THREE	Procedures for Manual Data Entry at Production Facilities	Administrative Setup	Updated "Viewing and Modifying Users" section	1.35.6	N/A
PART THREE	Procedures for Manual Data Entry at Production Facilities	Understanding Batches	Section Added	1.35.6	N/A
PART THREE	Procedures for Manual Data Entry at Production Facilities	Adding Plants	Section Removed	1.35.6	N/A
PART THREE	Procedures for Manual Data Entry at Production Facilities	Adding Propagation Material Inventory	Section Added	1.35.6	N/A
PART THREE	Procedures for Manual Data Entry at Production Facilities	Moving Propagation Inventory to Plants	Section Added	1.35.6	N/A
PART THREE	Procedures for Manual Data Entry at Production Facilities	Living Plant Processes	Updated "Changing Areas"	1.35.6	N/A

PART	SECTION	SUBSECTION	CHANGE DETAIL	FIX VERSION	JIRA TICKET
PART THREE	Procedures for Manual Data Entry at Production Facilities	Destructions	Updated Section	1.35.6	N/A
PART THREE	Procedures for Manual Data Entry at Production Facilities	Inventory Transfers	Updated Section to include all procedures related to inventory transfers	1.35.6	N/A
PART THREE	Procedures for Manual Data Entry at Processing Facilities	Administrative Setup	Added "Create User Profiles" section	1.35.6	N/A
PART THREE	Procedures for Manual Data Entry at Processing Facilities	Administrative Setup	Updated "Viewing and Modifying Users" section	1.35.6	N/A
PART THREE	Procedures for Manual Data Entry at Processing Facilities	Understanding Batches	Section Added	1.35.6	N/A
PART THREE	Procedures for Manual Data Entry at Processing Facilities	Destructions	Updated Section	1.35.6	N/A

PART	SECTION	SUBSECTION	CHANGE DETAIL	FIX VERSION	JIRA TICKET
PART THREE	Procedures for Manual Data Entry at Processing Facilities	Inventory Transfers	Updated Section to include all procedures related to inventory transfers	1.35.6	N/A
PART THREE	Procedures for Manual Data Entry at Retailer Facilities	Administrative Setup	Added "Create User Profiles" section	1.35.6	N/A
PART THREE	Procedures for Manual Data Entry at Retailer Facilities	Administrative Setup	Updated "Viewing and Modifying Users" section	1.35.6	N/A
PART THREE	Procedures for Manual Data Entry at Retailer Facilities	Understanding Batches	Section Added	1.35.6	N/A
PART THREE	Procedures for Manual Data Entry at Retailer Facilities	Destructions	Updated Section	1.35.6	N/A
PART THREE	Procedures for Manual Data Entry at Retailer Facilities	Inventory Transfers	Updated Section to include all procedures related to inventory transfers	1.35.6	N/A
PART ONE: Production Facility Workflows	Production Facility Workflow Steps and Related API Calls	Table	Removed this section as this information has been merged with the remaining sections of this document	1.35.6	N/A
PART ONE	Production Facility Workflow Steps Related to UI Workflows	Administrative Setup: Inventory Types	The "description" field has been deprecated for "inventory type" creation in the UI.	1.35.6	LWNF-187

PART	SECTION	SUBSECTION	CHANGE DETAIL	FIX VERSION	JIRA TICKET
PART ONE	Production Facility Workflow Steps Related to UI Workflows	Understanding Batches	Added "mature plants" to the types of propagation material listed	1.35.6	LW-221
PART ONE	Production Facility Workflow Steps Related to UI Workflows	Inventory Transfers	Clarification regarding file type allowable for upload of manifest to inventory transfer record (pdf)	1.35.6	LWNF-191
PART ONE	Production Facility Workflow Steps Related to UI Workflows	Conversions	"uom" for conversions output is derived from output inventory type (and not completed by user)	1.35.6	LWNF-209
PART ONE	Production Facility Workflow Steps Related to UI Workflows	Harvest Process	Instruction to enter waste weight during harvest process removed	1.35.6	LWNF-184/199
PART TWO: Processing Facility Workflows	Processing Facility Workflow Steps and Related API Calls	Table	Removed this section as this information has been merged with the remaining sections of this document	1.35.6	N/A
PART TWO	Processing Facility Workflow Steps Related to UI Workflows	Administrative Setup: Inventory Types	The "description" field has been deprecated for "inventory type" creation in the UI.	1.35.6	LWNF-187
PART TWO	Processing Facility Workflow Steps Related to UI Workflows	Understanding Batches	Added "mature plants" to the types of propagation material listed	1.35.6	LW-221
PART TWO	Processing Facility Workflow Steps Related to UI Workflows	Inventory Transfers	Clarification regarding file type allowable for upload of manifest to inventory transfer record (pdf)	1.35.6	LWNF-191

PART	SECTION	SUBSECTION	CHANGE DETAIL	FIX VERSION	JIRA TICKET
PART TWO	Processing Facility Workflow Steps Related to UI Workflows	Conversions	"uom" for conversions output is derived from output inventory type (and not completed by user)	1.35.6	LWNF-209
PART THREE: Retailer Facility Workflows	Retailer Facility Workflow Steps and Related API Calls	Table	Removed this section as this information has been merged with the remaining sections of this document	1.35.6	N/A
PART THREE	Retailer Facility Workflow Steps Related to UI Workflows	Administrative Setup: Inventory Types	The "description" field has been deprecated for "inventory type" creation in the UI.	1.35.6	LWNF-187
PART THREE	Retailer Facility Workflow Steps Related to UI Workflows	Understanding Batches	Added "mature plants" to the types of propagation material listed	1.35.6	LW-221
PART THREE	Retailer Facility Workflow Steps Related to UI Workflows	Inventory Transfers	Clarification regarding file type allowable for upload of manifest to inventory transfer record (pdf)	1.35.6	LWNF-191
PART FOUR: API Endpoints and Workflow Functions	Batches	Description	Clarification added for batch types: "intermediate/end product" (UI/FE term) is equal to "extraction" (API/BE term)	1.35.6	LWNF-163
PART FOUR	Batches	Parameters: 'harvest_stage'	This is not a required field	1.35.6	LWNF-163
PART FOUR	Batches	Parameters: 'qty_packaged_by_product', 'qty_packaged_flower'	Description fields updated to clarify where this total is derived from ("finish batch" workflow function)	1.35.6	LWNF-163
PART FOUR	Batches	Parameters: 'packaged_completed_at'	Field is required when batch 'type'='intermediate/ end product'	1.35.6	LWNF-178
PART FOUR	Batches	Filters: 'status'	Note added: filtering by 'status' does not work for batches of "type"="extraction"	1.35.6	LWNF-163

PART	SECTION	SUBSECTION	CHANGE DETAIL	FIX VERSION	JIRA TICKET
PART FOUR	Batches	Update Batches	Added 'global_mother_plant_id' to example response	1.35.6	LWNF-183
PART FOUR	Disposals	Parameters: 'global_inventory_id'	Description field updated to clarify that 'global_inventory_id' represents source inventory, not resultant inventory	1.35.6	LWNF-164
PART FOUR	Disposals	Parameters: 'hold_starts_at', 'hold_ends_at'	Description field updated to clarify that these values are returned upon creation of a disposal record, but are modifiable with the update function	1.35.6	LWNF-164
PART FOUR	Disposals	Parameters: 'hold_starts_at', 'hold_ends_at'	Corrected 'datetime' value format	1.35.6	LWNF-164
PART FOUR	Disposals	Parameters: 'qty'	Changed data type expected to decimal(10,4) to reflect current behavior	1.35.6	LWNF-186
PART FOUR	Disposals	Update Disposals	Added missing 'global_id' to example request	1.35.6	LWNF-182
PART FOUR	Inventories	Parameters: 'batch_type'	Deprecated 'batch_type' field, and amended example responses in section to show as "null"	1.35.6	LWNF-165
PART FOUR	Inventories	Create: Example Response	Deprecated fields are no longer visible in example response for create call	1.35.6	LWNF-222
PART FOUR	Inventory Transfers	Parameters: 'global_transporting_mme_id', 'transporting_mme_id'	Changed 'global_transporting_mme_id' to 'transporting_mme_id' as this is the name of the field required if 'manifest_type'='transporter'	1.35.6	LWNF-198
PART FOUR	Inventory Transfers	Parameters: 'transporter_name_1'	Description field updated to denote that this parameter is only required when 'manifest_type' = 'delivery'	1.35.6	LWNF-166

PART	SECTION	SUBSECTION	CHANGE DETAIL	FIX VERSION	JIRA TICKET
PART FOUR	Inventory Transfers	Parameters: 'sample_type' (inventory item), 'product_sample_type' (inventory item)	Removed requirement of these fields since system does not currently require them, however, noted that user <i>should</i> include these values if inventory item being transferred is denoted as a sample	1.35.6	LWNF-196
PART FOUR	Inventory Transfers	Parameters: 'vehicle_description'	Removed requirement of this field	1.35.6	LWNF-197
PART FOUR	Inventory Transfers	GET Inventory Transfers	Clarification (and extra example GET added) to distinguish between unfiltered inventory transfers GET (with no inventory items shown) and inventory transfers GET filtered by global id (with inventory item details)	1.35.6	LWNF-150
PART FOUR	Lab Results	Parameters: 'cannabinoid_status', 'metal_status', 'microbial_status', 'mycotoxin_status', 'pesticide_status', 'solvent_status'	Clarification added to description regarding conditional requirement of parameter(s) dependent upon the 'type' and 'intermediate_type' of the product being tested	1.35.6	LWNF-177
PART FOUR	Lab Results	Parameters: 'intermediate_type'	Valid Entries section updated to reflect accurate 'intermediate_type' options based on 'type' selected for inventory item	1.35.6	LWNF-177
PART FOUR	Lab Results	Parameters: 'pesticide_piperonyl_butoxide_b_ppm'	Corrected parameter (type-o); was 'pesticide_piperonyl_butoxideb_ppm'	1.35.6	LWNF-177
PART FOUR	Lab Results	Parameters: 'solvent_heptane_ppm'	Deprecated 'solvent_heptanes_ppm' and reinstated 'solvent_heptane_ppm'	1.35.6	LWNF-177
PART FOUR	Plants	Create and Update	Added missing (deprecated) values that should appear in examples responses	1.35.6	LWNF-185

PART	SECTION	SUBSECTION	CHANGE DETAIL	FIX VERSION	JIRA TICKET
PART FOUR	Plants	Update	Parameters 'global_id' and 'plant_created_at' added to update request example as they are required fields for this action	1.35.6	LWNF-190
PART FOUR	Sales	Get	Removed deprecated values from example response: 'description', 'type', 'discount_total', 'tax_total', 'potency', 'unit_cog'	1.35.6	LWNF-211
PART FOUR	Sales	Filters	For filter by data range, use "/" instead of "%2F"	1.35.6(a)	LWNF-232
PART FOUR	Sales	Filters	Change filter by 'type' to 'sale_type'	1.35.6(a)	LWNF-236
PART FOUR	Conversions	Parameters: 'started_at', 'finished_at'	Parameter changed from "required" to "optional"	1.35.6	LWNF-171
PART FOUR	Conversions	Parameters: 'global_created_by_mme_id'	Parameter has been marked as deprecated	1.35.6	LWNF-171
PART FOUR	Conversions	Parameters: 'product_not_altered'	Parameter changed from "required" to "optional"	1.35.6	LWNF-171
PART FOUR	Conversions	Create: Example Response	'qty_harvest', 'qty_accumulated_waste', 'qty_packaged_flower', 'qty_packaged_byproduct', 'flower_dry_weight', 'other_dry_weight', 'flower_wet_weight', 'other_wet_weight' all adjusted from decimal(10,2) to decimal (10,4)	1.35.6	LWNF-210

PART	SECTION	SUBSECTION	CHANGE DETAIL	FIX VERSION	JIRA TICKET
PART FOUR	Harvest Batch	Create: Example Response	'qty_accumulated_waste', 'qty_packaged_flower', 'qty_packaged_byproduct', 'qty_cure', 'flower_dry_weight', 'other_dry_weight', 'waste', 'flower_wet_weight', 'other_wet_weight' all adjusted from decimal(10,2) to decimal (10,4)	1.35.6	LWNF-188
PART FOUR	Finish Batch	Create: Response	returns array rather than only the final object created	1.35.6	LWNF-57
PART FOUR	Finish Batch	Create: Response	only returns final object created (array will be returned in a future release)	1.35.6(a)	LWNF-235
PART FOUR	Finish Batch	Parameters: 'global_created_by_mme_id'	Parameter has been deprecated	1.35.6	LWNF-172
PART FOUR	Inventory Transfer in Transit	Create: Response	no longer returns the inventory type details for each inventory item	1.35.6	LWNF-213
PART FOUR	Inventory Transfer in Transit	Create: Response	returns the inventory type details for each inventory item (this was removed in error)	1.35.6(a)	LWNF-233
PART FOUR	Inventory Transfer Void	Create: Response	no longer returns the inventory type details for each inventory item	1.35.6	LWNF-214
PART FOUR	MME Find	Get: Response	response updated to reflect correct parameters	1.35.6	LWNF-212
PART FOUR	Plants by Area	Description	'cultivation' changed to 'cultivator' (BE term for 'Producer'); 'cultivation_production' changed to 'cultivator_production' (BE term for 'Producer/Processor')	1.35.6	LWNF-174
PART FOUR	Receive Transfer	Parameters: 'global_received_inventory_id'	'global_received_inventory_id' has been marked as required	1.35.6	LWNF-175
PART FOUR	Receive Transfer	Parameters: 'global_received_strain_id'	'global_received_strain_id' has been marked as optional	1.35.6	LWNF-175

PART	SECTION	SUBSECTION	CHANGE DETAIL	FIX VERSION	JIRA TICKET
PART FOUR	Receive Transfer	Parameters: 'global_received_inventory_type_id'	'global_received_inventory_id' has been marked as required	1.35.6	LWNF-175
PART FOUR	Receive Transfer	Create: Response	no longer returns the inventory type details for each inventory item	1.35.6	LWNF-215
PART FOUR	Receive Transfer	Create: Response	returns the inventory type details for each inventory item (this was removed in error)	1.35.6(a)	LWNF-234
Summary of Changes					
PART ONE: Production Facility Workflows	Production Facility Workflow Steps and Related API Calls	Inventory Types	Updated instructions to include examples of inventory types relative to each facility, along with explanation of new/undeprecated parameters: 'weight_per_unit_in_grams', 'serving_num', and 'serving_size'	1.37.5	LWNF-318
PART ONE	Production Facility Workflow Steps and Related API Calls	Living Plant Processes	Remove 'Plant Disposal' instructions and add 'Daily Plant Waste' workflow instructions	1.37.5	LWNF-256
PART ONE	Production Facility Workflow Steps and Related API Calls	Harvest Process	Updated procedures for 'Harvest Batch' function to align with new fields/field names	1.37.5	LWNF-257
PART ONE	Production Facility Workflow Steps and Related API Calls	Harvest Process	Updated procedures for 'Cure Batch' function to align with new fields/field names	1.37.5	LWNF-257
PART ONE	Production Facility Workflow Steps and Related API Calls	Harvest Process	Updated procedures for 'Finish Batch' function to align with new fields/field names	1.37.5	LWNF-257

PART	SECTION	SUBSECTION	CHANGE DETAIL	FIX VERSION	JIRA TICKET
PART ONE	Production Facility Workflow Steps and Related API Calls	Destructions	Updated UI procedures to include 'External ID' field, and removed the 'Actual Date of Destruction' field which has been deprecated from the UI	1.37.5	LWNF-277, LWNF-278
PART ONE	Production Facility Workflow Steps and Related API Calls	Inventory Conversions	Updated procedures to reflect correct instructions for using "type-ahead" search fields for input 'Lot(s)', 'Inventory Type', 'Area'	1.37.5	LWNF-87
PART ONE	Production Facility Workflow Steps and Related API Calls	Inventory Conversions	New field added for user to designate whether the output of a conversion function is seeking medical compliance	1.37.5	LWNF-201
PART ONE	Production Facility Workflow Steps and Related API Calls	Inventory Transfers	In the UI, a receiving facility may no longer mark an inventory transfer (manifest type=pick-up) as "in-transit"; no change to API functionality	1.37.5	LWNF-310
PART TWO: Processing Facility Workflows	Processing Facility Workflow Steps and Related API Calls	Inventory Types	Updated instructions to include examples of inventory types relative to each facility, along with explanation of new/undeprecated parameters: 'weight_per_unit_in_grams', 'serving_num', and 'serving_size'	1.37.5	LWNF-318
PART TWO	Processing Facility Workflow Steps and Related API Calls	Destructions	Updated UI procedures to include 'External ID' field, and removed the 'Actual Date of Destruction' field which has been deprecated from the UI	1.37.5	LWNF-277, LWNF-278
PART TWO	Processing Facility Workflow Steps and Related API Calls	Inventory Conversions	Updated procedures to reflect correct instructions for using "type-ahead" search fields for input 'Lot(s)', 'Inventory Type', 'Area'	1.37.5	LWNF-87

PART	SECTION	SUBSECTION	CHANGE DETAIL	FIX VERSION	JIRA TICKET
PART TWO	Processing Facility Workflow Steps and Related API Calls	Inventory Conversions	New field added for user to designate whether the output of a conversion function is seeking medical compliance	1.37.5	LWNF-201
PART TWO	Processing Facility Workflow Steps and Related API Calls	Inventory Transfers	In the UI, a receiving facility may no longer mark an inventory transfer (manifest type=pick-up) as "in-transit"; no change to API functionality	1.37.5	LWNF-310
PART THREE: Retailer Facility Workflows	Retailer Facility Workflow Steps and Related API Calls	Inventory Types	Updated instructions to include examples of inventory types relative to each facility, along with explanation of new/undeprecated parameters: 'weight_per_unit_in_grams', 'serving_num', and 'serving_size'	1.37.5	LWNF-318
PART THREE	Retailer Facility Workflow Steps and Related API Calls	Destructions	Updated UI procedures to include 'External ID' field, and removed the 'Actual Date of Destruction' field which has been deprecated from the UI	1.37.5	LWNF-277, LWNF-278
PART THREE	Retailer Facility Workflow Steps and Related API Calls	Inventory Transfers	In the UI, a receiving facility may no longer mark an inventory transfer (manifest type=pick-up) as "in-transit"; no change to API functionality	1.37.5	LWNF-310
PART THREE	Retailer Facility Workflow Steps and Related API Calls	Sales	For UI instructions, "Sold Date" field was added to procedures	1.37.5	LWNF-289
PART FOUR: API Endpoints and Workflow Functions	All Endpoints (excluding Lab Results)	Parameters	Numeric standardization of decimal values across all fields with this data type to decimal(14,2)	1.37.5	LWNF-262

PART	SECTION	SUBSECTION	CHANGE DETAIL	FIX VERSION	JIRA TICKET
PART FOUR	Batches	Description	For batch 'type', 'extraction' is now 'intermediate/ end product'; updated two instances in "Batches" description	1.37.5	LWNF-260
PART FOUR	Batches	Parameters: 'global_strain_id', 'packaged_completed_at', 'type'	For batch 'type', 'extraction' is now 'intermediate/ end product'	1.37.5	LWNF-260
PART FOUR	Batches	Filters	For batch 'type', 'extraction' is now 'intermediate/ end product'; updated 'status' filter to reflect change	1.37.5	LWNF-260
PART FOUR	Batches	Parameters: 'other_waste', 'flower_waste', 'global_flower_area_id', 'global_other_area_id'	new parameters added to parameter table	1.37.5	LWNF-91
PART FOUR	Batches	Parameters: 'num_plants'	corrected data type (documentation error)	1.37.5	LWNF-273
PART FOUR	Batches	Parameters: 'num_plants'	field is required when batch "type" = "propagation material", "plant", "harvest"	1.37.5	LWNF-315
PART FOUR	Batches	Parameters: 'origin'	field is required when batch "type"= "propagation material" or "plant"	1.37.5	LWNF-268
PART FOUR	Batches	Parameters: 'waste'	field is no longer able to be modified	1.37.5	LWNF-312
PART FOUR	Batches	Update Example Request	updated values to reflect modifiable fields for plant batches; description updated to show that batches of type "harvest" should never be updated through the batches endpoint	1.37.5	LWNF-274
PART FOUR	Disposals	Description	updated to remove 'source'='plant' and add 'source'='daily_plant_waste'	1.37.5	LWNF-256
PART FOUR	Disposals	Parameters: 'reason'	clarified acceptable reason enum values based on 'source' selected; new reason 'daily_plant_waste' added	1.37.5	LWNF-256

PART	SECTION	SUBSECTION	CHANGE DETAIL	FIX VERSION	JIRA TICKET
PART FOUR	Disposals	Parameters: 'source'	removed 'plant' enum value added 'daily_plant_waste' enum value	1.37.5	LWNF-256
PART FOUR	Disposals	Parameters: 'hold_starts_at', 'hold_ends_at'	datetime format updated to "mm/dd/yyyy hh:mmXM"	1.37.5	LWNF-279
PART FOUR	Disposals	Parameters: 'disposal_at'	datetime format updated to "mm/dd/yyyy hh:mmXM"	1.37.5	LWNF-279
PART FOUR	Inventory Types	Description	Updated instructions to include examples of inventory types relative to each facility, along with explanation of new/undeprecated parameters: 'weight_per_unit_in_grams', 'serving_num', and 'serving_size'	1.37.5	LWNF-318
PART FOUR	Inventory Types	Parameters: 'weight_per_unit_in_grams', 'serving_num', and 'serving_size'	'weight_per_unit_in_grams', 'serving_num', and 'serving_size' have been added for end products	1.37.5	LWNF-318
PART FOUR	Inventory Types	GET, POST examples	Updated example requests and responses to include new parameters	1.37.5	LWNF-318
PART FOUR	Inventories	Description	For batch 'type', 'extraction' is now 'intermediate/ end product'; updated one instance in 'Inventories' description	1.37.5	LWNF-260
PART FOUR	Inventories	Filters	Added filter for 'created_at' date range	1.37.5	LWNF-270
PART FOUR	Inventories	Listing example response	Updated GET example response to show lab results attributes	1.37.5	LWNF-272
PART FOUR	Inventories	Create example response	Corrected Create example response to fix errors (duplicate values) from previous version	1.37.5	LWNF-275
PART FOUR	Inventories	Update example response	Corrected Update example response to fix errors (duplicate values) from previous version	1.37.5	LWNF-282

PART	SECTION	SUBSECTION	CHANGE DETAIL	FIX VERSION	JIRA TICKET
PART FOUR	Inventory Transfers	Parameters: 'global_transporting_mme_id'	'transporting_mme_id' changed to 'global_transporting_mme_id'; if parameter is missing, error returned states the former, while the latter is correct	1.37.5	LWNF-198
PART FOUR	Lab Results	Parameters: 'batch_type'	For 'batch_type', 'extraction' is now 'intermediate/ end product'	1.37.5	LWNF-260
PART FOUR	Lab Results	Create/Update/Delete	Ability for licensees to create/update/delete lab results has been removed; all lab results must be created and modified by QA labs only	1.37.5	LWNF-304
PART FOUR	Lab Results	Parameters: 'high_thc', 'high_cbd', 'general_use'	Values are determined to be true/false based on lab result values	1.37.5	LWNF-304
PART FOUR	Lab Results	Parameters: 'cannabinoid_editor_mme_id', 'metal_editor_mme_id', 'mycotoxin_editor_mme_id', 'microbial_editor_mme_id', 'solvent_editor_mme_id', 'pesticide_editor_mme_id'	Additional parameters added to capture which lab is making changes when a lab outsources testing to a second lab	1.37.5	LWNF-304
PART FOUR	Lab Results	Parameters:			
PART FOUR	Sales	Parameters: 'batch_type'	For 'batch_type', 'extraction' is now 'intermediate/ end product'	1.37.5	LWNF-260
PART FOUR	Sales	Parameters: 'status'	Changed from optional to required	1.37.5	LWNF-264
PART FOUR	Sales	Update Sales	Added section for updates as 'unit_price' of a sale can now be updated	1.37.5	LWNF-265
PART FOUR	Strains	Description	For batch 'type', 'extraction' is now 'intermediate/ end product'; updated one instance in 'Inventories' description	1.37.5	LWNF-260

PART	SECTION	SUBSECTION	CHANGE DETAIL	FIX VERSION	JIRA TICKET
PART FOUR	Conversions	POST Example Response	For batch 'type', 'extraction' is now 'intermediate/ end product'; updated one instance in 'Inventories' description	1.37.5	LWNF-260
PART FOUR	Conversions	POST Example Response	Updated to include inventory type returned	1.37.5	LWNF-281
PART FOUR	Conversions	Parameters: 'medically_compliant'	This value has been un-deprecated to capture users intention to seek medical compliant testing for the output lot from the conversion	1.37.5	LWNF-201
PART FOUR	Dispose Item	Parameters: 'disposal_at'	Added 'disposal_at' to request example, and changed format in example to datetime instead of just date	1.37.5	LWNF-288
PART FOUR	Harvest Batch	Parameters: 'global_strain_id', 'packaged_completed_at', 'type'	For 'batch_type', 'extraction' is now 'intermediate/ end product'; updated each parameter listed to reflect this change	1.37.5	LWNF-260
PART FOUR	Harvest Batch	Parameters: 'external_id'	This parameter has been deprecated and will be removed in an upcoming release	1.37.5	LWNF-173
PART FOUR	Harvest Batch	Parameters: 'global_area_id' deprecated and replaced with 'global_flower_area_id' and 'global_other_area_id'	Areas for harvest materials will now be split between flower and other material, rather than a single area for the harvest batch; example request and response also updated	1.37.5	LWNF-287
PART FOUR	Cure Batch	New Workflow Function	Section added	1.37.5	LWNF-91
PART FOUR	Finish Batch	Parameters: 'global_area_id'	Field is now required for each inventory lot being created	1.37.5	LWNF-91
PART FOUR	Finish Batch	Example Request and Example Response	Updated to reflect function now returning an array, and 'global_area_id' now required upon inventory lot creation	1.37.5	LWNF-91

PART	SECTION	SUBSECTION	CHANGE DETAIL	FIX VERSION	JIRA TICKET
PART FOUR	MME Find	GET example response	Updated response; previous version missing values	1.37.5	LWNF-271
PART FOUR	Move Inventory to Plants	Parameters: 'global_batch_id'	This field is now optional; Enter the plant batch global ID where the plants should be added, or leave blank to create a new plant batch	1.37.5	LWNF-263
PART FOUR	Move Inventory to Plants	Example Request	Updated to show 'global_batch_id'	1.37.5	LWNF-263
PART FOUR	Move Plants to Inventory	Parameters: 'user_id', 'mme_id', 'created_by_mme_id', 'batch_id', 'inventory_type_id', 'area_id', 'strain_id', 'id'	Additional database values returned, defined in parameters table	1.37.5	LWNF-276
PART FOUR	Move Plants to Inventory	Parameters: 'propagation_source'	'propagation_source' included in response (appended to inventory record) to maintain value as plants are transferred (as inventory)	1.37.5	LWNF-276
PART FOUR	Inventory Transfer Void	Example Response	Removed "inventory_transfer_items" array returned previously	1.37.5	LWNF-301
PART FOUR	Inventory Transfers Receive	Parameters: 'global_received_inventory_id' Example Response	'global_received_inventory_id' is only a returned value and should not be included in the POST	1.37.5	LWNF-386

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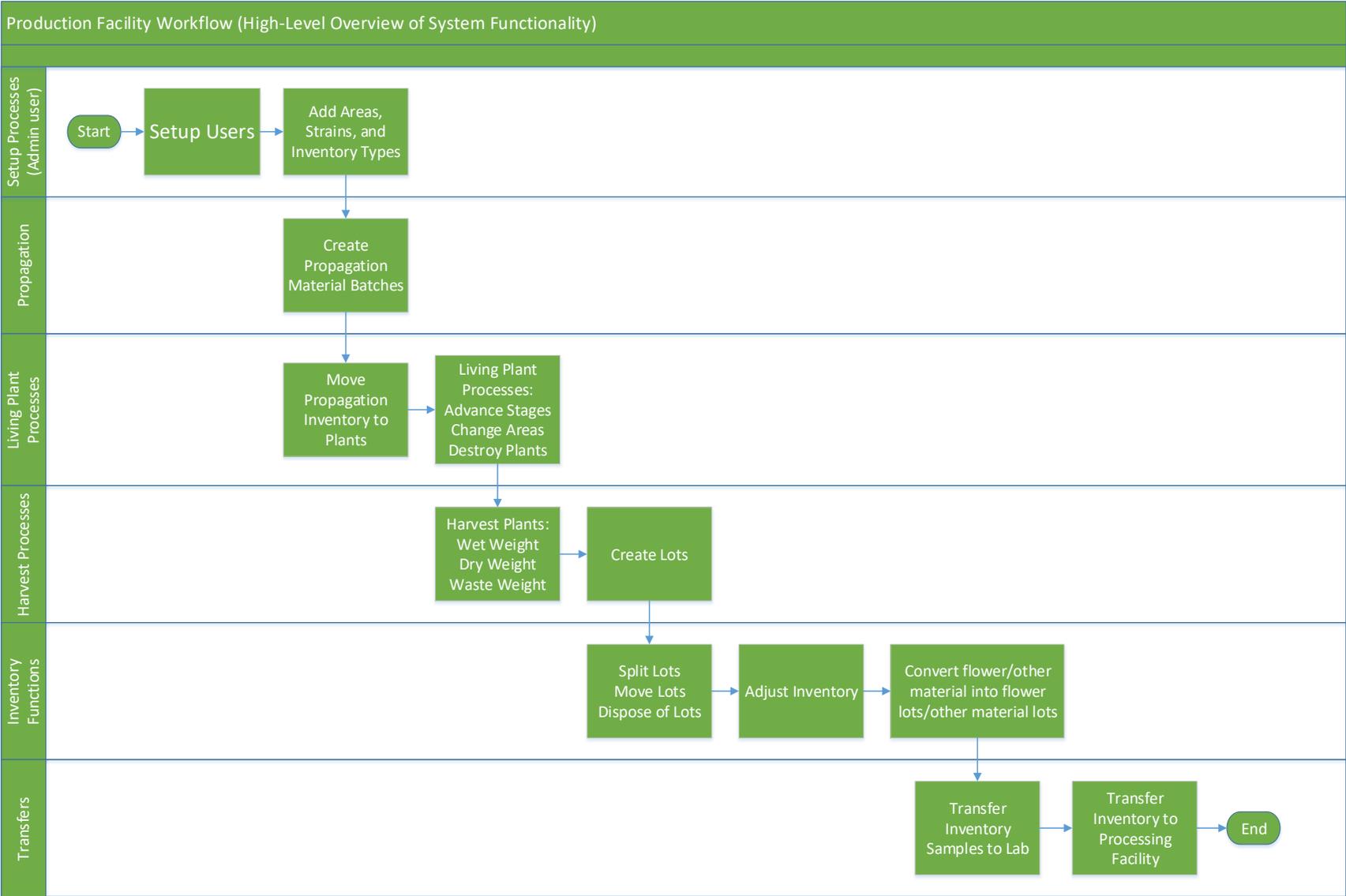
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PART ONE: Production Facility Workflows

Production Facility Workflow Diagram



Production Facility Workflow Steps Related to UI Workflows

Administrative Setup

Create User Profiles (UI ONLY)

To create a new user profile, navigate to 'Users→Add'.

The screenshot shows the 'Users Add' form in the LEAF Washington application. The form is titled 'Users Add' and includes the following elements:

- MJA ADMIN:** A checkbox that is currently unchecked.
- USE MFA:** A checkbox that is currently unchecked.
- FIRST NAME:** A text input field.
- LAST NAME:** A text input field.
- EMAIL:** A text input field.
- LOCALE:** A dropdown menu currently set to 'English'.
- EXTERNAL ID:** A text input field.
- Table:** A table with columns: DELETE, LICENSE ID, +ADD, AUTH LEVEL, and CARD REG. NUMBER. The AUTH LEVEL dropdown is currently set to 'disabled'.
- save:** A blue button at the bottom left of the form.

1. **Use MFA:** *Do not check this box because SAW is being used to authenticate into Leaf Data Systems.* This feature has been deprecated and will be removed in a later release.
2. **First Name:** Type the first name of the user.
3. **Last Name:** Type the last name of the user.

4. **Email:** Enter the email address of the user.
5. **Locale:** Select the primary language of the user.
6. **External ID:** (optional field) Provides the ability to enter a secondary reference name/number for this record.
7. **Licensee ID:** From the drop-down menu, select the licensee(s) that the user should have access to.
8. **Delete:** Click the 'X' to delete a licensee row that has been added.
9. **Add:** Click the '+ADD' link to add more rows of licensees.
10. **Auth Level:** For each licensee that the user is assigned to, select an 'Authorization Level' from the drop-down menu.
 - a. 'View' allows a user to see information present in Leaf Data without the ability to perform data functions.
 - b. 'Edit' allows a user to view information in Leaf Data, as well as perform functions pertaining to day-to-day operations of the facility. The administrative setup functions described in this procedure are NOT able to be performed by a user with an 'edit' authorization level.
 - c. 'Admin' allows a user access to all information and all functionality within Leaf Data that may be viewed or performed by the associated Licensee ID.
 - d. 'Disabled' maintains a users profile in Leaf Data Systems while prohibiting the user from accessing the database.
11. **Card Reg. Number:** this field has been deprecated and will be removed in an upcoming release.
12. **Save:** Click the 'save' button to create the new user.

Viewing and Modifying Users

API:

Use the "/users" GET to retrieve data regarding users that have already been created

Users may only be created and modified via the UI

UI:

To view users that have been created within Leaf Data Systems, navigate to 'Users→View'. Use the filters and column headers to sort the data to find a specific record. To modify the record, click the 'pen' icon in the 'Modify' column of the line item you wish to modify. Update the information that has changed, and click the 'Save' button to update the record.

Users Export ▾

LICENSEE ID LICENSEE NAME GLOBAL ID CARD REG. NUMBER USER NAME EMAIL

GLOBAL ID	EXTERNAL ID	LICENSEE ID	LICENSEE NAME	CARD REG. NUMBER	MODIFY	DELETE	PASSWORD RESET	RESET MFA	NAME	EMAIL	AUTH LEVEL
WASTATE1.US4	5287	STATE1	State						Karen Kaussner	karen@mjfreeway.com	admin
		G029843	PM Grow					admin			
		R123123	QA Retailer					admin			
		G12341	QA Grow					admin			
		LL-123123	QA LAB					admin			
M3452345	QA Processor					admin					
E928344	PM Coop					admin					
WASTATE1.US5		STATE1	State						Valerie Burns	valerie@mjfreeway.com	admin
		G12341	QA Grow					admin			
		LL-123123	QA LAB					admin			
		M3452345	QA Processor					admin			
		G12345	QA KS Producer					admin			
		L050505	Training Lab					admin			
		M020202	Training Processor					admin			
R030303	Training Retailer					admin					
G010101	Training Producer					admin					
		STATE1	State								admin
		G082365	DCGrower					admin			
		R288123	DCDispensary					admin			
		L075841	DCI Shop							admin	

« 1 2 »

Create Areas

API:

- **To retrieve a list of created areas, use the "/areas" GET call**
- **To add areas, use the "/areas" POST call**
- **To modify areas, use the "/areas/update" POST call**
- **To delete areas, use the "/areas" DELETE call**

UI:

1. Navigate to 'Data Entry→Areas'.
2. To create a new area, click the 'add' button in the upper-right corner of the screen.
3. Enter a name for the area, then select the corresponding area type.
4. Click the 'save' button to create the area.
5. Repeat steps 2-4 until all physical locations where plants and product may exist are represented within Leaf Data.

Create Strains

API:

- *To retrieve a list of created strains, use the "/strains" GET call*
- *To add strains, use the "/strains" POST call*
- *To modify strains, use the "/strains/update" POST call*
- *To delete strains, use the "/strains" DELETE call*

UI:

1. Navigate to 'Data Entry→Strains'.
2. To create a new strain, click the 'add' button in the upper-right corner of the screen.
3. Enter the strain name in the name field, then click the 'save' button to create the strain.
4. Repeat steps 3-4 until all strains that will be present at the facility are represented within Leaf Data.

Create Inventory Types

API:

- *To retrieve a list of created inventory_types, use the "/inventory_types" GET call*
- *To add inventory_types, use the "/inventory_types" POST call*
- *To modify inventory_types, use the "/inventory_types/update" POST call*
- *To delete inventory_types, use the "/inventory_types" DELETE call*

UI:

1. Navigate to 'Data Entry→Inventory Types'.
2. Click the 'add' button in the upper-right corner of the screen.
3. In the 'Name' field, enter a name for the new inventory type, for example, the strain name followed by descriptive wording, such as 'flower' or 'other material'.
4. Select the 'category' and 'sub-category' that represent the inventory type being created.
5. Select the unit of measure that corresponds to the inventory type being created: if the product is measured by its weight, select grams (gm) and if the product is measured by a piece count, select each (ea).
6. If applicable, complete the 'net weight (gm)' OR 'servings per unit' and 'serving size' fields (for end products only).
7. Once the form is complete, click the 'save' button to create the inventory type.

Inventory Type Examples for Producers

Immature Plants (Producers Only)

Since immature plants are created through the workflow process of creating a "propagation material"-type batch, it is not necessary to create inventory types for this category. However, the "Edit" screen for an "immature plant" inventory type shown on the right demonstrates the appropriate attributes for this category.

- The "name" will be automatically created
- The "uom" will always be "ea"
- The "sub-category" will be based upon the "propagation source" selected upon creation of the batch

The screenshot shows the 'Inventory Types Edit' interface in the LEAF DATA SYSTEMS Washington application. The form is titled 'Inventory Types Edit' and contains the following fields:

- EXTERNAL ID:** An empty text input field.
- NAME*:** A text input field containing 'Charlotte's Web propaga'.
- UOM:** A dropdown menu set to 'ea'.
- CATEGORY:** A dropdown menu set to 'Immature Plant'.
- SUB-CATEGORY:** A dropdown menu set to 'Seeds'.
- WEIGHT PER UNIT (GM):** A text input field with a green horizontal line above it.
- save:** A blue button at the bottom left.

Mature Plants (Producers Only)

Mature plant inventory is also created automatically through two separate workflows.

First, when mature plants are "packaged" into inventory (for transfer to another facility), and also when "packaged" mature plants are received into inventory at a facility. The following "Edit" screen shows the attributes appropriate for a "mature plant" inventory type record.

- The "name" will be automatically created
- The "uom" will always be "ea"

The screenshot shows the 'Inventory Types Edit' interface in the LEAF DATA SYSTEMS Washington application. The form is titled 'Inventory Types Edit' and contains the following fields:

- EXTERNAL ID:** An empty text input field.
- NAME*:** A text input field containing 'Charlotte's Web mature_'.
- UOM:** A dropdown menu set to 'ea'.
- CATEGORY:** A dropdown menu set to 'Mature Plant'.
- SUB-CATEGORY:** A dropdown menu set to 'Mature Plant'.
- WEIGHT PER UNIT (GM):** A text input field with a green horizontal line above it.
- save:** A blue button at the bottom left.

Harvest Materials (Producers and Processors)

Harvest Materials include flower, flower lots, other material, and other material lots that are created through the harvest process at Production facilities. Producers must manually create inventory types for the harvest materials they intend to produce (for each individual strain they grow), whereas Processors will have these automatically created in the system upon receipt of this inventory from Producers.

- The "name" should include the strain and sub-category
- The "uom" will always be "gm"
- The available "sub-category" selections are shown

The screenshot shows the 'Inventory Types Add' form in the LEAF DATA SYSTEMS Washington interface. The form has the following fields and values:

- EXTERNAL ID:** (Empty text input)
- NAME*:** ACDC Flower Lots
- UOM:** gm
- CATEGORY:** Harvest Materie
- SUB-CATEGORY:** Flower Lots (selected from a dropdown menu that also lists Flower, Other Material, and Other Material Lots)
- WEIGHT PER UNIT (GM):** (Empty text input)
- save:** (Blue button)

Waste (All Licensees)

The Waste inventory type is automatically created upon addition of a destruction record. The inventory type is related to the physical waste inventory lot produced in the destruction workflow.

- The "name" is simply "waste"
- The "uom" will always be "gm"

The screenshot shows the 'Inventory Types Edit' form in the LEAF DATA SYSTEMS Washington interface. The form has the following fields and values:

- EXTERNAL ID:** (Empty text input)
- NAME*:** waste
- UOM:** gm
- CATEGORY:** Waste
- SUB-CATEGORY:** Waste
- WEIGHT PER UNIT (GM):** (Empty text input)
- save:** (Blue button)

Understanding Batches

The purpose of using batches to group together plant and inventory records is two-fold. Batches assist with creating the traceability that the system is designed to offer. As well, batches allow producers to manage plants in any phase in groups, which enables mass actions to be applied to numerous records simultaneously. Batches are not intended to constrain activities involving plant movement, as plants can be shifted from one batch to another and do not have exclusive relationships with batches they are added to.

Batch types include propagation material, plant, harvest, and intermediate/end product.

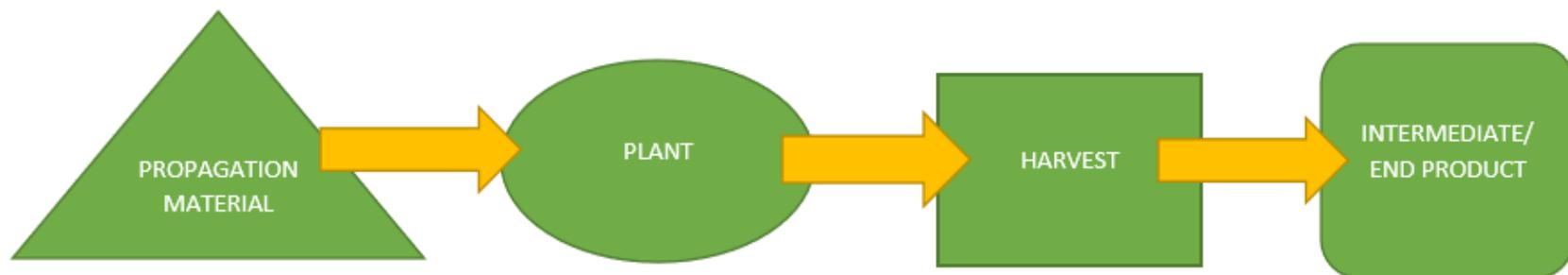
'Propagation Material' batches are used to create inventory lots of seeds, clones, mature plants and plant tissue so that these plants can be tracked as inventory throughout their propagation phase. As plants shift from their propagation to vegetative phase, they are moved to plants at which point the plant records are associated with a 'plant' type batch.

'Plant' batches are a group of plants from the same strain, that are growing together within their vegetative and flowering phases. Attributes of all of the plants within a batch can be modified at the batch level, which will apply changes across all of the plant records.

'Harvest' batches represent a group of harvested material that is all the same strain. These types of batches are used to denote both 'wet' and 'dry' weight of 'flower' and 'other material' produced during the harvest. Resultant dry weight from a harvest batch is separated into 'inventory lots'.

'Intermediate/end product' batches are batches that consist of multiple harvest batches being combined, for example, combining two different strains to make a blended concentrate product. They can also be comprised of a single harvest batch that has been converted into an intermediate or end product.

Visualization of the Batch Life Cycle



Adding Propagation Material Inventory

API:

- *To add propagation material, use the `"/batches"` POST call, where the batch `"type"="propagation material"`*
- *A resultant inventory lot will be created that represents the propagation material inventory created*

UI:

1. Navigate to 'Data Entry→Batches' to create a batch that will represent the propagation material being created.
2. Click the 'add' button in the upper-right corner of the screen.
3. From the 'Type' drop-down menu, select 'propagation material'.
4. In the 'Area' field, begin typing the name of the area where the propagation material will be located, and then select it from the list that appears.
5. From the 'Strain' drop-down menu, select the strain of the plants being created. *NOTE: This process must be repeated for each strain of plants being created, as batches are strain-specific.*
6. From the 'Propagation Source' drop-down menu, select the appropriate propagation source for the plant batch being added.
7. The 'Mother Plant ID' field is an optional field designed to relate the propagation material to the "mother plant" that it came from.
8. In the 'Quantity' field, type the number of immature plants being created with this batch.
9. Click the 'save' button to create the new batch.

Moving Propagation Inventory to Plants

API:

- *To move propagation inventory to plants, use the `"/move_inventory_to_plants"` function*
- *A result will be a batch where `"type"="plant"` (a child batch of the propagation material batch)*
- *Another result will be individual plant records for each plant moved*

UI:

1. Navigate to 'Data Entry→Lots'.
2. Locate the inventory lot that represents the immature plants that are being advanced from propagation to their vegetative phase.
3. In the 'Move to Plants' column, click the tree icon on the line item of the propagation inventory to be shifted to plants.
4. In the 'Qty' field, enter the number of immature plants that are being moved to the plant batch.
5. From the 'Batch ID' drop-down menu, select the plant batch to add the plants to, or leave this selection blank for a new plant batch to be created.
6. Click the 'move back to plants' button.

Living Plant Processes

Living plant processes may be performed to either batches of plants. To modify the attributes of an individual plant, shift the plant to a different batch with the desired attributes.

Changing Areas

API:

- *To retrieve a list of created plants, use the `"/plants"` GET call*
- *To add plants, use the `"/plants"` POST call*
- *To modify plants, use the `"/plants/update"` POST call*
- *To delete plants, use the `"/plants"` DELETE call*
- *To retrieve a list of created batches, use the `"/batches"` GET call*
- *To add batches, use the `"/batches"` POST call*
- *To modify batches, use the `"/batches/update"` POST call*
- *To delete batches, use the `"/batches"` DELETE call*

UI:

1. Navigate to 'Data Entry→Batches' to advance the stage of a batch of plants.
2. Locate the batch that must be shifted to a new location, and click the 'Modify' icon within the line item.
3. Update the area using the 'Area' field.
4. Click the 'save' button.

Daily Waste Workflow

The front end term for a "disposal" found in the API is "destruction". For the 'Daily Waste Workflow', a "disposal" is created with "source"="daily_plant_waste" and "reason"="daily_waste".

API:

- *To retrieve a list of created disposals, use the `"/disposals"` GET call*
- *To add disposals, use the `"/disposals"` POST call*
- *To modify disposals, use the `"/disposals/update"` POST call*
- *To delete disposals, use the `"/disposals"` DELETE call*

UI:

1. Navigate to 'Data Entry→Destructions'.
2. Click the 'add' button in the upper-right corner of the screen to create a new destruction record.
3. From the 'Source' drop-down, select 'Daily Plant Waste'.
4. In the 'Area' field, begin typing the area where the waste is being recorded, and then select the correct value from the drop-down list that appears.
5. Enter an 'External ID' value for the destruction record (optional).
6. Select 'Daily Waste' from the 'Reason' drop-down menu.
7. Enter the 'Qty' in grams of the waste collected for destruction.
8. Click the 'save' button.

Plant Destructions

The front end term for a "disposal" found in the API is "destruction". For the 'Plant Destruction' workflow, a "disposal" is created with "source"="plant". A destruction of a plant causes the system to change the stage of that plant to "destroyed".

API:

- *To retrieve a list of created disposals, use the `"/disposals"` GET call*
- *To add disposals, use the `"/disposals"` POST call*
- *To modify disposals, use the `"/disposals/update"` POST call*
- *To delete disposals, use the `"/disposals"` DELETE call*

UI:

9. Navigate to 'Data Entry→Destructions'.
10. Click the 'add' button in the upper-right corner of the screen to create a new destruction record.

11. From the 'Source' drop-down, select 'Plant'.
12. In the 'Area' field, begin typing the area where the waste is being recorded, and then select the correct value from the drop-down list that appears.
13. Enter an 'External ID' value for the destruction record (optional).
14. Select the appropriate reason for the destruction from the 'Reason' drop-down menu.
15. Enter the 'Qty' in grams of the waste collected for destruction.
16. Click the 'save' button.

Harvest Process

Within the 'Harvest Process', a 'Wet Weight' is defined as the total wet weight of the flower and other material at the time of harvest. The 'Cure Weight' is defined as the total dry weight of the flower and other material produced from a batch prior to distribution. The waste weights may be entered during each step of the harvest process as waste is generated.

Wet Weight (Harvest Batch function)

API:

- *To harvest a group of plants, use the `"/plants/harvest_plants"` (harvest batch) workflow function*
- *To retrieve a list of created batches, use the `"/batches"` GET call*
- *'Harvest'-type batches may not be updated through the `"/batches"` endpoint, use the appropriate workflow functions to update the batch to its current weight*
- *To delete batches, use the `"/batches"` DELETE call*

UI:

1. Navigate to 'Data Entry→Batches'.
2. Within the line item of the batch to be harvested, click the 'Harvest' icon in the 'Action' column.
3. From the 'Area' drop-down menu, select the area where the harvest material will be stored.
4. From the 'Harvest Batch' drop-down menu, select 'new' to create a new harvest batch, or select the harvest batch where the plants being harvested should be added.
5. Enter the wet weight of the plants upon harvest into the 'Current Flower Weight (gm)' and 'Current Other Material Weight (gm)' fields.
6. Click the 'Harvested Date Begin' field and select the date/time that the harvest was initiated for this harvest batch.
7. Click the 'Harvested Date End' field and select the date/time that the harvest was completed for this harvest batch.
8. From the active plant records listed, click the checkbox next to each plant being harvested to select it, or click the 'check all' checkbox at the top of this section to select all of the plants listed.
Click the 'save' button.

Dry Weight (Cure Batch function)

API:

- *To enter the current dry weight of a harvest batch, use the `"/batches/cure_lot"` (cure batch) workflow function*
- *To retrieve a list of created batches, use the `"/batches"` GET call*
- *'Harvest'-type batches may not be updated through the `"/batches"` endpoint, use the appropriate workflow functions to update the batch to its current weight; cure batch workflow function may be repeated as many times as necessary to update the current weight*
- *To delete batches, use the `"/batches"` DELETE call*

UI:

1. Navigate to 'Data Entry→Batches'.
2. Within the line item of the batch that the cure weight is being collected for, click the 'Cure' icon in the 'Action' column.
3. Enter the 'New Flower Weight' (current weight upon entry).
4. If there is any waste associated with the flower weight, enter the waste weight (in grams) into the 'Flower Waste' field.
5. If 'Flower Waste' is entered, you must enter a 'Flower Waste Area'. To do so, begin typing the name of the area in this field, then select it from the drop-down list that appears.
6. Enter the 'New Other Material Weight' (current weight upon entry).
7. If there is any waste associated with the other material weight, enter the waste weight (in grams) into the 'Other Material Waste' field.
8. If 'Other Material Waste' is entered, you must enter an 'Other Material Waste Area'. To do so, begin typing the name of the area in this field, then select it from the drop-down list that appears.
9. Click the 'cure lot' button.
10. The process of entering current dry weights as these change throughout the drying/curing processes must be performed at least once but may be repeated as many times as necessary to document the current weights on hand.

Creating Lots (Finish Batch function)

Once wet and dry weights have been entered for a batch, the batch must be "finished" into inventory lots in order to maintain traceability.

API:

- *To finish a harvest batch into inventory lots, use the `"/batches/finish_lot"` (finish batch) workflow function*
- *Finish batch may be performed as many times as necessary until the cure weight has all been finished into inventory*

UI:

1. Once the final dry flower and other material weights have been documented for a batch, navigate to 'Data Entry→Batches' to create inventory lots of bulk flower and other material.
2. Within the line item of the batch being packaged into lots, click the 'Finish' icon in the 'Action' column.
3. From the 'Material Type' drop-down menu, select either 'Flower' or 'Other Material' for the first line item.
4. In the 'Select Type of New Lot' field, begin typing the name of the appropriate inventory type of the inventory being created in this field, then select it from the drop-down list that appears.
5. In the 'Qty' field, enter the weight of the lot being created, in grams.
6. In the 'Area' field, begin typing the name of the area where the inventory will be located, then select it from the drop-down list that appears.
7. If there is any waste generated from this process, enter the waste weight (in grams) into the 'Waste (gm)' field.
8. If waste is entered, you must enter a 'Waste Area'. To do so, begin typing the name of the area in this field, then select it from the drop-down list that appears.
9. To create multiple lots from the same batch, click the '+Add' link next to the 'Select Type of New Lot' heading, and repeat steps 3-9 until all lots are represented.
10. Click the 'finish lots' button to create the inventory lots.
11. The process of creating inventory lots from a harvest batch can be repeated as many times as necessary until all of the respective flower and other material weight from the batch has been "finished" into inventory lots.

Inventory Functions

As product is packaged and prepared for sale, there are multiple functions that may be necessary to be performed. Once lots are created, they can be split into multiple lots, moved from area to area, and disposed of (either partially, or in full).

Splitting Lots

API:

- *To split an inventory lot, use the `"/split_inventory"` workflow function*

UI:

1. Navigate to 'Data Entry→Lots' and click the checkbox on the line item of the lot that must be split.
2. In the filter menu of the page, enter the gram weight of the new lot to be created into the 'Qty' field (adjacent to the 'split selected lot' button).
3. Click the 'split selected lot' button.
4. The designated quantity will be shifted into its own lot, and the original lot will contain the remaining weight.

Moving Lots

API:

- *To update the area of inventory lots, use the `"/inventories" UPDATE` call*

UI:

1. Navigate to 'Data Entry→Lots' and click the checkbox on the line item of the lot that is being moved to a new physical location.
2. In the filter menu of the page, select the new area for the lot from the 'Move to Area' drop-down menu (adjacent to the 'move selected lots' button).
3. Click the 'move selected lots' button.
4. The designated lot will be shifted into the new area that has been selected.

Destructions

API:

- *To retrieve a list of created disposals, use the `"/disposals"` GET call*
- *To add disposals, use the `"/disposals"` POST call*
- *To modify disposals, use the `"/disposals/update"` POST call*
- *To delete disposals, use the `"/disposals"` DELETE call*

UI:

1. Navigate to 'Data Entry→Lots'.
2. Within the line item of the lots that is being adjusted due to a disposal, click the 'Dispose' icon at the far-right side of the record.
3. From the 'Source' drop-down menu, confirm that 'Inventory' is selected.
4. From the 'Lot' drop-down menu, confirm the global ID of the lot being destroyed.
5. Optionally, enter an 'External ID' value to associate with this destruction record.
6. From the 'Reason' drop-down menu, select the reason that is most appropriate for the destruction record being created.
7. In the 'Qty' field, enter the weight of the product that is being disposed of.
8. Click the 'save' button to create the new destruction record.
9. Once the record has been created, a resultant inventory lot representing the waste material will be created which can be found under 'Data Entry→Lots'.
10. Once the quarantine period is over, to document the physical disposal of the waste inventory, navigate to 'Data Entry→Destructions', find the line item of the destruction record, and click the 'Dispose' icon in the 'Dispose' column.

Inventory Adjustments

API:

- *To retrieve a list of created inventory_adjustments, use the "/inventory_adjustments" GET call*
- *To add inventory_adjustments, use the "/inventory_adjustments" POST call*
- *To delete inventory_adjustments, use the "/inventory_adjustments" DELETE call*

UI:

1. Navigate to 'Data Entry→Inventory Adjustments'.
2. Click the 'add' button in the upper-right corner of the screen to create a new adjustment.
3. From the 'Lot' drop-down menu, select the lot that is to be adjusted.
4. In the 'Qty' field, enter the weight being adjusted from the package (and NOT the new package weight). For example, if 100 grams is being added to the lot, type "100", however, if 100 grams is being decremented from the lot, type "-100".
5. From the 'Reason' drop-down menu, select the reason that the adjustment is being documented.
6. *(Optional)* In the memo field, add any additional notes that better explain the reason for the adjustment.
7. Click the 'save' button.

Inventory Conversions

API:

- *To perform a conversion, use the **"/conversions"** workflow function*

UI:

1. Navigate to 'Data Entry→Conversions'.
2. In the 'Inputs' field, begin typing the global id of the first input lot, then select the lot from the drop-down list that appears. Additional inventory lots may be selected by clicking the '+add' link next to the 'Inputs' heading.
3. In the adjacent 'Qty' field, enter the amount from each original lot that is being converted.
4. In the 'External ID' field, you may enter any data relative to this conversion record (optional).
5. Under the 'Conversion Output' section, begin typing the output 'Inventory Type' into the field, then select the target inventory item from the drop-down list that appears. *NOTE: For conversions to pre-packaged items that are priced-by-weight, inventory items for each pricing weight of each strain must be created prior to performing the conversion process.*
6. From the 'Strain' drop-down menu, select the appropriate strain if the conversion output is strain-specific. Otherwise, leave this selection blank.
7. In the 'Area' field, begin typing the area name where the output inventory will be located, then select the physical location where the new lots will be stored from the drop-down list that appears.
8. The unit of measure field will be automatically populated with the "uom" derived from the inventory type of the output selected.
9. In the 'Qty' field, enter the weight/quantity of the "output" product being created.
10. In the 'Waste (gm)' field, enter the weight of any waste associated with this conversion.
11. Check the 'Product not Altered' checkbox if the conversion taking place is not changing the product, such that new qa results are required (for example, pre-packaging flower into units as end products).
12. Check the 'Medically Compliant' checkbox if the inventory is **seeking** medically compliant status (QA Testing required for product to be determined to be medically compliant; checkbox will cause 'Medically Compliant' status of the lot to show as "Pending").
13. Click the 'save' button to perform the conversion.

Inventory Transfers

Inventory Transfers are records that document the movement of inventory from one licensed facility (or testing laboratory) to another.

Three Different Manifest Types

When creating an inventory transfer, it is important to first understand the three types that are available.

A **Delivery** manifest is a standard transfer where the sender will be responsible for completing all of the transfer information, to include:

- a. The Recipient
- b. The Driver Name(s)
- c. Estimated Departure and Arrival Times
- d. Vehicle Information (License Plate, Vehicle Description, and Vehicle VIN)
- e. Inventory to be Transferred
- f. Price Total per line item

The general workflow of a **Delivery** manifest is that the sender is performing the physical transport of the inventory to the receiver. In this workflow, *only* the sending facility can mark the transfer as “in transit”.

A **Pickup** manifest allows for the receiver to fill out the driver, trip, and vehicle information (b, c, and d in the list above). This is designed to facilitate a workflow in which the receiver is performing the physical transport of the inventory.

With a **Pickup** manifest type, only the sender is able to mark the inventory transfer as “in transit”.

A **Licensed Transporter** manifest allows for the sending facility to select a licensed transporter business to perform the physical transport of the inventory. Upon selection of this manifest type, the driver and vehicle information are not necessary, and those fields are removed from the inventory transfer page.

Now that you understand the different types of inventory transfers/manifests available, let’s take a look at inventory transfer creation.

NOTE: “Multi-Stop” functionality is currently not available in Leaf Data Systems. This is being developed for a future release. PLEASE DO NOT SELECT the “Part of Multi-Stop” checkbox visible upon creating an inventory transfer. As well, the “Inventory Transfers/Deliveries” data entry listing and report will not be useable until this functionality has been completed.

How to Create an Inventory Transfer

API:

- **To retrieve a list of created inventory_transfers, use the "/inventory_transfers" GET call**
- **To add inventory_transfers, use the "/inventory_transfers" POST call**

UI:

First, navigate to 'Data Entry→Inventory Transfers':

The screenshot displays the LEAF Washington web application interface. The top navigation bar includes the LEAF logo, the text 'Washington', and several menu items: 'Data Entry', 'Reports', 'History', 'API', 'Users', and a search field with 'global id' and a 'GO' button. A 'TRAINING' banner is visible on the right side of the header. The 'Data Entry' dropdown menu is open, listing various options: Areas, Batches, Conversions, Destructions, Inventory Types, Inventory Adjustments, **Inventory Transfers** (highlighted with a yellow box), Inventory Transfer Deliveries, Lots, Strains, WSLCB Payment Gateway, and Import Manager. Below the dropdown, there are sections for 'Reports' (Inventory: Batches, Destructions, Initial Inventories, Inventory Lots Report, Lab Results) and 'Plants' (Batches, Destructions). A 'MISCELLANEOUS' section is also visible with 'Authorized Users' and 'Data Uploads'. A 'Location changed' notification is present in the top left. The URL at the bottom of the browser is 'https://traceability-training.lcb.wa.gov/inventory_transfers'.

The page displayed will show a listing of all inventory transfers that have been created at the facility. To create a new inventory transfer, click the 'Add' button in the upper-right corner, then click 'Inventory Transfers'.

LEAF DATA SYSTEMS Washington

Data Entry ▾ Reports ▾ History ▾ API ▾ Users ▾ global id GO

TRAINING Leaf @ Training Processor (production) ▾ ?

Inventory Transfers

Export ▾ CSV ▾ Add ▾
Inventory Transfers

LICENSEE ID TO LICENSEE ID BATCH ID GLOBAL ID

EXTERNAL ID DEPARTED DATE HAS SAMPLE ITEMS STATUS

GLOBAL ID	EXTERNAL ID	FROM LICENSEE ID	TO LICENSEE ID	SENT USER NAME	RECEIVED USER	TYPE	MODIFY	VOICE
WAG010101.IT1E		G010101	M020202	Leaf Training		transfer		
WAG010101.IT20		G010101	M020202	Leaf Training		transfer		
WAG010101.IT2K		G010101	M020202	Leaf Training		transfer		

The first section of the inventory transfer allows for selection of the manifest type (discussed in the previous section), and the ability to choose the intended recipient of the transfer.

The screenshot displays the LEAF Washington web application interface. The top navigation bar includes the LEAF logo, the word "Washington", and several menu items: "Data Entry", "Reports", "History", "API", and "Users". A search bar contains the text "global id" and a "GO" button. Below the navigation bar, the word "TRAINING" is displayed in large green letters, followed by the text "Leaf @ Training Processor (production)" and a question mark icon.

The main content area is titled "Inventory Transfers Add". It contains the following form elements:

- STATUS:** open
- EXTERNAL ID:** An empty text input field.
- MANIFEST TYPE:** A dropdown menu currently showing "Delivery".
- TO RECIPIENT:** A dropdown menu currently showing "Training Retailer (dispensary) - R030303".
- PART OF MULTI-STOP:** A checkbox that is currently unchecked.

Two yellow arrows are drawn on the form, pointing to the "MANIFEST TYPE" dropdown and the "TO RECIPIENT" dropdown.

Once you complete these two selections, scroll down to the next section.

For a manifest type of “delivery” the next section will look like this:

DRIVER*	DRIVER #2
<input type="text"/>	<input type="text"/>
EST DEPARTURE*	EST ARRIVAL*
<input type="text"/>	<input type="text"/>
LICENSE PLATE*	VEHICLE DESCRIPTION
<input type="text"/>	<input type="text"/>
VEHICLE VIN*	MANIFEST
<input type="text"/>	<input type="button" value="Choose File"/> No file chosen

For a manifest type of “pickup” the same section will look like this:

MANIFEST
<input type="button" value="Choose File"/> No file chosen

NOTE: The “Manifest” field that allows for upload of an external manifest (pdf) is not necessary if you are using the Leaf Data Systems user interface directly. Leaf will generate a manifest for you upon creation of the inventory transfer.

For a manifest type of “licensed transporter” the same section will look like this:

WHO WILL BE TRANSPORTING ITEM(S)? TRANSPORTING LICENSEE	
<input type="text"/>	
EST DEPARTURE*	EST ARRIVAL*
<input type="text"/>	<input type="text"/>
MANIFEST	
<input type="button" value="Choose File"/> No file chosen	

Complete all of the fields available based on the manifest type selected in the previous step, then scroll down.

Finally, you will need to select the inventory being transferred. There are a couple of other important designations related to this inventory.

DELETE	LOT	+ADD	QTY	UOM	FOR EXTRACTION	IS SAMPLE	SAMPLE TYPE	PRODUCT SAMPLE TYPE	RETEST?	PRICE TOTAL
X	<input type="text"/>	+ADD	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
<div style="display: flex; justify-content: space-between;"> save </div>										

Start typing the global ID or name of the inventory lot to be transferred. To add more lots, click the "+ADD" link above the field.

Select the quantity of the lot to be transferred.

The unit of measure is determined by the "inventory type" of the inventory lot.

If inventory being transferred from a Producer to a Processor is designated as being for extraction purposes, check this box

IS SAMPLE	SAMPLE TYPE
<input checked="" type="checkbox"/>	<input type="text"/>
<ul style="list-style-type: none"> Non-mandatory Sample Product Sample Lab Sample 	

Values entered into this field for each line item will generate a wholesale transaction record upon creation of the inventory transfer. This total represents the total price of the line item (not the unit price).

IS SAMPLE	SAMPLE TYPE	PRODUCT SAMPLE TYPE
<input checked="" type="checkbox"/>	Product Sample	<input type="text"/>
<ul style="list-style-type: none"> Budtender (educational) Sample Vendor Sample 		

For Samples, click the "is sample" checkbox to allow for selection of "Sample Type". "Sample Types" include:

- Non-Mandatory Sample-used to request non-mandatory testing from a QA lab (results will NOT appear in Leaf)
- Product Sample-used to designate educational and vendor samples, causing a secondary drop-down to appear for selection of "Product Sample" type
- Lab Sample—a sample being sent to a testing lab for required QA testing; selecting this sample type enables selection of the "Retest" checkbox to denote that an inventory lot is being retested

Once all of the applicable forms have been completed, click the 'Save' button to create the transfer.

Modifying an Inventory Transfer

API:

- *To modify inventory_transfers, use the "/inventory_transfers/update" POST call*

UI:

To modify an Inventory Transfer record that has been created, navigate to 'Data Entry→Inventory Transfers'. Search for the transfer you wish to modify and click the pen icon in the "Modify" column.

The screenshot displays the 'Inventory Transfers' page in the LEAF Washington Training system. The page header includes the LEAF logo, 'Washington', and navigation menus for 'Data Entry', 'Reports', 'History', 'API', and 'Users'. A search bar contains 'global id' and a 'GO' button. The main content area shows a table of inventory transfers with the following columns: GLOBAL ID, EXTERNAL ID, FROM LICENSEE ID, TO LICENSEE ID, SENT USER NAME, RECEIVED USER, TYPE, MODIFY, VOID, SALES GLOBAL ID, HOLD STARTS AT, and HOLD ENDS AT. A yellow box highlights the 'MODIFY' column, which contains a pen icon for each row. The table contains several rows of data, including transfer records for 'Leaf Training' with various license IDs and dates.

GLOBAL ID	EXTERNAL ID	FROM LICENSEE ID	TO LICENSEE ID	SENT USER NAME	RECEIVED USER	TYPE	MODIFY	VOID	SALES GLOBAL ID	HOLD STARTS AT	HOLD ENDS AT
WAM020202.IT22		M020202	L050505	Leaf Training		transfer					
WAM020202.IT23		M020202	J413650	Leaf Training		transfer			WAM020202.SAV		
WAM020202.IT27		M020202	R030303	Leaf Training		transfer					
WAM020202.IT29		M020202	R030303	Leaf Training		transfer			WAM020202.SA1J	02/13/2018 04:08pm	02/14/2018 04:08pm
WAM020202.IT6		M020202	R360307	Leaf Training		transfer				12/20/2017 01:26pm	12/21/2017 01:26pm
WAM020202.IT7		M020202	R423784	Leaf Training		transfer					
WAM020202.IT8		M020202	R421797	Leaf Training		transfer					

This will take you back to a page similar to the screen where you created the transfer, and you can modify any information.

Viewing and Printing the Manifest

API:

- Manifests created through a third party software solution can be associated with the inventory transfer record by creating a base-64 encoded file and including it in the CREATE call

UI:

To view and print a manifest, navigate to “Data Entry→Inventory Transfers” (as in the previous step), and search for the inventory transfer record you wish to view the manifest for. Click the gear icon in the “Manifest” column of the line item. This will produce the following:

Transportation Manifest

Transfer Manifest Title
MARIJUANA TRANSPORTATION MANIFEST
 MANIFEST ID: WAG010101-IT1E

DATE CREATED 01/24/2018 02:29pm TRANSFER GLOBAL ID WAG010101-IT1E

DATE COMPLETED

ORIGINATING ENTITY DESTINATION ENTITY
 Training Producer - Leaf Training # Training Processor
 111 E 1st Ave 222 W 2nd Ave
 Seattle WA 98111 Seattle WA 98111

LICENSE # G010101 LICENSE # M020202
 PHONE 2065551111 PHONE 2065551111

APPROXIMATE DEPARTURE: 01/23/2018 03:28pm Product
 APPROXIMATE ARRIVAL: 01/24/2018 03:28pm Gorilla Glue #4 Gorilla Glue #4 Flower WAG010101.JN5N WAG010101.BA6K Wt/Qty
 2001.0000 gm

VEHICLE DESCRIPTION: Val's Car

VEHICLE VIN, LICENSE PLATE#: 12345678986746252 123ABC

DRIVER NAME(S): Valerie Burns ,

SIGNATURE: _____

DATE: _____

PRODUCT REJECTION (if only a portion of a shipment is rejected, circle that portion above)
 I confirm that the contents of this shipment match weight records entered above and I agree to take custody of portions of this shipment not circled above. Those portions circled were returned to the individual delivering this shipment.

NAME OF PERSON RECEIVING OR REJECTING PRODUCT: _____

SIGNATURE: _____

DATE: _____

EMAIL FORM TO:

To email the manifest, enter an email address and click the 'Send' button.

To print the manifest, click the 'Print' button.

NOTE: If you are unable to see the “gear” icon due to the word “Quarantine” in its place, this means that *AT LEAST ONE* of the inventory lots associated with the transfer does not have the appropriate lab results (or lab result attestation, for initial inventory) associated. Please double-check the lab results or lab results attestation for each lot.

Marking an Inventory Transfer as “In Transit”

API:

To mark a transfer as "in transit", use the `"/inventory_transfers_in_transit"` workflow function

UI:

From the manifest view (see previous step for navigation to manifest), click the “Mark In-Transit” button in the upper-right corner of the manifest. This will change the status of the manifest from “open” to “in-transit”. Once a manifest is designated as “in-transit”, it can no longer be modified, only received. If a manifest is marked as “in-transit” in error, the only option is to “Void” the manifest (see final section of this document) and re-create it.

The screenshot displays the LEAF Washington interface for a 'Transportation Manifest'. The page title is 'Transportation Manifest' and the user is logged in as 'TRAINING'. The manifest details include:

- Transfer Manifest Title:** MARIJUANA TRANSPORTATION MANIFEST
- Manifest ID:** WAG010101-IT1E
- Originating Entity:** Training Processor - Leaf Training #, 111 E 1st Ave, Seattle WA 98111, License # G010101, Phone 2065551111
- Destination Entity:** Training Processor, 222 W 2nd Ave, Seattle WA 98111, License # M020202, Phone 2065551111
- Approximate Departure:** 01/23/2018 03:28pm
- Approximate Arrival:** 01/24/2018 03:28pm
- Vehicle Description:** Val's Car
- Vehicle VIN, License Plate#:** 12345678906746252 123ABC
- Product:** Gorilla Glue #4 Gorilla Glue #4 Flower WAG010101.INSN WAG010101.BAK
- Weight:** 2001.0000 gm
- Driver Name(s):** Valerie Burns

The 'Mark In-Transit' button is highlighted with a yellow circle and an arrow pointing to it from the right side of the page.

For a “pickup” manifest, once the sender has created the manifest record, the receiver should navigate to “Reports→Inventory Transfers/Ready-for-Pickup”. Then, search for the manifest that is ready for pickup, and click the pen icon in the “Driver” column. This will allow the receiver to complete the driver and vehicle information pertaining to the transfer.

GLOBAL ID	EXTERNAL ID	FROM LICENSEE ID	TO LICENSEE ID	SENT USER NAME	RECEIVED USER	TYPE	SALES GLOBAL ID	HOLD STARTS AT	HOLD ENDS AT	MANIFEST	EXTERNAL MANIFEST	DRIVER	STATUS
WAM020202.IT11M		M020202	L050505	Leaf Training		transfer							ready-for-pickup
WAM020202.IT21		M020202	R030303	Leaf Training		transfer	WAM020202.SAU			Quarantined			ready-for-pickup
WAM020202.IT23		M020202	J113650	Leaf Training		transfer	WAM020202.SAV						ready-for-pickup
WAM020202.IT7		M020202	R423784	Leaf Training		transfer				Quarantined			ready-for-pickup

Receiving an Inventory Transfer

API:

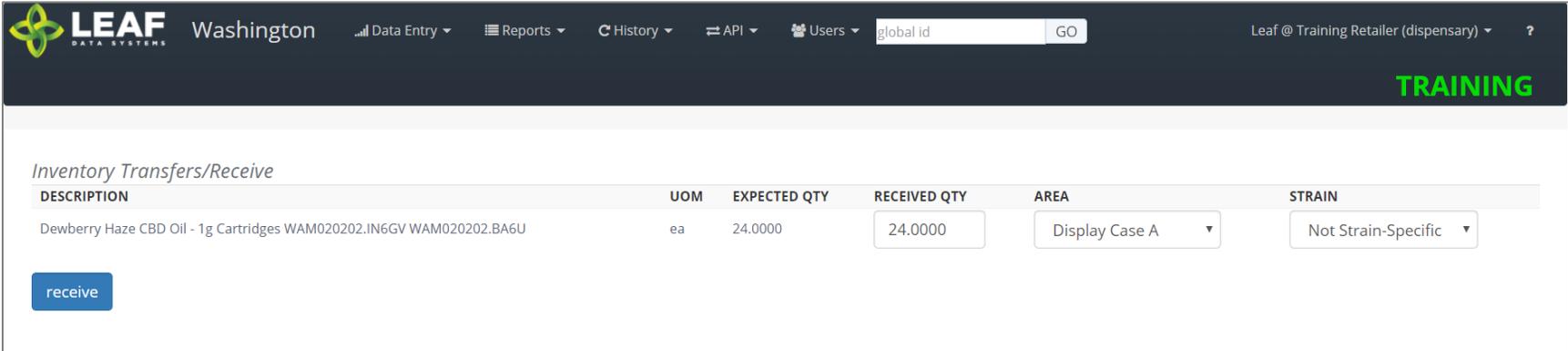
- To receive an inventory transfer, use the `"/inventory_transfers/api_receive"` (receive transfer) workflow function

UI:

Once an inventory transfer has been marked as “in-transit”, receiver can accept the inventory into their facility by navigating to “Reports→Inventory Transfers/Receive”.

GLOBAL ID	EXTERNAL ID	RECEIVE	STATUS	TYPE	TYPE	FROM LICENSEE	TO LICENSEE	FROM USER	TO USER	TRANSFERRED DATE	DEPARTED DATE	EST ARRIVAL	DETAILS
WAM020202.IT21			ready-for-pickup	inventory	transfer	Training Processor	Training Retailer	Leaf Training	Leaf Training				
WAM020202.IT27			in-transit	inventory	transfer	Training Processor	Training Retailer	Leaf Training	Leaf Training	02/08/2018 05:30pm			
WAM020202.IT29			open	inventory	transfer	Training Processor	Training Retailer	Leaf Training	Leaf Training		02/12/2018 05:06pm	02/13/2018 05:06pm	

Search for the transfer to be received, then click the gear icon in the “Receive” column. On the screen that appears (below), enter the received quantities for each line item of the transfer. Select an ‘Area’ from the drop-down menu to receive the inventory into. Finally, if the product is strain-specific, select the local strain associated with it. If it is not strain-specific, the default value in this field will denote this.



LEAF DATA SYSTEMS Washington

Data Entry ▾ Reports ▾ History ▾ API ▾ Users ▾ global id GO Leaf @ Training Retailer (dispensary) ▾ ?

TRAINING

Inventory Transfers/Receive

DESCRIPTION	UOM	EXPECTED QTY	RECEIVED QTY	AREA	STRAIN
Dewberry Haze CBD Oil - 1g Cartridges WAM020202.IN6GV WAM020202.BA6U	ea	24.0000	24.0000	Display Case A ▾	Not Strain-Specific ▾

receive

Click the 'receive' button once all of the information for each line item has been completed.

Voiding an Inventory Transfer

API:

- *To void an inventory transfer, use the `"/inventory_transfers/void"` workflow function*

UI:

To void an Inventory Transfer record that has been created, navigate to 'Data Entry → Inventory Transfers'. Search for the transfer you wish to modify and click the eraser icon in the "Void" column. Once a manifest has been voided, it will say "VOID" in red in this column.

LEAF Washington Data Entry Reports History API Users **TRAINING** Leaf @ Training Processor (production) ?

Manifest voided

Inventory Transfers Export CSV Add

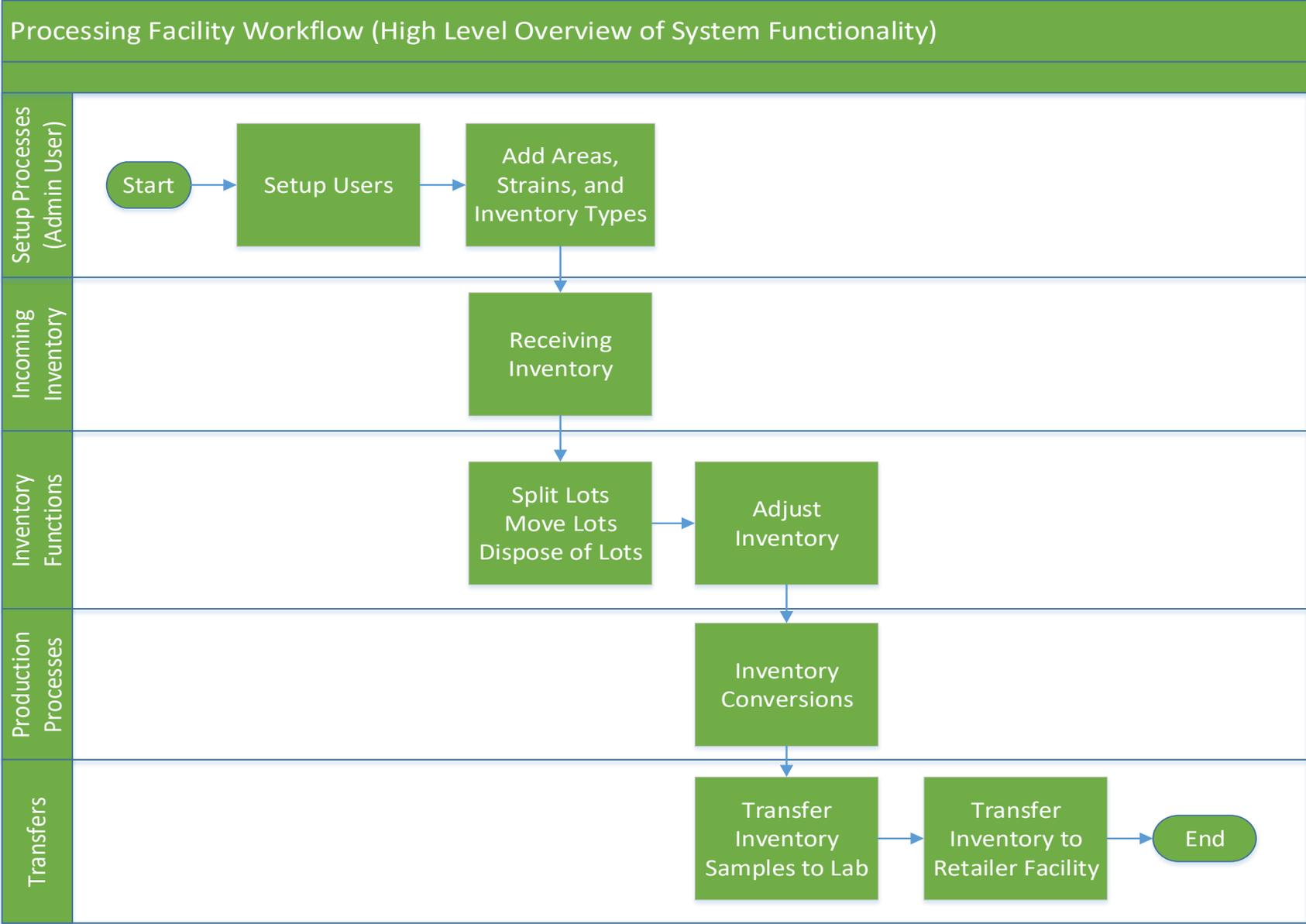
LICENSE ID TO LICENSEE ID BATCH ID GLOBAL ID EXTERNAL ID DEPARTED DATE HAS SAMPLE ITEMS

STATUS

GLOBAL ID	EXTERNAL ID	FROM LICENSEE ID	TO LICENSEE ID	SENT USER NAME	RECEIVED USER	TYPE	MODIFY	VOID	SALES GLOBAL ID	HOLD STARTS AT	HOLD ENDS AT	MANIFEST	EXTER
WAM020202.IT21		M020202	R030303	Leaf Training		transfer			WAM020202.SAU			Quarantined	
WAM020202.IT22		M020202	L050505	Leaf Training		transfer							
WAM020202.IT23		M020202	J413650	Leaf Training		transfer			WAM020202.SAV				
WAM020202.IT27		M020202	R030303	Leaf Training		transfer		VOID					
WAM020202.IT29		M020202	R030303	Leaf Training		transfer			WAM020202.SA1J	02/13/2018 04:08pm	02/14/2018 04:08pm	Quarantined	
WAM020202.IT6		M020202	R360307	Leaf Training		transfer				12/20/2017 01:26pm	12/21/2017 01:26pm		
WAM020202.IT7		M020202	R423784	Leaf Training		transfer						Quarantined	
WAM020202.IT8		M020202	R421797	Leaf Training		transfer							

PART TWO: Processing Facility Workflows

Processing Facility Workflow Diagram



Processing Facility Workflow Steps Related to UI Workflows

Administrative Setup

Create User Profiles (UI ONLY)

To create a new user profile, navigate to 'Users→Add'.

The screenshot shows the 'Users Add' form in the LEAF Washington application. The form is titled 'Users Add' and includes the following elements:

- MJF ADMIN** checkbox (unchecked)
- USE MFA** checkbox (unchecked)
- FIRST NAME** text input field
- LAST NAME** text input field
- EMAIL** text input field
- LOCALE** dropdown menu (set to 'English')
- EXTERNAL ID** text input field
- DELETED** checkbox (checked, with an 'x' icon)
- LICENSEE ID** dropdown menu (empty)
- +ADD** button
- AUTH LEVEL** dropdown menu (set to 'disabled')
- CARD REG. NUMBER** text input field
- save** button

1. **Use MFA:** *Do not check this box because SAW is being used to authenticate into Leaf Data Systems.* This feature has been deprecated and will be removed in a later release.
2. **First Name:** Type the first name of the user.
3. **Last Name:** Type the last name of the user.

4. **Email:** Enter the email address of the user.
5. **Locale:** Select the primary language of the user.
6. **External ID:** (optional field) Provides the ability to enter a secondary reference name/number for this record.
7. **Licensee ID:** From the drop-down menu, select the licensee(s) that the user should have access to.
8. **Delete:** Click the 'X' to delete a licensee row that has been added.
9. **Add:** Click the '+ADD' link to add more rows of licensees.
10. **Auth Level:** For each licensee that the user is assigned to, select an 'Authorization Level' from the drop-down menu.
 - a. 'View' allows a user to see information present in Leaf Data without the ability to perform data functions.
 - b. 'Edit' allows a user to view information in Leaf Data, as well as perform functions pertaining to day-to-day operations of the facility. The administrative setup functions described in this procedure are NOT able to be performed by a user with an 'edit' authorization level.
 - c. 'Admin' allows a user access to all information and all functionality within Leaf Data that may be viewed or performed by the associated Licensee ID.
 - d. 'Disabled' maintains a users profile in Leaf Data Systems while prohibiting the user from accessing the database.
11. **Card Reg. Number:** this field has been deprecated and will be removed in an upcoming release.
12. **Save:** Click the 'save' button to create the new user.

Viewing and Modifying Users

API:

- *Use the `"/users"` GET to retrieve data regarding users that have already been created*
- *Users may only be created and modified via the UI*

UI:

To view users that have been created within Leaf Data Systems, navigate to 'Users→View'. Use the filters and column headers to sort the data to find a specific record. To modify the record, click the 'pen' icon in the 'Modify' column of the line item you wish to modify. Update the information that has changed, and click the 'Save' button to update the record.

Users Export ▾

LICENSEE ID LICENSEE NAME GLOBAL ID CARD REG. NUMBER USER NAME EMAIL

GLOBAL ID	EXTERNAL ID	LICENSEE ID	LICENSEE NAME	CARD REG. NUMBER	MODIFY	DELETE	PASSWORD RESET	RESET MFA	NAME	EMAIL	AUTH LEVEL
WASTATE1.US4	5287	STATE1	State						Karen Kaussner	karen@mjfreeway.com	admin
		G029843	PM Grow					admin			
		R123123	QA Retailer					admin			
		G12341	QA Grow					admin			
		LL-123123	QA LAB					admin			
M3452345	QA Processor					admin					
E928344	PM Coop					admin					
WASTATE1.US5		STATE1	State						Valerie Burns	valerie@mjfreeway.com	admin
		G12341	QA Grow					admin			
		LL-123123	QA LAB					admin			
		M3452345	QA Processor					admin			
		G12345	QA KS Producer					admin			
		L050505	Training Lab					admin			
		M020202	Training Processor					admin			
R030303	Training Retailer					admin					
G010101	Training Producer					admin					
		STATE1	State								admin
		G082365	DCGrower					admin			
		R288123	DCDispensary					admin			
		L075841	DCI Shop								admin

« 1 2 »

Create Areas

API:

- To retrieve a list of created areas, use the `"/areas"` GET call
- To add areas, use the `"/areas"` POST call
- To modify areas, use the `"/areas/update"` POST call
- To delete areas, use the `"/areas"` DELETE call

UI:

1. Navigate to 'Data Entry→Areas'.
2. To create a new area, click the 'add' button in the upper-right corner of the screen.
3. Enter a name for the area, then select the corresponding area type.
4. Click the 'save' button to create the area.
5. Repeat steps 2-4 until all physical locations where plants and product may exist are represented within Leaf Data.

Create Strains

API:

To retrieve a list of created strains, use the "/strains" GET call

To add strains, use the "/strains" POST call

To modify strains, use the "/strains/update" POST call

To delete strains, use the "/strains" DELETE call

UI:

1. Navigate to 'Data Entry→Strains'.
2. To create a new strain, click the 'add' button in the upper-right corner of the screen.
3. Enter the strain name in the name field, then click the 'save' button to create the strain.
4. Repeat steps 3-4 until all strains that will be present at the facility are represented within Leaf Data.

Create Inventory Types

API:

- *To retrieve a list of created inventory_types, use the "/inventory_types" GET call*
- *To add inventory_types, use the "/inventory_types" POST call*
- *To modify inventory_types, use the "/inventory_types/update" call*
- *To delete inventory_types, use the "/inventory_types" DELETE call*

UI:

1. Navigate to 'Data Entry→Inventory Types'.
2. Click the 'add' button in the upper-right corner of the screen.
3. In the 'Name' field, enter a name for the new inventory type, for example, the strain name followed by descriptive wording, such as 'flower' or 'other material'.
4. Select the 'category' and 'sub-category' that represent the inventory type being created.
5. Select the unit of measure that corresponds to the inventory type being created: if the product is measured by its weight, select grams (gm) and if the product is measured by a piece count, select each (ea).
6. If applicable, complete the 'net weight (gm)' OR 'servings per unit' and 'serving size' fields (for end products only).
7. Once the form is complete, click the 'save' button to create the inventory type.

*Inventory Type Examples for Processors***Harvest Materials (Producers and Processors)**

Harvest Materials include flower, flower lots, other material, and other material lots that are created through the harvest process at Production facilities. Producers must manually create inventory types for the harvest materials they intend to produce (for each individual strain they grow), whereas Processors will have these automatically created in the system upon receipt of this inventory from Producers.

- The "name" should include the strain and sub-category
- The "uom" will always be "gm"
- The available "sub-category" selections are shown

The screenshot shows the 'Inventory Types Add' form in the LEAF Washington system. The form has the following fields and values:

- EXTERNAL ID:** [Empty text box]
- NAME*:** ACDC Flower Lots
- UOM:** gm
- CATEGORY:** Harvest Material
- SUB-CATEGORY:** Flower Lots (selected from a dropdown menu that also includes Flower, Other Material, and Other Material Lots)
- WEIGHT PER UNIT (GM):** [Empty text box]
- save:** [Blue button]

Waste (All Licensees)

The Waste inventory type is automatically created upon addition of a destruction record. The inventory type is related to the physical waste inventory lot produced in the destruction workflow.

- The "name" is simply "waste"
- The "uom" will always be "gm"

The screenshot shows the 'Inventory Types Edit' form in the LEAF Washington system. The form has the following fields and values:

- EXTERNAL ID:** [Empty text box]
- NAME*:** waste
- UOM:** gm
- CATEGORY:** Waste
- SUB-CATEGORY:** Waste
- WEIGHT PER UNIT (GM):** [Empty text box]
- save:** [Blue button]

Intermediate Products (Processors)

Intermediate Product inventory types are created at Processing facilities prior to conversions taking place. They can be the output of a conversion where the input is either harvest materials or a different intermediate product and represent the bulk inventory present at processing facilities.

- The "name" should be as descriptive as possible
- The "uom" will always be "gm"
- The available "sub-category" selections are shown

End Products (Processors and Retailers)

End Products represent the discrete items created at Processing facilities that are transferred to Retailers for sale to consumer. Processors must manually create inventory types for the end products they intend to produce, whereas Retailers will have these automatically created in the system upon receipt of this inventory from Processors.

- The "name" should be as descriptive as possible
- The "uom" will always be "ea"
- The available "sub-category" selections are shown

NOTE: For "liquid edible", "solid edible", "topical", "capsules", "tinctures", "transdermal patches", and "suppository" sub-categories, the "serving size" and "servings per unit" fields must be completed (*not shown*). For "concentrate for inhalation", "infused mix", "packaged marijuana mix", and "sample jar", and "usable marijuana", the "weight per unit (gm)" field must be completed (*shown*).

Understanding Batches

The purpose of using batches to group together plant and inventory records is two-fold. Batches assist with creating the traceability that the system is designed to offer. As well, batches allow producers to manage plants in any phase in groups, which enables mass actions to be applied to numerous records simultaneously. Batches are not intended to constrain activities involving plant movement, as plants can be shifted from one batch to another and do not have exclusive relationships with batches they are added to.

Batch types include propagation material, plant, harvest, and intermediate/end product.

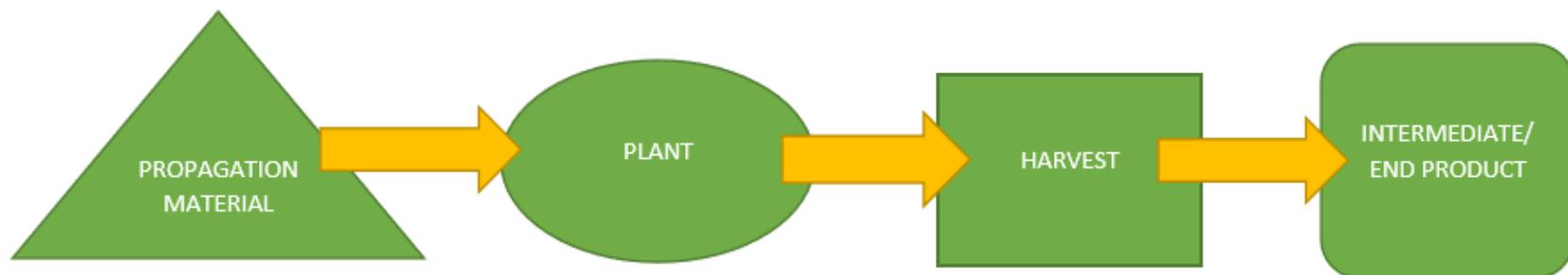
'Propagation Material' batches are used to create inventory lots of seeds, clones, mature plants and plant tissue so that these plants can be tracked as inventory throughout their propagation phase. As plants shift from their propagation to vegetative phase, they are moved to plants at which point the plant records are associated with a 'plant' type batch.

'Plant' batches are a group of plants from the same strain, that are growing together within their vegetative and flowering phases. Attributes of all of the plants within a batch can be modified at the batch level, which will apply changes across all of the plant records.

'Harvest' batches represent a group of harvested material that is all the same strain. These types of batches are used to denote both 'wet' and 'dry' weight of 'flower' and 'other material' produced during the harvest. Resultant dry weight from a harvest batch is separated into 'inventory lots'.

'Intermediate/end product' batches are batches that consist of multiple harvest batches being combined, for example, combining two different strains to make a blended concentrate product. They can also be comprised of a single harvest batch that has been converted into an intermediate or end product.

Visualization of the Batch Life Cycle



Inventory Functions

As product is packaged and prepared for sale, there are multiple functions that may be necessary to be performed. Once lots are created, they can be split into multiple lots, moved from area to area, and disposed of (either partially, or in full).

Splitting Lots

API:

- ***To split an inventory lot, use the `"/split_inventory"` workflow function***

UI:

1. Navigate to 'Data Entry→Lots' and click the checkbox on the line item of the lot that must be split.
2. In the filter menu of the page, enter the gram weight of the new lot to be created into the 'Qty' field (adjacent to the 'split selected lot' button).
3. Click the 'split selected lot' button.
4. The designated quantity will be shifted into its own lot, and the original lot will contain the remaining weight.

Moving Lots

API:

- ***To update the area of inventory lots, use the `"/inventories/update"` POST call***

UI:

1. Navigate to 'Data Entry→Lots' and click the checkbox on the line item of the lot that is being moved to a new physical location.
2. In the filter menu of the page, select the new area for the lot from the 'Move to Area' drop-down menu (adjacent to the 'move selected lots' button).
3. Click the 'move selected lots' button.
4. The designated lot will be shifted into the new area that has been selected.

Destructions

API:

- ***To retrieve a list of created disposals, use the `"/disposals"` GET call***
- ***To add disposals, use the `"/disposals"` POST call***
- ***To modify disposals, use the `"/disposals/update"` POST call***
- ***To delete disposals, use the `"/disposals"` DELETE call***

UI:

1. Navigate to 'Data Entry→Lots'.
2. Within the line item of the lots that is being adjusted due to a disposal, click the 'Dispose' icon at the far-right side of the record.
3. From the 'Source' drop-down menu, confirm that 'Inventory' is selected.
4. From the 'Lot' drop-down menu, confirm the global ID of the lot being destroyed.
5. Optionally, enter an 'External ID' value to associate with this destruction record.
6. From the 'Reason' drop-down menu, select the reason that is most appropriate for the destruction record being created.
7. In the 'Qty' field, enter the weight of the product that is being disposed of.
8. Click the 'save' button to create the new destruction record.
9. Once the record has been created, a resultant inventory lot representing the waste material will be created which can be found under 'Data Entry→Lots'.
10. Once the quarantine period is over, to document the physical disposal of the waste inventory, navigate to 'Data Entry→Destructions', find the line item of the destruction record, and click the 'Dispose' icon in the 'Dispose' column.

Inventory Adjustments

API:

To retrieve a list of created inventory_adjustments, use the "/inventory_adjustments" GET call

To add inventory_adjustments, use the "/inventory_adjustments" POST call

To delete inventory_adjustments, use the "/inventory_adjustments" DELETE call

UI:

1. Navigate to 'Data Entry→Inventory Adjustments'.
2. Click the 'add' button in the upper-right corner of the screen to create a new adjustment.
3. From the 'Lot' drop-down menu, select the lot that is to be adjusted.
4. In the 'Qty' field, enter the weight being adjusted from the package (and NOT the new package weight). For example, if 100 grams is being added to the lot, type "100", however, if 100 grams is being decremented from the lot, type "-100".
5. From the 'Reason' drop-down menu, select the reason that the adjustment is being documented.
6. *(Optional)* In the memo field, add any additional notes that better explain the reason for the adjustment.
7. Click the 'save' button.

Inventory Conversions

API:

- *To perform a conversion, use the "/conversions" workflow function*

UI:

1. Navigate to 'Data Entry→Conversions'.
2. In the 'Inputs' field, begin typing the global id of the first input lot, then select the lot from the drop-down list that appears. Additional inventory lots may be selected by clicking the '+add' link next to the 'Inputs' heading.
3. In the adjacent 'Qty' field, enter the amount from each original lot that is being converted.
4. In the 'External ID' field, you may enter any data relative to this conversion record (optional).
5. Under the 'Conversion Output' section, begin typing the output 'Inventory Type' into the field, then select the target inventory item from the drop-down list that appears. *NOTE: For conversions to pre-packaged items that are priced-by-weight, inventory items for each pricing weight of each strain must be created prior to performing the conversion process.*
6. From the 'Strain' drop-down menu, select the appropriate strain if the conversion output is strain-specific. Otherwise, leave this selection blank.
7. In the 'Area' field, begin typing the area name where the output inventory will be located, then select the physical location where the new lots will be stored from the drop-down list that appears.
8. The unit of measure field will be automatically populated with the "uom" derived from the inventory type of the output selected.
9. In the 'Qty' field, enter the weight/quantity of the "output" product being created.
10. In the 'Waste (gm)' field, enter the weight of any waste associated with this conversion.
11. Check the 'Product not Altered' checkbox if the conversion taking place is not changing the product, such that new qa results are required (for example, pre-packaging flower into units as end products).
12. Check the 'Medically Compliant' checkbox if the inventory is **seeking** medically compliant status (QA Testing required for product to be determined to be medically compliant; checkbox will cause 'Medically Compliant' status of the lot to show as "Pending").
13. Click the 'save' button to perform the conversion.

Inventory Transfers

Inventory Transfers are records that document the movement of inventory from one licensed facility (or testing laboratory) to another.

Three Different Manifest Types

When creating an inventory transfer, it is important to first understand the three types that are available.

A **Delivery** manifest is a standard transfer where the sender will be responsible for completing all of the transfer information, to include:

- g. The Recipient
- h. The Driver Name(s)
- i. Estimated Departure and Arrival Times
- j. Vehicle Information (License Plate, Vehicle Description, and Vehicle VIN)
- k. Inventory to be Transferred
- l. Price Total per line item

The general workflow of a **Delivery** manifest is that the sender is performing the physical transport of the inventory to the receiver. In this workflow, *only* the sending facility can mark the transfer as “in transit”.

A **Pickup** manifest allows for the receiver to fill out the driver, trip, and vehicle information (b, c, and d in the list above). This is designed to facilitate a workflow in which the receiver is performing the physical transport of the inventory.

With a **Pickup** manifest type, only the sender is able to mark the inventory transfer as “in transit”.

A **Licensed Transporter** manifest allows for the sending facility to select a licensed transporter business to perform the physical transport of the inventory. Upon selection of this manifest type, the driver and vehicle information are not necessary, and those fields are removed from the inventory transfer page.

Now that you understand the different types of inventory transfers/manifests available, let’s take a look at inventory transfer creation.

NOTE: “Multi-Stop” functionality is currently not available in Leaf Data Systems. This is being developed for a future release. PLEASE DO NOT SELECT the “Part of Multi-Stop” checkbox visible upon creating an inventory transfer. As well, the “Inventory Transfers/Deliveries” data entry listing and report will not be useable until this functionality has been completed.

How to Create an Inventory Transfer

API:

- **To retrieve a list of created inventory_transfers, use the "/inventory_transfers" GET call**
- **To add inventory_transfers, use the "/inventory_transfers" POST call**

UI:

First, navigate to 'Data Entry→Inventory Transfers':

The screenshot displays the LEAF Washington web application interface. The top navigation bar includes the LEAF logo, the text 'Washington', and several menu items: 'Data Entry', 'Reports', 'History', 'API', 'Users', and a search field with 'global id' and a 'GO' button. A 'TRAINING' banner is visible on the right side of the header. The 'Data Entry' dropdown menu is open, listing various options: Areas, Batches, Conversions, Destructions, Inventory Types, Inventory Adjustments, **Inventory Transfers** (highlighted with a yellow box), Inventory Transfer Deliveries, Lots, Strains, WSLCB Payment Gateway, and Import Manager. Below the dropdown, there is a 'MISCELLANEOUS' section with links for 'Authorized Users' and 'Data Uploads'. The main content area shows a 'Location changed' notification, a 'Reports' section with 'Inventory' reports (Batches, Destructions, Initial Inventories, Inventory Lots Report, Lab Results), and a 'Plants' section with links for 'Batches' and 'Destructions'. The URL at the bottom of the browser is 'https://traceability-training.lcb.wa.gov/inventory_transfers'.

The page displayed will show a listing of all inventory transfers that have been created at the facility. To create a new inventory transfer, click the 'Add' button in the upper-right corner, then click 'Inventory Transfers'.

LEAF DATA SYSTEMS Washington | Data Entry | Reports | History | API | Users | global id | GO

TRAINING Leaf @ Training Processor (production) ?

Inventory Transfers

Export | CSV | Add
Inventory Transfers

LICENSEE ID TO LICENSEE ID BATCH ID GLOBAL ID

EXTERNAL ID DEPARTED DATE HAS SAMPLE ITEMS STATUS

GLOBAL ID	EXTERNAL ID	FROM LICENSEE ID	TO LICENSEE ID	SENT USER NAME	RECEIVED USER	TYPE	MODIFY	VOICE
WAG010101.IT1E		G010101	M020202	Leaf Training		transfer		
WAG010101.IT20		G010101	M020202	Leaf Training		transfer		
WAG010101.IT2K		G010101	M020202	Leaf Training		transfer		

The first section of the inventory transfer allows for selection of the manifest type (discussed in the previous section), and the ability to choose the intended recipient of the transfer.

The screenshot displays the LEAF Washington web application interface. The top navigation bar includes the LEAF logo, the text 'Washington', and several menu items: 'Data Entry', 'Reports', 'History', 'API', and 'Users'. A search bar contains the text 'global id' and a 'GO' button. Below the navigation bar, the word 'TRAINING' is prominently displayed in green, followed by the user's session information: 'Leaf @ Training Processor (production)'. The main content area is titled 'Inventory Transfers Add'. Under the heading 'STATUS', the value 'open' is shown. The 'EXTERNAL ID' field is an empty text input. The 'MANIFEST TYPE' is a dropdown menu currently set to 'Delivery'. To the right of this dropdown is a checkbox labeled 'PART OF MULTI-STOP', which is currently unchecked. The 'TO RECIPIENT' field is a dropdown menu showing 'Training Retailer (dispensary) - R030303'. Two yellow arrows are drawn on the page: one points from the 'PART OF MULTI-STOP' checkbox to the 'MANIFEST TYPE' dropdown, and the other points from the 'PART OF MULTI-STOP' checkbox to the 'TO RECIPIENT' dropdown.

Once you complete these two selections, scroll down to the next section.

For a manifest type of “delivery” the next section will look like this:

DRIVER*	DRIVER #2
<input type="text"/>	<input type="text"/>
EST DEPARTURE*	EST ARRIVAL*
<input type="text"/>	<input type="text"/>
LICENSE PLATE*	VEHICLE DESCRIPTION
<input type="text"/>	<input type="text"/>
VEHICLE VIN*	MANIFEST
<input type="text"/>	<input type="button" value="Choose File"/> No file chosen

For a manifest type of “pickup” the same section will look like this:

MANIFEST
<input type="button" value="Choose File"/> No file chosen

NOTE: The “Manifest” field that allows for upload of an external manifest (pdf) is not necessary if you are using the Leaf Data Systems user interface directly. Leaf will generate a manifest for you upon creation of the inventory transfer.

For a manifest type of “licensed transporter” the same section will look like this:

WHO WILL BE TRANSPORTING ITEM(S)? TRANSPORTING LICENSEE	
<input type="text"/>	
EST DEPARTURE*	EST ARRIVAL*
<input type="text"/>	<input type="text"/>
MANIFEST	
<input type="button" value="Choose File"/> No file chosen	

Complete all of the fields available based on the manifest type selected in the previous step, then scroll down.

Finally, you will need to select the inventory being transferred. There are a couple of other important designations related to this inventory.

DELETE	LOT	+ADD	QTY	UOM	FOR EXTRACTION	IS SAMPLE	SAMPLE TYPE	PRODUCT SAMPLE TYPE	RETEST?	PRICE TOTAL
X	<input type="text"/>	+ADD	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
<div style="display: flex; justify-content: space-between; align-items: center;"> save </div>										

Start typing the global ID or name of the inventory lot to be transferred. To add more lots, click the "+ADD" link above the field.

Select the quantity of the lot to be transferred.

The unit of measure is determined by the "inventory type" of the inventory lot.

If inventory being transferred from a Producer to a Processor is designated as being for extraction purposes, check this box

IS SAMPLE	SAMPLE TYPE
<input checked="" type="checkbox"/>	<input type="text"/>
<ul style="list-style-type: none"> Non-mandatory Sample Product Sample Lab Sample 	

Values entered into this field for each line item will generate a wholesale transaction record upon creation of the inventory transfer. This total represents the total price of the line item (not the unit price).

IS SAMPLE	SAMPLE TYPE	PRODUCT SAMPLE TYPE
<input checked="" type="checkbox"/>	Product Sample	<input type="text"/>
<ul style="list-style-type: none"> Budtender (educational) Sample Vendor Sample 		

For Samples, click the "is sample" checkbox to allow for selection of "Sample Type". "Sample Types" include:

- Non-Mandatory Sample-used to request non-mandatory testing from a QA lab (results will NOT appear in Leaf)
- Product Sample-used to designate educational and vendor samples, causing a secondary drop-down to appear for selection of "Product Sample" type
- Lab Sample—a sample being sent to a testing lab for required QA testing; selecting this sample type enables selection of the "Retest" checkbox to denote that an inventory lot is being retested

Once all of the applicable forms have been completed, click the 'Save' button to create the transfer.

Modifying an Inventory Transfer

API:

- *To modify inventory_transfers, use the "/inventory_transfers/update" POST call*

UI:

To modify an Inventory Transfer record that has been created, navigate to 'Data Entry→Inventory Transfers'. Search for the transfer you wish to modify and click the pen icon in the "Modify" column.

The screenshot displays the 'Inventory Transfers' page in the LEAF Washington system. The page features a search bar at the top with 'global id' entered and a 'GO' button. Below the search bar, there are several filter fields: LICENSEE ID, TO LICENSEE ID, BATCH ID, GLOBAL ID, EXTERNAL ID, DEPARTED DATE, and HAS SAMPLE ITEMS. A 'filter' button is located below these fields. The main content is a table with the following columns: GLOBAL ID, EXTERNAL ID, FROM LICENSEE ID, TO LICENSEE ID, SENT USER NAME, RECEIVED USER, TYPE, MODIFY, VOID, SALES GLOBAL ID, HOLD STARTS AT, and HOLD ENDS AT. The table contains several rows of data, each representing an inventory transfer record. A yellow box highlights the 'MODIFY' column, which contains a pen icon for each record, indicating that these records can be edited.

GLOBAL ID	EXTERNAL ID	FROM LICENSEE ID	TO LICENSEE ID	SENT USER NAME	RECEIVED USER	TYPE	MODIFY	VOID	SALES GLOBAL ID	HOLD STARTS AT	HOLD ENDS AT
WAM020202.IT22	M020202	L050505		Leaf Training		transfer					
WAM020202.IT23	M020202	J413650		Leaf Training		transfer			WAM020202.SAV		
WAM020202.IT27	M020202	R030303		Leaf Training		transfer					
WAM020202.IT29	M020202	R030303		Leaf Training		transfer			WAM020202.SA1J	02/13/2018 04:08pm	02/14/2018 04:08pm
WAM020202.IT6	M020202	R360307		Leaf Training		transfer				12/20/2017 01:26pm	12/21/2017 01:26pm
WAM020202.IT7	M020202	R423784		Leaf Training		transfer					
WAM020202.IT8	M020202	R421797		Leaf Training		transfer					

This will take you back to a page similar to the screen where you created the transfer, and you can modify any information.

Viewing and Printing the Manifest

API:

- Manifests created through a third party software solution can be associated with the inventory transfer record by creating a base-64 encoded file and including it in the CREATE call

UI:

To view and print a manifest, navigate to “Data Entry→Inventory Transfers” (as in the previous step), and search for the inventory transfer record you wish to view the manifest for. Click the gear icon in the “Manifest” column of the line item. This will produce the following:

Transportation Manifest

Transfer Manifest Title
MARIJUANA TRANSPORTATION MANIFEST
 MANIFEST ID: WAG010101-IT1E

DATE CREATED 01/24/2018 02:29pm TRANSFER GLOBAL ID WAG010101-IT1E

DATE COMPLETED

ORIGINATING ENTITY DESTINATION ENTITY
 Training Producer - Leaf Training # Training Processor
 111 E 1st Ave 222 W 2nd Ave
 Seattle WA 98111 Seattle WA 98111

LICENSE # G010101 LICENSE # M020202
 PHONE 2065551111 PHONE 2065551111

APPROXIMATE DEPARTURE: 01/23/2018 03:28pm Product Wt/Qty
 APPROXIMATE ARRIVAL: 01/24/2018 03:28pm Gorilla Glue #4 Gorilla Glue #4 Flower WAG010101.JN5N WAG010101.BA6K 2001.0000 gm

VEHICLE DESCRIPTION: Val's Car

VEHICLE VIN, LICENSE PLATE#: 12345678986746252 123ABC

DRIVER NAME(S): Valerie Burns.

SIGNATURE: _____

DATE: _____

PRODUCT REJECTION (if only a portion of a shipment is rejected, circle that portion above)
 I confirm that the contents of this shipment match weight records entered above and I agree to take custody of portions of this shipment not circled above. Those portions circled were returned to the individual delivering this shipment.

NAME OF PERSON RECEIVING OR REJECTING PRODUCT: _____

SIGNATURE: _____

DATE: _____

EMAIL FORM TO: Send Mark In-Transit Print

To email the manifest, enter an email address and click the 'Send' button.

To print the manifest, click the 'Print' button.

NOTE: If you are unable to see the “gear” icon due to the word “Quarantine” in its place, this means that *AT LEAST ONE* of the inventory lots associated with the transfer does not have the appropriate lab results (or lab result attestation, for initial inventory) associated. Please double-check the lab results or lab results attestation for each lot.

Marking an Inventory Transfer as “In Transit”

API:

To mark a transfer as “in transit”, use the `"/inventory_transfers_in_transit"` workflow function

UI:

From the manifest view (see previous step for navigation to manifest), click the “Mark In-Transit” button in the upper-right corner of the manifest. This will change the status of the manifest from “open” to “in-transit”. Once a manifest is designated as “in-transit”, it can no longer be modified, only received. If a manifest is marked as “in-transit” in error, the only option is to “Void” the manifest (see final section of this document) and re-create it.

The screenshot displays the LEAF Washington interface for a 'Transportation Manifest'. The page title is 'Transportation Manifest' and the user is logged in as 'Leaf @ Training Processor (production)'. The manifest details include:

- Transfer Manifest Title:** MARIJUANA TRANSPORTATION MANIFEST
- Manifest ID:** WAG010101-JT1E
- DATE CREATED:** 01/24/2018 02:29pm
- DATE COMPLETED:** (empty)
- TRANSFER GLOBAL ID:** WAG010101-JT1E
- FOR OFFICIAL USE ONLY:** (empty)
- ORIGINATING ENTITY:** Training Producer - Leaf Training #, 111 E 1st Ave, Seattle WA 98111
- DESTINATION ENTITY:** Training Processor, 222 W 2nd Ave, Seattle WA 98111
- LICENSE #:** G010101
- PHONE:** 2065551111
- LICENSE #:** M020202
- PHONE:** 2065551111
- APPROXIMATE DEPARTURE:** 01/23/2018 03:28pm
- APPROXIMATE ARRIVAL:** 01/24/2018 03:28pm
- VEHICLE DESCRIPTION:** Val's Car
- VEHICLE VIN, LICENSE PLATE#:** 12345678906746252 123ADC
- Product:** Gorilla Glue #4 Gorilla Glue #4 Flower WAG010101-INSN WAG010101-BASK
- Weight:** 2001.0000 gm
- DRIVER NAME(S):** Valerie Burns,
- SIGNATURE:** (Redacted)
- DATE:** (Redacted)
- PRODUCT REJECTION:** (Redacted)
- NAME OF PERSON RECEIVING OR REJECTING PRODUCT:** (Redacted)
- SIGNATURE:** (Redacted)
- DATE:** (Redacted)

For a “pickup” manifest, once the sender has created the manifest record, the receiver should navigate to “Reports→Inventory Transfers/Ready-for-Pickup”. Then, search for the manifest that is ready for pickup, and click the pen icon in the “Driver” column. This will allow the receiver to complete the driver and vehicle information pertaining to the transfer.

GLOBAL ID	EXTERNAL ID	FROM LICENSEE ID	TO LICENSEE ID	SENT USER NAME	RECEIVED USER	TYPE	SALES GLOBAL ID	HOLD STARTS AT	HOLD ENDS AT	MANIFEST	EXTERNAL MANIFEST	DRIVER	STATUS
WAM020202.IT11M		M020202	L050505	Leaf Training		transfer							ready-for-pickup
WAM020202.IT21		M020202	R030303	Leaf Training		transfer	WAM020202.SAU			Quarantined			ready-for-pickup
WAM020202.IT23		M020202	J113650	Leaf Training		transfer	WAM020202.SAV						ready-for-pickup
WAM020202.IT7		M020202	R423784	Leaf Training		transfer				Quarantined			ready-for-pickup

Receiving an Inventory Transfer

API:

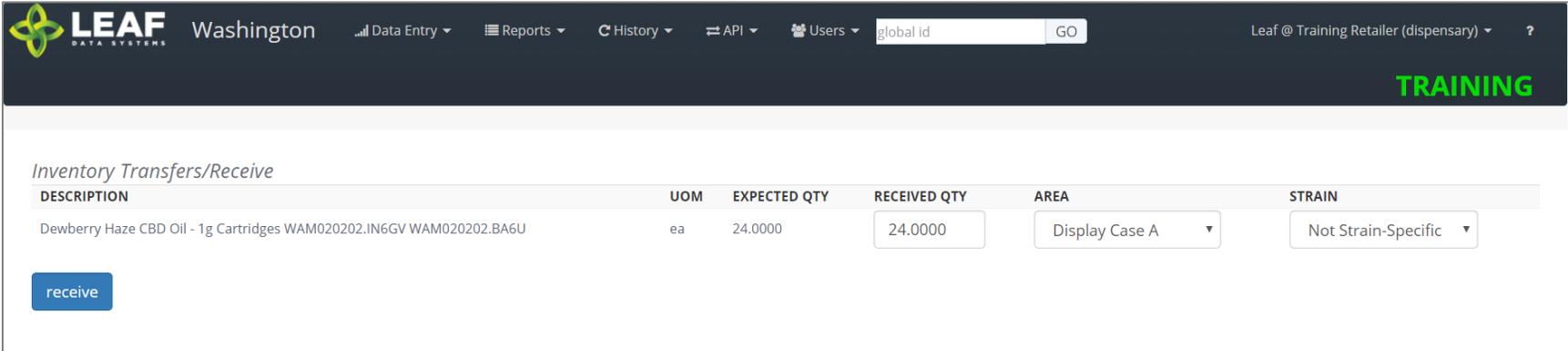
- *To receive an inventory transfer, use the `"/inventory_transfers/api_receive"` (receive transfer) workflow function*

UI:

Once an inventory transfer has been marked as “in-transit”, receiver can accept the inventory into their facility by navigating to “Reports→Inventory Transfers/Receive”.

GLOBAL ID	EXTERNAL ID	RECEIVE	STATUS	TYPE	TYPE	FROM LICENSEE	TO LICENSEE	FROM USER	TO USER	TRANSFERRED DATE	DEPARTED DATE	EST ARRIVAL	DETAILS
WAM020202.IT21			ready-for-pickup	inventory	transfer	Training Processor	Training Retailer	Leaf Training	Leaf Training				
WAM020202.IT27			in-transit	inventory	transfer	Training Processor	Training Retailer	Leaf Training	Leaf Training	02/08/2018 05:30pm			
WAM020202.IT29			open	inventory	transfer	Training Processor	Training Retailer	Leaf Training	Leaf Training		02/12/2018 05:06pm	02/13/2018 05:06pm	

Search for the transfer to be received, then click the gear icon in the “Receive” column. On the screen that appears (below), enter the received quantities for each line item of the transfer. Select an ‘Area’ from the drop-down menu to receive the inventory into. Finally, if the product is strain-specific, select the local strain associated with it. If it is not strain-specific, the default value in this field will denote this.



Inventory Transfers/Receive

DESCRIPTION	UOM	EXPECTED QTY	RECEIVED QTY	AREA	STRAIN
Dewberry Haze CBD Oil - 1g Cartridges WAM020202.IN6GV WAM020202.BA6U	ea	24.0000	24.0000	Display Case A	Not Strain-Specific

receive

Click the 'receive' button once all of the information for each line item has been completed.

Voiding an Inventory Transfer

API:

- **To void an inventory transfer, use the `"/inventory_transfers/void"` workflow function**

UI:

To void an Inventory Transfer record that has been created, navigate to 'Data Entry → Inventory Transfers'. Search for the transfer you wish to modify and click the eraser icon in the "Void" column. Once a manifest has been voided, it will say "VOID" in red in this column.

LEAF DATA SYSTEMS Washington Data Entry Reports History API Users **TRAINING** Leaf @ Training Processor (production) ?

Manifest voided

Inventory Transfers Export CSV Add

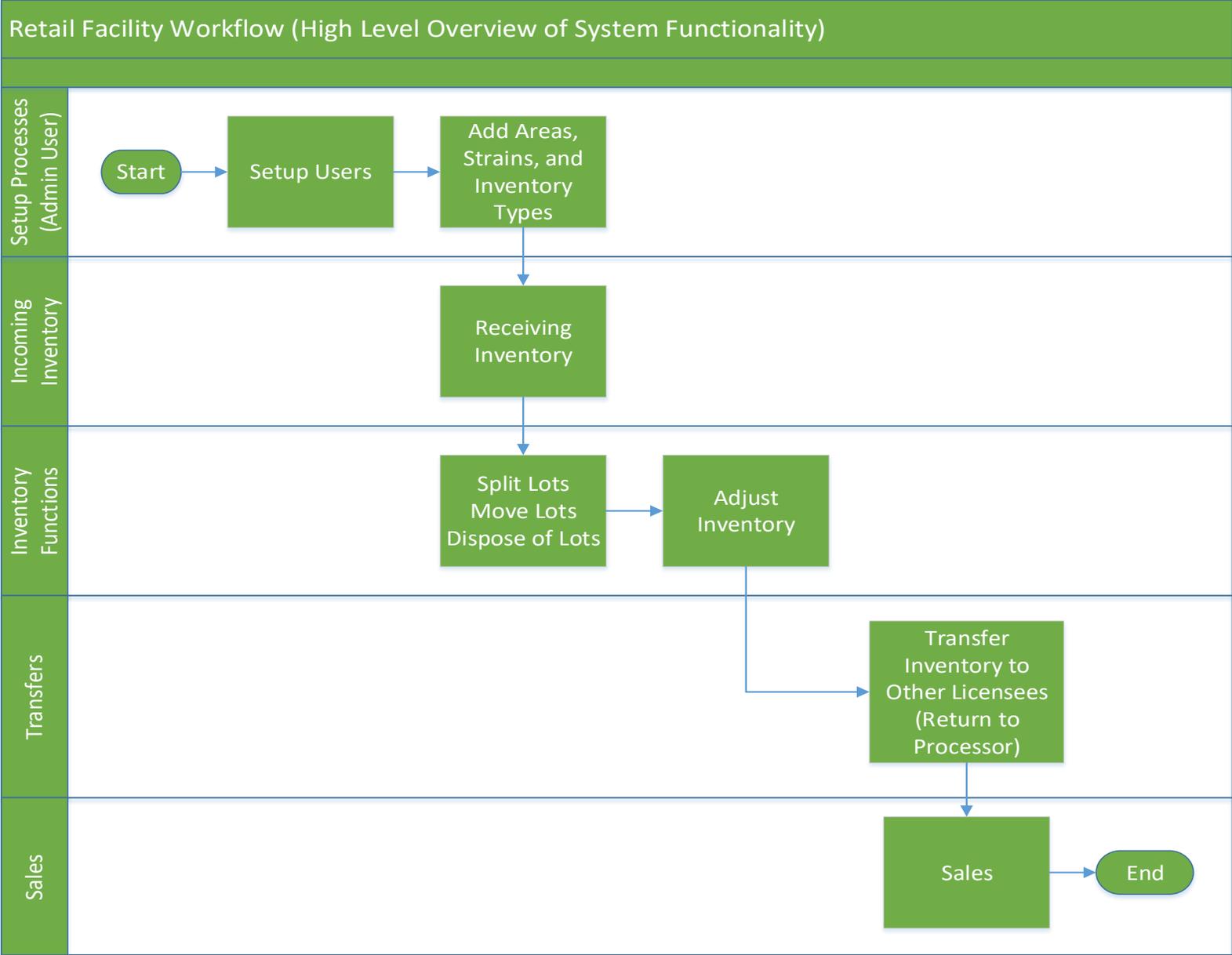
LICENSE ID TO LICENSEE ID BATCH ID GLOBAL ID EXTERNAL ID DEPARTED DATE HAS SAMPLE ITEMS

STATUS

GLOBAL ID	EXTERNAL ID	FROM LICENSEE ID	TO LICENSEE ID	SENT USER NAME	RECEIVED USER	TYPE	MODIFY	VOID	SALES GLOBAL ID	HOLD STARTS AT	HOLD ENDS AT	MANIFEST	EXTER
WAM020202.IT21		M020202	R030303	Leaf Training		transfer			WAM020202.SAU			Quarantined	
WAM020202.IT22		M020202	L050505	Leaf Training		transfer							
WAM020202.IT23		M020202	J413650	Leaf Training		transfer			WAM020202.SAV				
WAM020202.IT27		M020202	R030303	Leaf Training		transfer		VOID					
WAM020202.IT29		M020202	R030303	Leaf Training		transfer			WAM020202.SA1J	02/13/2018 04:08pm	02/14/2018 04:08pm	Quarantined	
WAM020202.IT6		M020202	R360307	Leaf Training		transfer				12/20/2017 01:26pm	12/21/2017 01:26pm		
WAM020202.IT7		M020202	R423784	Leaf Training		transfer						Quarantined	
WAM020202.IT8		M020202	R421797	Leaf Training		transfer							

PART THREE: Retailer Facility Workflows

Retailer Facility Workflow Diagram



Retailer Facility Workflow Steps Related to UI Workflows

Administrative Setup

Create User Profiles (UI ONLY)

To create a new user profile, navigate to 'Users→Add'.

The screenshot shows the 'Users Add' form in the LEAF Washington application. The form is titled 'Users Add' and includes the following elements:

- MJA ADMIN:** A checkbox that is currently unchecked.
- USE MFA:** A checkbox that is currently unchecked.
- FIRST NAME:** A text input field.
- LAST NAME:** A text input field.
- EMAIL:** A text input field.
- LOCALE:** A dropdown menu currently set to 'English'.
- EXTERNAL ID:** A text input field.
- Table:** A table with columns: DELETE, LICENSEE ID, +ADD, AUTH LEVEL, and CARD REG. NUMBER. The table contains one row with a delete icon (X), an empty LICENSEE ID field, an empty +ADD field, a dropdown menu set to 'disabled', and an empty CARD REG. NUMBER field.
- save:** A blue button at the bottom left.

1. **Use MFA:** *Do not check this box because SAW is being used to authenticate into Leaf Data Systems.* This feature has been deprecated and will be removed in a later release.
2. **First Name:** Type the first name of the user.
3. **Last Name:** Type the last name of the user.

4. **Email:** Enter the email address of the user.
5. **Locale:** Select the primary language of the user.
6. **External ID:** (optional field) Provides the ability to enter a secondary reference name/number for this record.
7. **Licensee ID:** From the drop-down menu, select the licensee(s) that the user should have access to.
8. **Delete:** Click the 'X' to delete a licensee row that has been added.
9. **Add:** Click the '+ADD' link to add more rows of licensees.
10. **Auth Level:** For each licensee that the user is assigned to, select an 'Authorization Level' from the drop-down menu.
 - a. 'View' allows a user to see information present in Leaf Data without the ability to perform data functions.
 - b. 'Edit' allows a user to view information in Leaf Data, as well as perform functions pertaining to day-to-day operations of the facility. The administrative setup functions described in this procedure are NOT able to be performed by a user with an 'edit' authorization level.
 - c. 'Admin' allows a user access to all information and all functionality within Leaf Data that may be viewed or performed by the associated Licensee ID.
 - d. 'Disabled' maintains a users profile in Leaf Data Systems while prohibiting the user from accessing the database.
11. **Card Reg. Number:** this field has been deprecated and will be removed in an upcoming release.
12. **Save:** Click the 'save' button to create the new user.

Viewing and Modifying Users

API:

- *Use the **"/users"** GET to retrieve data regarding users that have already been created*
- *Users may only be created and modified via the UI*

UI:

To view users that have been created within Leaf Data Systems, navigate to 'Users→View'. Use the filters and column headers to sort the data to find a specific record. To modify the record, click the 'pen' icon in the 'Modify' column of the line item you wish to modify. Update the information that has changed, and click the 'Save' button to update the record.

Users Export

LICENSEE ID LICENSEE NAME GLOBAL ID CARD REG. NUMBER USER NAME EMAIL

GLOBAL ID	EXTERNAL ID	LICENSEE ID	LICENSEE NAME	CARD REG. NUMBER	MODIFY	DELETE	PASSWORD RESET	RESET MFA	NAME	EMAIL	AUTH LEVEL
WASTATE1.US4	5287	STATE1	State						Karen Kaussner	karen@mjfreeway.com	admin
		G029843	PM Grow					admin			
		R123123	QA Retailer					admin			
		G12341	QA Grow					admin			
		LL-123123	QA LAB					admin			
M3452345	QA Processor					admin					
E928344	PM Coop					admin					
WASTATE1.US5		STATE1	State						Valerie Burns	valerie@mjfreeway.com	admin
		G12341	QA Grow					admin			
		LL-123123	QA LAB					admin			
		M3452345	QA Processor					admin			
		G12345	QA KS Producer					admin			
		L050505	Training Lab					admin			
		M020202	Training Processor					admin			
R030303	Training Retailer					admin					
G010101	Training Producer					admin					
		STATE1	State								admin
		G082365	DCGrower					admin			
		R288123	DCDispensary					admin			
		L075841	DCI Shop							admin	

« 1 2 »

Create Areas

API:

- To retrieve a list of created areas, use the **"/areas" GET call**
- To add areas, use the **"/areas" POST call**
- To modify areas, use the **"/areas/update" POST call**
- To delete areas, use the **"/areas" DELETE call**

UI:

1. Navigate to 'Data Entry→Areas'.
2. To create a new area, click the 'add' button in the upper-right corner of the screen.
3. Enter a name for the area, then select the corresponding area type.
4. Click the 'save' button to create the area.
5. Repeat steps 2-4 until all physical locations where plants and product may exist are represented within Leaf Data.

Create Strains

API:

- *To retrieve a list of created strains, use the `"/strains"` GET call*
- *To add strains, use the `"/strains"` POST call*
- *To modify strains, use the `"/strains/update"` POST call*
- *To delete strains, use the `"/strains"` DELETE call*

UI:

1. Navigate to 'Data Entry→Strains'.
2. To create a new strain, click the 'add' button in the upper-right corner of the screen.
3. Enter the strain name in the name field, then click the 'save' button to create the strain.
4. Repeat steps 3-4 until all strains that will be present at the facility are represented within Leaf Data.

Create Inventory Types

API:

- *To retrieve a list of created inventory_types, use the "/inventory_types" GET call*
- *To add inventory_types, use the "/inventory_types" POST call*
- *To modify inventory_types, use the "/inventory_types/update" POST call*
- *To delete inventory_types, use the "/inventory_types" DELETE call*

UI:

1. Navigate to 'Data Entry→Inventory Types'.
2. Click the 'add' button in the upper-right corner of the screen.
3. In the 'Name' field, enter a name for the new inventory type, for example, the strain name followed by descriptive wording, such as 'flower' or 'other material'.
4. Select the 'category' and 'sub-category' that represent the inventory type being created.
5. Select the unit of measure that corresponds to the inventory type being created: if the product is measured by its weight, select grams (gm) and if the product is measured by a piece count, select each (ea).
6. If applicable, complete the 'net weight (gm)' OR 'servings per unit' and 'serving size' fields (for end products only).
7. Once the form is complete, click the 'save' button to create the inventory type.

Inventory Type Examples for Retailers

End Products (Processors and Retailers)

End Products represent the discrete items created at Processing facilities that are transferred to Retailers for sale to consumer. Processors must manually create inventory types for the end products they intend to produce, whereas Retailers will have these automatically created in the system upon receipt of this inventory from Processors.

- The "name" should be as descriptive as possible
- The "uom" will always be "ea"
- The available "sub-category" selections are shown

NOTE: For "liquid edible", "solid edible", "topical", "capsules", "tinctures", "transdermal patches", and "suppository" sub-categories, the "serving size" and "servings per unit" fields must be completed (*not shown*). For "concentrate for inhalation", "infused mix", "packaged marijuana mix", and "sample jar", and "usable marijuana", the "weight per unit (gm)" field must be completed (*shown*).

Waste (All Licensees)

The Waste inventory type is automatically created upon addition of a destruction record. The inventory type is related to the physical waste inventory lot produced in the destruction workflow.

- The "name" is simply "waste"
- The "uom" will always be "gm"

Understanding Batches

The purpose of using batches to group together plant and inventory records is two-fold. Batches assist with creating the traceability that the system is designed to offer. As well, batches allow producers to manage plants in any phase in groups, which enables mass actions to be applied to numerous records simultaneously. Batches are not intended to constrain activities involving plant movement, as plants can be shifted from one batch to another and do not have exclusive relationships with batches they are added to.

Batch types include propagation material, plant, harvest, and intermediate/end product.

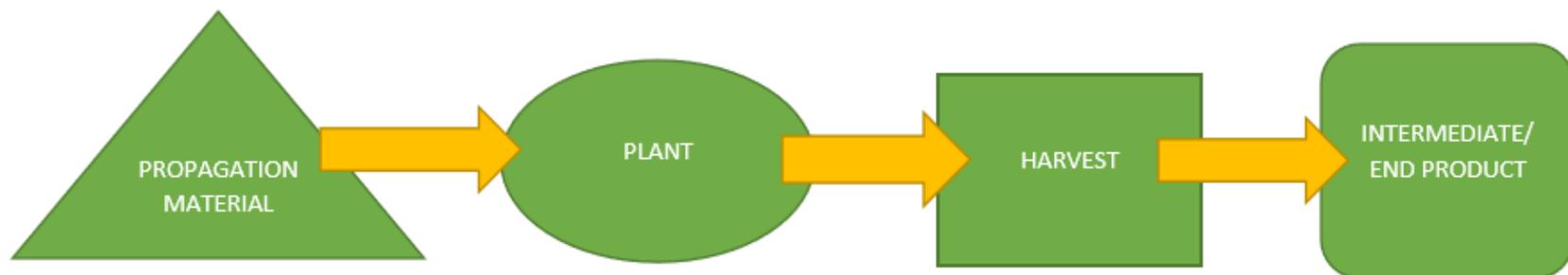
'Propagation Material' batches are used to create inventory lots of seeds, clones, mature plants and plant tissue so that these plants can be tracked as inventory throughout their propagation phase. As plants shift from their propagation to vegetative phase, they are moved to plants at which point the plant records are associated with a 'plant' type batch.

'Plant' batches are a group of plants from the same strain, that are growing together within their vegetative and flowering phases. Attributes of all of the plants within a batch can be modified at the batch level, which will apply changes across all of the plant records.

'Harvest' batches represent a group of harvested material that is all the same strain. These types of batches are used to denote both 'wet' and 'dry' weight of 'flower' and 'other material' produced during the harvest. Resultant dry weight from a harvest batch is separated into 'inventory lots'.

'Intermediate/end product' batches are batches that consist of multiple harvest batches being combined, for example, combining two different strains to make a blended concentrate product. They can also be comprised of a single harvest batch that has been converted into an intermediate or end product.

Visualization of the Batch Life Cycle



Inventory Functions

As product is packaged and prepared for sale, there are multiple functions that may be necessary to be performed. Once lots are created, they can be split into multiple lots, moved from area to area, and disposed of (either partially, or in full).

Splitting Lots

API:

- ***To split an inventory lot, use the `"/split_inventory"` workflow function***

UI:

1. Navigate to 'Data Entry→Lots' and click the checkbox on the line item of the lot that must be split.
2. In the filter menu of the page, enter the gram weight of the new lot to be created into the 'Qty' field (adjacent to the 'split selected lot' button).
3. Click the 'split selected lot' button.
4. The designated quantity will be shifted into its own lot, and the original lot will contain the remaining weight.

Moving Lots

API:

- ***To update the area of inventory lots, use the `"/inventories/update"` POST call***

UI:

1. Navigate to 'Data Entry→Lots' and click the checkbox on the line item of the lot that is being moved to a new physical location.
2. In the filter menu of the page, select the new area for the lot from the 'Move to Area' drop-down menu (adjacent to the 'move selected lots' button).
3. Click the 'move selected lots' button.
4. The designated lot will be shifted into the new area that has been selected.

Destructions

API:

To retrieve a list of created disposals, use the `"/disposals"` GET call

To add disposals, use the `"/disposals"` POST call

To modify disposals, use the `"/disposals/update"` POST call

To delete disposals, use the `"/disposals"` DELETE call

UI:

1. Navigate to 'Data Entry→Lots'.
2. Within the line item of the lots that is being adjusted due to a disposal, click the 'Dispose' icon at the far-right side of the record.
3. From the 'Source' drop-down menu, confirm that 'Inventory' is selected.
4. From the 'Lot' drop-down menu, confirm the global ID of the lot being destroyed.
5. Optionally, enter an 'External ID' value to associate with this destruction record.
6. From the 'Reason' drop-down menu, select the reason that is most appropriate for the destruction record being created.
7. In the 'Qty' field, enter the weight of the product that is being disposed of.
8. Click the 'save' button to create the new destruction record.
9. Once the record has been created, a resultant inventory lot representing the waste material will be created which can be found under 'Data Entry→Lots'.
10. Once the quarantine period is over, to document the physical disposal of the waste inventory, navigate to 'Data Entry→Destructions', find the line item of the destruction record, and click the 'Dispose' icon in the 'Dispose' column.

Inventory Adjustments

API:

To retrieve a list of created inventory_adjustments, use the "/inventory_adjustments" GET call

To add inventory_adjustments, use the "/inventory_adjustments" POST call

To delete inventory_adjustments, use the "/inventory_adjustments" DELETE call

UI:

1. Navigate to 'Data Entry→Inventory Adjustments'.
2. Click the 'add' button in the upper-right corner of the screen to create a new adjustment.
3. From the 'Lot' drop-down menu, select the lot that is to be adjusted.
4. In the 'Qty' field, enter the weight being adjusted from the package (and NOT the new package weight). For example, if 100 grams is being added to the lot, type "100", however, if 100 grams is being decremented from the lot, type "-100".
5. From the 'Reason' drop-down menu, select the reason that the adjustment is being documented.
6. *(Optional)* In the memo field, add any additional notes that better explain the reason for the adjustment.
7. Click the 'save' button.

Sales

API:

- *To retrieve a list of created sales, use the "/sales" GET call*
- *To add sales, use the "/sales" POST call*

UI:

1. Navigate to 'Data Entry→Sales'.
2. Click the 'Add' button in the upper-right corner of the screen.
3. From the 'Status' drop-down menu, select 'sale' or 'return', as appropriate for the transaction being entered.
4. From the 'Type' drop-down menu, select 'retail – medical' or 'retail – recreational'.
5. Click the 'Sold Date' field to access a calendar you may use to select the date the sale occurred.
6. From the 'Lot' drop-down menu, select the lot that the product sold came from.
7. In the 'Qty' field, enter the amount of the selected lot that was sold.
8. To add additional items, click the '+Add' link adjacent to the 'Lot' drop-down menu and repeat steps 6-8.
9. Click the 'save' button to create the sale records.

Inventory Transfers

Inventory Transfers are records that document the movement of inventory from one licensed facility (or testing laboratory) to another.

Three Different Manifest Types

When creating an inventory transfer, it is important to first understand the three types that are available.

A **Delivery** manifest is a standard transfer where the sender will be responsible for completing all of the transfer information, to include:

- a. The Recipient
- b. The Driver Name(s)
- c. Estimated Departure and Arrival Times
- d. Vehicle Information (License Plate, Vehicle Description, and Vehicle VIN)
- e. Inventory to be Transferred
- f. Price Total per line item

The general workflow of a **Delivery** manifest is that the sender is performing the physical transport of the inventory to the receiver. In this workflow, *only* the sending facility can mark the transfer as “in transit”.

A **Pickup** manifest allows for the receiver to fill out the driver, trip, and vehicle information (b, c, and d in the list above). This is designed to facilitate a workflow in which the receiver is performing the physical transport of the inventory.

With a **Pickup** manifest type, only the sender is able to mark the inventory transfer as “in transit”.

A **Licensed Transporter** manifest allows for the sending facility to select a licensed transporter business to perform the physical transport of the inventory. Upon selection of this manifest type, the driver and vehicle information are not necessary, and those fields are removed from the inventory transfer page.

Now that you understand the different types of inventory transfers/manifests available, let’s take a look at inventory transfer creation.

NOTE: “Multi-Stop” functionality is currently not available in Leaf Data Systems. This is being developed for a future release. PLEASE DO NOT SELECT the “Part of Multi-Stop” checkbox visible upon creating an inventory transfer. As well, the “Inventory Transfers/Deliveries” data entry listing and report will not be useable until this functionality has been completed.

How to Create an Inventory Transfer

API:

- **To retrieve a list of created inventory_transfers, use the "/inventory_transfers" GET call**
- **To add inventory_transfers, use the "/inventory_transfers" POST call**

UI:

First, navigate to 'Data Entry→Inventory Transfers':

The screenshot displays the LEAF Washington web application interface. The top navigation bar includes the LEAF logo, the text 'Washington', and several menu items: 'Data Entry', 'Reports', 'History', 'API', 'Users', and a search field with 'global id' and a 'GO' button. A secondary navigation bar features the word 'TRAINING' in large green letters, followed by 'Leaf @ Training Processor (production)' and a help icon. A dropdown menu is open under 'Data Entry', listing various options: Areas, Batches, Conversions, Destructions, Inventory Types, Inventory Adjustments, **Inventory Transfers** (highlighted with a yellow box), Inventory Transfer Deliveries, Lots, Strains, WSLCB Payment Gateway, and Import Manager. Below the dropdown, there is a 'MISCELLANEOUS' section with links for 'Authorized Users' and 'Data Uploads'. The main content area shows a 'Location changed' notification, a 'Reports' section with 'Inventory' (listing Batches, Destructions, Initial Inventories, Inventory Lots Report, and Lab Results), and a 'Plants' section (listing Batches and Destructions). The browser address bar at the bottom shows the URL: https://traceability-training.lcb.wa.gov/inventory_transfers.

The page displayed will show a listing of all inventory transfers that have been created at the facility. To create a new inventory transfer, click the 'Add' button in the upper-right corner, then click 'Inventory Transfers'.

LEAF DATA SYSTEMS Washington

Data Entry ▾ Reports ▾ History ▾ API ▾ Users ▾ global id GO

TRAINING Leaf @ Training Processor (production) ▾ ?

Inventory Transfers

Export ▾ CSV ▾ Add ▾
Inventory Transfers

LICENSEE ID TO LICENSEE ID BATCH ID GLOBAL ID

EXTERNAL ID DEPARTED DATE HAS SAMPLE ITEMS STATUS

GLOBAL ID	EXTERNAL ID	FROM LICENSEE ID	TO LICENSEE ID	SENT USER NAME	RECEIVED USER	TYPE	MODIFY	VOICE
WAG010101.IT1E		G010101	M020202	Leaf Training		transfer		
WAG010101.IT20		G010101	M020202	Leaf Training		transfer		
WAG010101.IT2K		G010101	M020202	Leaf Training		transfer		

The first section of the inventory transfer allows for selection of the manifest type (discussed in the previous section), and the ability to choose the intended recipient of the transfer.

The screenshot displays the LEAF Washington web application interface. The top navigation bar includes the LEAF logo, the text 'Washington', and several menu items: 'Data Entry', 'Reports', 'History', 'API', and 'Users'. A search bar contains the text 'global id' and a 'GO' button. Below the navigation bar, the word 'TRAINING' is prominently displayed in green, followed by the user's session information: 'Leaf @ Training Processor (production)'. The main content area is titled 'Inventory Transfers Add'. Under the heading 'STATUS', the value 'open' is shown. The 'EXTERNAL ID' field is an empty text input. The 'MANIFEST TYPE' is a dropdown menu currently set to 'Delivery'. To the right of this dropdown is a checkbox labeled 'PART OF MULTI-STOP', which is currently unchecked. The 'TO RECIPIENT' field is a dropdown menu showing 'Training Retailer (dispensary) - R030303'. Two yellow arrows are drawn on the page: one points from the 'PART OF MULTI-STOP' checkbox to the 'MANIFEST TYPE' dropdown, and the other points from the 'PART OF MULTI-STOP' checkbox to the 'TO RECIPIENT' dropdown.

Once you complete these two selections, scroll down to the next section.

For a manifest type of “delivery” the next section will look like this:

DRIVER*	DRIVER #2
<input type="text"/>	<input type="text"/>
EST DEPARTURE*	EST ARRIVAL*
<input type="text"/>	<input type="text"/>
LICENSE PLATE*	VEHICLE DESCRIPTION
<input type="text"/>	<input type="text"/>
VEHICLE VIN*	MANIFEST
<input type="text"/>	<input type="button" value="Choose File"/> No file chosen

For a manifest type of “pickup” the same section will look like this:

MANIFEST
<input type="button" value="Choose File"/> No file chosen

NOTE: The “Manifest” field that allows for upload of an external manifest (pdf) is not necessary if you are using the Leaf Data Systems user interface directly. Leaf will generate a manifest for you upon creation of the inventory transfer.

For a manifest type of “licensed transporter” the same section will look like this:

WHO WILL BE TRANSPORTING ITEM(S)? TRANSPORTING LICENSEE	
<input type="text"/>	
EST DEPARTURE*	EST ARRIVAL*
<input type="text"/>	<input type="text"/>
MANIFEST	
<input type="button" value="Choose File"/> No file chosen	

Complete all of the fields available based on the manifest type selected in the previous step, then scroll down.

Finally, you will need to select the inventory being transferred. There are a couple of other important designations related to this inventory.

DELETE	LOT	+ADD	QTY	UOM	FOR EXTRACTION	IS SAMPLE	SAMPLE TYPE	PRODUCT SAMPLE TYPE	RETEST?	PRICE TOTAL
X	<input type="text"/>	+ADD	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
<div style="display: flex; justify-content: space-between;"> save </div>										

Start typing the global ID or name of the inventory lot to be transferred. To add more lots, click the "+ADD" link above the field.

Select the quantity of the lot to be transferred.

The unit of measure is determined by the "inventory type" of the inventory lot.

If inventory being transferred from a Producer to a Processor is designated as being for extraction purposes, check this box

IS SAMPLE	SAMPLE TYPE
<input checked="" type="checkbox"/>	<input type="text"/>
<ul style="list-style-type: none"> Non-mandatory Sample Product Sample Lab Sample 	

Values entered into this field for each line item will generate a wholesale transaction record upon creation of the inventory transfer. This total represents the total price of the line item (not the unit price).

IS SAMPLE	SAMPLE TYPE	PRODUCT SAMPLE TYPE
<input checked="" type="checkbox"/>	Product Sample	<input type="text"/>
<ul style="list-style-type: none"> Budtender (educational) Sample Vendor Sample 		

For Samples, click the "is sample" checkbox to allow for selection of "Sample Type". "Sample Types" include:

- Non-Mandatory Sample-used to request non-mandatory testing from a QA lab (results will NOT appear in Leaf)
- Product Sample-used to designate educational and vendor samples, causing a secondary drop-down to appear for selection of "Product Sample" type
- Lab Sample—a sample being sent to a testing lab for required QA testing; selecting this sample type enables selection of the "Retest" checkbox to denote that an inventory lot is being retested

Once all of the applicable forms have been completed, click the 'Save' button to create the transfer.

Modifying an Inventory Transfer

API:

- *To modify inventory_transfers, use the "/inventory_transfers/update" POST call*

UI:

To modify an Inventory Transfer record that has been created, navigate to 'Data Entry→Inventory Transfers'. Search for the transfer you wish to modify and click the pen icon in the "Modify" column.

The screenshot shows the LEAF Washington Training Processor interface. The top navigation bar includes the LEAF logo, 'Washington', and various menu items like 'Data Entry', 'Reports', 'History', 'API', and 'Users'. A search bar contains 'global id' and a 'GO' button. The main content area is titled 'Inventory Transfers' and features a table with columns: GLOBAL ID, EXTERNAL ID, FROM LICENSEE ID, TO LICENSEE ID, SENT USER NAME, RECEIVED USER, TYPE, MODIFY, VOID, SALES GLOBAL ID, HOLD STARTS AT, and HOLD ENDS AT. The 'MODIFY' column is highlighted with a yellow box, and a mouse cursor is pointing at the pen icon for the record with GLOBAL ID WAM020202.IT29.

GLOBAL ID	EXTERNAL ID	FROM LICENSEE ID	TO LICENSEE ID	SENT USER NAME	RECEIVED USER	TYPE	MODIFY	VOID	SALES GLOBAL ID	HOLD STARTS AT	HOLD ENDS AT
WAM020202.IT22	M020202	L050505	Leaf Training	Leaf Training	transfer						
WAM020202.IT23	M020202	J413650	Leaf Training	Leaf Training	transfer				WAM020202.SAV		
WAM020202.IT27	M020202	R030303	Leaf Training	Leaf Training	transfer						
WAM020202.IT29	M020202	R030303	Leaf Training	Leaf Training	transfer				WAM020202.SA1J	02/13/2018 04:08pm	02/14/2018 04:08pm
WAM020202.IT6	M020202	R360307	Leaf Training	Leaf Training	transfer					12/20/2017 01:26pm	12/21/2017 01:26pm
WAM020202.IT7	M020202	R423784	Leaf Training	Leaf Training	transfer						
WAM020202.IT8	M020202	R421797	Leaf Training	Leaf Training	transfer						

This will take to back to a page similar to the screen where you created the transfer, and you can modify any information.

Viewing and Printing the Manifest

API:

- Manifests created through a third party software solution can be associated with the inventory transfer record by creating a base-64 encoded file and including it in the CREATE call

UI:

To view and print a manifest, navigate to “Data Entry→Inventory Transfers” (as in the previous step), and search for the inventory transfer record you wish to view the manifest for. Click the gear icon in the “Manifest” column of the line item. This will produce the following:

LEAF Washington | Data Entry | Reports | History | API | Users | global id | GO | TRAINING | Leaf @ Training Processor (production) | ?

Transportation Manifest

EMAIL FORM TO:

Transfer Manifest Title
MARIJUANA TRANSPORTATION MANIFEST
 MANIFEST ID: WAG010101-IT1E

DATE CREATED 01/24/2018 02:29pm	TRANSFER GLOBAL ID WAG010101-IT1E
DATE COMPLETED	
ORIGINATING ENTITY Training Producer - Leaf Training # 111 E 1st Ave Seattle WA 98111	DESTINATION ENTITY Training Processor 222 W 2nd Ave Seattle WA 98111
LICENSE # G010101	LICENSE # M020202
PHONE 2065551111	PHONE 2065551111

APPROXIMATE DEPARTURE:	01/23/2018 03:28pm	Product	
APPROXIMATE ARRIVAL:	01/24/2018 03:28pm	Gorilla Glue #4 Gorilla Glue #4 Flower WAG010101.JN5N WAG010101.BA6K	Wt/Qty
VEHICLE DESCRIPTION:	Val's Car		2001.0000 gm
VEHICLE VIN, LICENSE PLATE#:	12345678986746252 123ABC		

DRIVER NAME(S): Valerie Burns ,

SIGNATURE: _____

DATE: _____

PRODUCT REJECTION (if only a portion of a shipment is rejected, circle that portion above)

I confirm that the contents of this shipment match weight records entered above and I agree to take custody of portions of this shipment not circled above. Those portions circled were returned to the individual delivering this shipment.

NAME OF PERSON RECEIVING OR REJECTING PRODUCT: _____

SIGNATURE: _____

DATE: _____

To email the manifest, enter an email address and click the 'Send' button.

To print the manifest, click the 'Print' button.

NOTE: If you are unable to see the “gear” icon due to the word “Quarantine” in its place, this means that *AT LEAST ONE* of the inventory lots associated with the transfer does not have the appropriate lab results (or lab result attestation, for initial inventory) associated. Please double-check the lab results or lab results attestation for each lot.

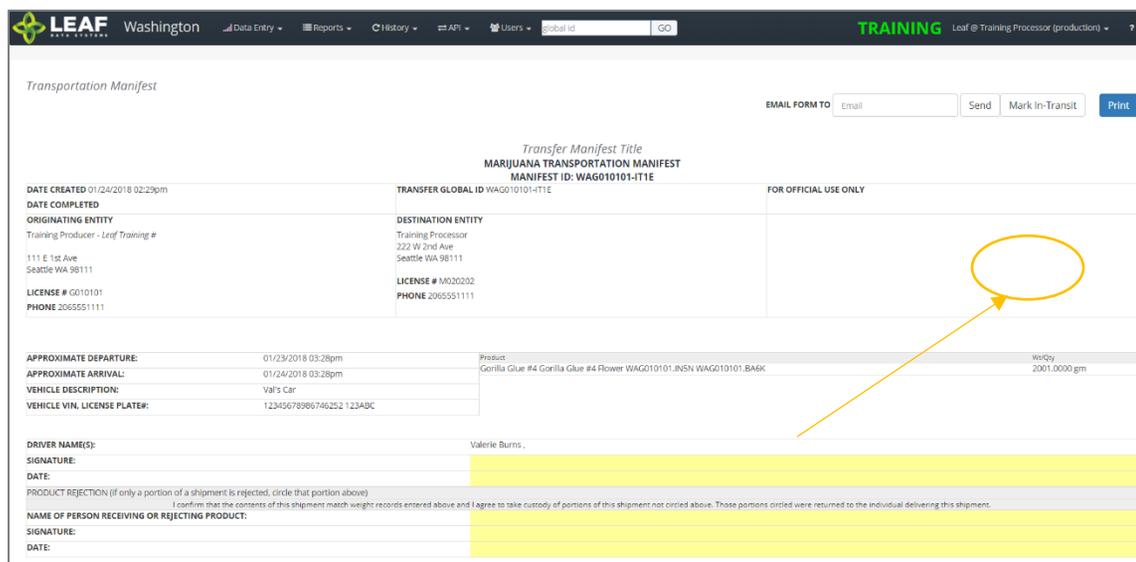
Marking an Inventory Transfer as “In Transit”

API:

To mark a transfer as “in transit”, use the *“/inventory_transfers_in_transit”* workflow function

UI:

From the manifest view (see previous step for navigation to manifest), click the “Mark In-Transit” button in the upper-right corner of the manifest. This will change the status of the manifest from “open” to “in-transit”. Once a manifest is designated as “in-transit”, it can no longer be modified, only received. If a manifest is marked as “in-transit” in error, the only option is to “Void” the manifest (see final section of this document) and re-create it.



The screenshot displays the LEAF Washington web application interface for a Marijuana Transportation Manifest. The page title is "Transportation Manifest". In the top right corner, there are buttons for "EMAIL FORM TO" (with an "Email" dropdown), "Send", "Mark In-Transit", and "Print". The "Mark In-Transit" button is circled in orange, with a yellow arrow pointing to it from the text on the left. The main content area shows manifest details:

Transfer Manifest Title		
MARIJUANA TRANSPORTATION MANIFEST		
MANIFEST ID: WAG010101-JT1E		
DATE CREATED: 01/24/2018 02:29pm	TRANSFER GLOBAL ID: WAG010101-JT1E	FOR OFFICIAL USE ONLY
DATE COMPLETED	DESTINATION ENTITY	
ORIGINATING ENTITY Training Processor - Leaf Training # 111 E 1st Ave Seattle WA 98111	Training Processor 222 W 2nd Ave Seattle WA 98111	
LICENSE # G010101	LICENSE # M020202	
PHONE 2065551111	PHONE 2065551111	
APPROXIMATE DEPARTURE: 01/23/2018 03:28pm	Product: Gorilla Glue #4 Gorilla Glue #4 Flower WAG010101-INSN WAG010101-BASK	Weight: 2001.0000 gm
APPROXIMATE ARRIVAL: 01/24/2018 03:28pm		
VEHICLE DESCRIPTION: Val's Car		
VEHICLE VIN, LICENSE PLATE#: 12345678906746252 123ADC		
DRIVER NAME(S): Valerie Burns,		
SIGNATURE:		
DATE:		
PRODUCT REJECTION (if only a portion of a shipment is rejected, circle that portion above) I confirm that the contents of this shipment match weight records entered above and I agree to take custody of portions of this shipment not circled above. Those portions circled were returned to the individual delivering this shipment.		
NAME OF PERSON RECEIVING OR REJECTING PRODUCT:		
SIGNATURE:		
DATE:		

For a “pickup” manifest, once the sender has created the manifest record, the receiver should navigate to “Reports→Inventory Transfers/Ready-for-Pickup”. Then, search for the manifest that is ready for pickup, and click the pen icon in the “Driver” column. This will allow the receiver to complete the driver and vehicle information pertaining to the transfer.

GLOBAL ID	EXTERNAL ID	FROM LICENSEE ID	TO LICENSEE ID	SENT USER NAME	RECEIVED USER	TYPE	SALES GLOBAL ID	HOLD STARTS AT	HOLD ENDS AT	MANIFEST	EXTERNAL MANIFEST	DRIVER	STATUS
WAM020202.IT11M		M020202	L050505	Leaf Training		transfer							ready-for-pickup
WAM020202.IT21		M020202	R030303	Leaf Training		transfer	WAM020202.SAU			Quarantined			ready-for-pickup
WAM020202.IT23		M020202	J113650	Leaf Training		transfer	WAM020202.SAV						ready-for-pickup
WAM020202.IT7		M020202	R423784	Leaf Training		transfer				Quarantined			ready-for-pickup

Receiving an Inventory Transfer

API:

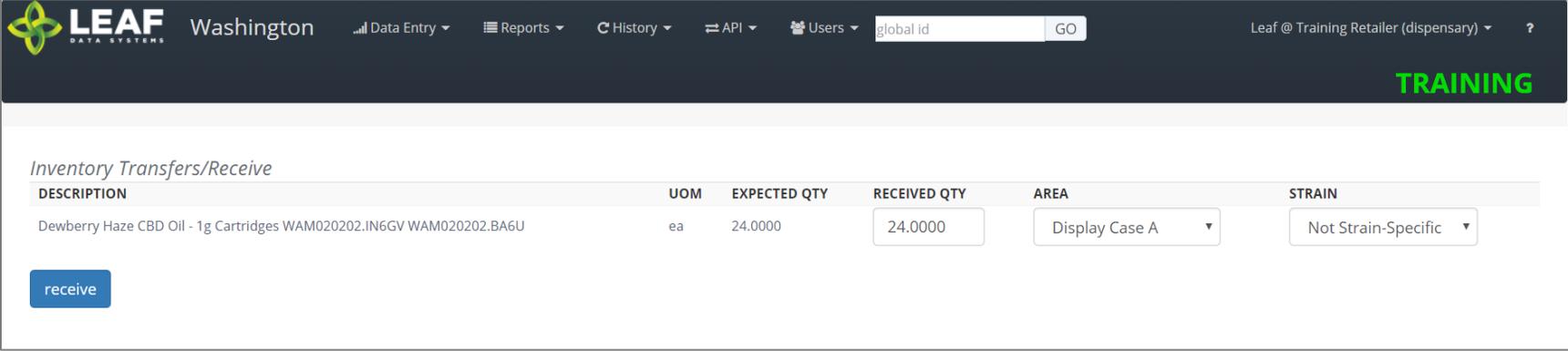
- *To receive an inventory transfer, use the `"/inventory_transfers/api_receive"` (receive transfer) workflow function*

UI:

Once an inventory transfer has been marked as “in-transit”, receiver can accept the inventory into their facility by navigating to “Reports→Inventory Transfers/Receive”.

GLOBAL ID	EXTERNAL ID	RECEIVE	STATUS	TYPE	TYPE	FROM LICENSEE	TO LICENSEE	FROM USER	TO USER	TRANSFERRED DATE	DEPARTED DATE	EST ARRIVAL	DETAILS
WAM020202.IT21			ready-for-pickup	inventory	transfer	Training Processor	Training Retailer	Leaf Training	Leaf Training				
WAM020202.IT27			in-transit	inventory	transfer	Training Processor	Training Retailer	Leaf Training	Leaf Training	02/08/2018 05:30pm			
WAM020202.IT29			open	inventory	transfer	Training Processor	Training Retailer	Leaf Training	Leaf Training		02/12/2018 05:06pm	02/13/2018 05:06pm	

Search for the transfer to be received, then click the gear icon in the “Receive” column. On the screen that appears (below), enter the received quantities for each line item of the transfer. Select an ‘Area’ from the drop-down menu to receive the inventory into. Finally, if the product is strain-specific, select the local strain associated with it. If it is not strain-specific, the default value in this field will denote this.



LEAF DATA SYSTEMS Washington

Data Entry ▾ Reports ▾ History ▾ API ▾ Users ▾ global id GO Leaf @ Training Retailer (dispensary) ▾ ?

TRAINING

Inventory Transfers/Receive

DESCRIPTION	UOM	EXPECTED QTY	RECEIVED QTY	AREA	STRAIN
Dewberry Haze CBD Oil - 1g Cartridges WAM020202.IN6GV WAM020202.BA6U	ea	24.0000	24.0000	Display Case A ▾	Not Strain-Specific ▾

receive

Click the 'receive' button once all of the information for each line item has been completed.

Voiding an Inventory Transfer

API:

- **To void an inventory transfer, use the `"/inventory_transfers/void"` workflow function**

UI:

To void an Inventory Transfer record that has been created, navigate to 'Data Entry → Inventory Transfers'. Search for the transfer you wish to modify and click the eraser icon in the "Void" column. Once a manifest has been voided, it will say "VOID" in red in this column.

LEAF DATA SYSTEMS Washington Data Entry Reports History API Users **TRAINING** Leaf @ Training Processor (production) ?

Manifest voided

Inventory Transfers Export CSV Add

LICENSEE ID TO LICENSEE ID BATCH ID GLOBAL ID EXTERNAL ID DEPARTED DATE HAS SAMPLE ITEMS

STATUS

GLOBAL ID	EXTERNAL ID	FROM LICENSEE ID	TO LICENSEE ID	SENT USER NAME	RECEIVED USER	TYPE	MODIFY	VOID	SALES GLOBAL ID	HOLD STARTS AT	HOLD ENDS AT	MANIFEST	EXTER
WAM020202.IT21		M020202	R030303	Leaf Training		transfer			WAM020202.SAU			Quarantined	
WAM020202.IT22		M020202	L050505	Leaf Training		transfer							
WAM020202.IT23		M020202	J413650	Leaf Training		transfer			WAM020202.SAV				
WAM020202.IT27		M020202	R030303	Leaf Training		transfer		VOID					
WAM020202.IT29		M020202	R030303	Leaf Training		transfer			WAM020202.SA1J	02/13/2018 04:08pm	02/14/2018 04:08pm	Quarantined	
WAM020202.IT6		M020202	R360307	Leaf Training		transfer				12/20/2017 01:26pm	12/21/2017 01:26pm		
WAM020202.IT7		M020202	R423784	Leaf Training		transfer						Quarantined	
WAM020202.IT8		M020202	R421797	Leaf Training		transfer							

PART FOUR: API Endpoints and Workflow Functions (all Licensees)

Areas

Areas represent physical locations at licensed facilities where plants and inventory will be located. The types of areas are 'quarantine' or 'non-quarantine'. Areas with a 'quarantine' designation are for circumstances such as waste/destruction hold periods, QA quarantine periods, or transfer hold periods as the licensee decides to use them.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>created_at</i>	The date an area was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>deleted_at</i>	The date an area was deleted	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
external_id*	An optional free-form field used to hold any identifying factors of a particular area	varchar(40)	up to 40 characters	"AREA1234567"
global_id	Auto-generated unique ID for the area	varchar(255)	up to 255 characters	"WAX123456.AR1Z2Y3"
is_quarantine_area	This item has been deprecated and will be removed in a future release			
name*	Name of an area	varchar(255)	up to 255 characters	"Storage Room"
type*	Identifier of the area type; this designation does not drive any system logic and only serves as a label for licensees to designate "quarantine" status of an area based on their desire for the label (not related to any industry rules)	enum	quarantine, non-quarantine	"quarantine"
<i>updated_at</i>	The date an area was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"

* = modifiable; <bold> = required field; <italics> = returned value; = deprecated value, pending removal

Filters

No filters available

Available Functions

- Get Areas
- Create Areas
- Update Areas
- Delete Areas

Get Areas

Returns all areas within a licensed facility

Request

GET <https://watest.leafdatazone.com/api/v1/areas>

Example Response

```
{
  "total": 1,
  "per_page": 2500,
  "current_page": 1,
  "last_page": 1,
  "next_page_url": null,
  "prev_page_url": null,
  "from": 1,
  "to": 1,
  "data": [{
    "created_at": "12/20/2017 02:15pm",
    "updated_at": "12/20/2017 02:15pm",
    "external_id": "",
    "name": "Scott Grow",
    "type": "quarantine",
    "deleted_at": null,
    "is_quarantine_area": null,
    "global_id": "WAL050505.AR6F"
  }]
}
```

Create Areas

Provides the ability to create an area within a licensed facility

Request

POST <https://watest.leafdatazone.com/api/v1/areas>

Example Request

```
{
  "area": [{
    "name": "Scott Vault",
    "type": "non-quarantine",
    "external_id": "Backroom vault"
  }]
}
```

Example Response

```
[{
  "name": "Scott Vault",
  "type": "non-quarantine",
  "external_id": "Backroom vault",
  "updated_at": "12/20/2017 07:08pm",
  "created_at": "12/20/2017 07:08pm",
  "global_id": "WAL050505.AR6M"
}]
```

Update Areas

Update areas within a licensed facility

Request

POST <https://watest.leafdatazone.com/api/v1/areas/update>

Example Request

```
{
  "area": {
    "name": "Scott Vault",
    "type": "quarantine",
    "external_id": "Frontroom Vault",
    "global_id": "WAL050505.AR6M"
  }
}
```

Example Response

```
{
  "created_at": "12/20/2017 07:08pm",
  "updated_at": "12/20/2017 07:37pm",
  "external_id": "Frontroom Vault",
  "name": "Scott Vault",
  "type": "quarantine",
  "deleted_at": null,
  "is_quarantine_area": 0,
  "global_id": "WAL050505.AR6M"
}
```

Delete Areas

Provides the ability to delete an area within a licensed facility

SPECIAL NOTE FROM THE LCB REGARDING DELETION OF RECORDS:

Deleting records should be done as a last resort. The adjustment function should ALWAYS be the first tool used to correct any user error.

If the adjustment function does not resolve your issue, you will need LCB approval before you use the delete function. Please follow the steps below to obtain approval.

Email MJExaminer@lcb.wa.gov

Include your license number, trade name, a screen shot of the record(s) you want to delete from your system and brief explanation as to why this record must be permanently removed from your system.

LCB will review the request and respond accordingly.

LCB wants to ensure compliance, accurate data and that the deletion of one record will not break associations to other data.

Records that have associations to other data, if deleted, “break” that association. For example, once records such as “areas”, “strains”, and “inventory types” are related to batches/plants/inventory lot, deleting these records will “break” the batch/plant/inventory lot that no longer has the necessary correspondences to exist. “Areas”, for instance, are required for all batches that are created. If an area that is associated with a batch is deleted, the batch will no longer function properly. MJ Freeway cannot restore the deleted data.

DELETING RECORDS IN LEAF DATA SYSTEMS IS AN IRREVERSIBLE ACTION.

Request

DELETE https://watest.leafdatazone.com/api/v1/areas/{global_area_id}

Example Request

DELETE <https://watest.leafdatazone.com/api/v1/areas/WAL050505.AR6F>

Batches

Batch types include propagation material, plant, harvest, and intermediate/ end product.

'Propagation Material' batches are used to create inventory lot of seeds, clones, and plant tissue so that these plants can be tracked as inventory throughout their propagation phase. As plants shift from their propagation to vegetative phase, they are moved to plants (see `/move_inventory_to_plants` API call), at which point the plant records are associated with a 'plant' type batch.

'Plant' batches are a group of plants from the same strain, that are growing together within their vegetative and flowering phases. Attributes of all of the plants within a batch can be modified at the batch level, which will apply changes across all of the plant records. Additionally, plant records can be modified individually (see the `/plants` endpoint).

'Harvest' batches represent a group of harvested material that is all of the same strain. These types of batches are used to denote both 'wet' and 'dry' weight of 'flower' and 'other material' produced during the harvest. Resultant dry weight from a harvest batch is separated into 'inventory lots'. While initial inventory in a harvest stage can be created at the 'batch' endpoint, in a general workflow they are made by using the `/harvest_plants` API call.

'Intermediate/ end product' batches are batches that consist of multiple harvest batches being combined, for example, combining two different strains to make a blended concentrate product.

The purpose of using batches to group together plant and inventory records is two-fold. Batches assist with creating the traceability that the system is designed to offer. As well, batches allow producers to manage plants in any phase in groups, which enables mass actions to be applied to numerous records simultaneously. Batches are not intended to constrain activities involving plant movement, as plants can be shifted from one batch to another and do not have exclusive relationships with batches they are added to.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>area_name</i>	Name of the area where the batch is located	varchar(255)	up to 255 characters	"Storage Room"
<i>batch_created_at</i>	The date/time a batch was created	datetime	mm/dd/yyyy hh:mmXM	"2018-02-01 12:34:05"
<i>created_at</i>	The date/time a batch was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>deleted_at</i>	The date/time a batch was deleted	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>est_harvest_at</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>external_id*</i>	An optional free-form field used to hold any identifying factors of a particular batch	varchar(40)	up to 40 characters	"BATCH1234567"
<i>flower_dry_weight*</i>	The total dry weight of the flower associated with the batch	decimal(14,2)	1234.56	"1234.56"
<i>flower_waste*</i>	The total waste weight associated with "flower" produced from harvest	decimal(14,2)	1234.56	"1234.56"
<i>flower_wet_weight*</i>	The total wet weight of the flower associated with the batch	decimal(14,2)	1234.56	"1234.56"
<i>global_area_id*</i>	The global ID of the area where the batch is located	varchar(255)	WAX123456.AR1Z2Y3	"WAX123456.AR1Z2Y3"
<i>global_id</i>	Auto-generated unique ID for the batch	varchar(255)	up to 255 characters	"WAX123456.BA1Z2Y3"
<i>global_flower_area_id*</i>	For "harvest" batches, the global ID of the area where the "flower" associated with this batch is located	varchar(255)	up to 255 characters	"WAX123456.AR1Z2Y3"
<i>global_mother_plant_id*</i>	For "propagation material" batches, the global ID of the mother plant from which the plants were derived	varchar(255)	up to 255 characters	"WAX123456.PL1Z2Y3"
<i>global_other_area_id*</i>	For "harvest" batches, the global ID of the area where the "other material" associated with this batch is located	varchar(255)	up to 255 characters	"WAX123456.AR1Z2Y3"
<i>global_mme_id</i>	The global ID of the licensee that the batch belongs to	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
<i>global_strain_id*</i>	The global ID of the strain specific to the batch; required for all batch types except "intermediate/ end product" , where strain-specificity is optional)	varchar(255)	up to 255 characters	"WAX12346.ST1Z2Y3"

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>global_user_id</i>	The global ID of the user who created the batch	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
harvest_stage*	For "harvest" batches, the stage of the harvest process; only used for batches of "type" = "harvest"	enum	wet, cure, finished	"finished"
harvested_at*	For harvested batches, the date/time of harvest; only required for batches of "type" = "harvest"	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
harvested_end_at*	The date/time at which the harvest of the batch ended; only required for batches of "type" = "harvest"	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
is_child_batch*	Indicates that this batch is the product of a previous batch (or batches)	boolean	0, 1	"1"
is_parent_batch*	Indicates that later generations of batches have been created from this batch	boolean	0, 1	"1"
<i>mme_code</i>	Licensee ID of the licensee that the batch belongs to	varchar(255)	up to 255 characters	"X123456"
<i>mme_name</i>	Name of the licensee that the batch belongs to	varchar(255)	up to 255 characters	"Training Producer"
num_plants*	The number of plants that are in the batch; only used for batches of "type" = "propagation material", "plant", and "harvest"	integer(11)	35	"35"
origin*	Indicates propagation source of the batch; this field is required for batches of type='plant' or 'propagation material'	enum	seed, clone, plant, tissue	"clone"
other_dry_weight*	The total dry weight of the other material associated with the batch	decimal(14,2)	1234.56	"1234.56"
other_waste*	The total waste weight associated with "other material" produced from harvest	decimal(14,2)	1234.56	"1234.56"
other_wet_weight*	The total wet weight of the other material associated with the batch	decimal(14,2)	1234.56	"1234.56"
packaged_completed_at*	For "intermediate/ end product" batches, the date the product was packaged; required when batch 'type'='intermediate/ end product'	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"

Parameter	Description	Type	Valid Entries (for WA)	Example
plant_stage*	Current development stage of the plants in the batch	enum	propagation source, growing, harvested, packaged, destroyed	"growing"
planted_at	This parameter has been deprecated and will be removed in an upcoming release			
qty_accumulated_waste	This parameter has been deprecated and will be removed in an upcoming release			
qty_cure	This parameter has been deprecated and will be removed in an upcoming release			
qty_harvest	This parameter has been deprecated and will be removed in an upcoming release			
qty_packaged_by_product	Accumulated weight of the plant material that is classified as packaged "other material" (in grams); these values are derived from the total "other material" that has been created with the "finish batch" workflow function	decimal(14,2)	1234.56	"1234.56"
qty_packaged_flower	Accumulated weight of the plant material that is classified as packaged "flower" (in grams); these values are derived from the total "other material" that has been created with the "finish batch" workflow function	decimal(14,2)	1234.56	"1234.56"
source	This parameter has been deprecated and will be removed in an upcoming release			
status	Identifier for the status of the batch	enum	open, closed	"open"
strain_name	Name of the strain associated with the batch	varchar(255)	up to 255 characters	"Dewberry Haze"
type*	Indicates the type of batch	enum	propagation material, plant, harvest, intermediate/ end product	"harvest"
uom*	The unit of measure used to quantify the quantity harvested for this batch (only used for harvest batches, should be set to "gm")	enum	gm	"gm"
updated_at	The date/time a batch was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
waste	Accumulated weight of the plant material that is represented as waste (in grams)	decimal(14,2)	1234.56	"1234.56"

* = modifiable; <bold> = required field; <italics> = returned value; = deprecated value, pending removal

Filters

Parameter	Filter
external_id	?f_external_id={external_id}
global_id	?f_global_id={global_id}
harvested_at	?f_harvested_at1={mm}%2F{dd}%2F{yyyy}&f_harvested_at2={mm}%2F{dd}%2F{yyyy}
planted_at	?f_planted_at1={mm}%2F{dd}%2F{yyyy}&f_planted_at2={mm}%2F{dd}%2F{yyyy}
status	?f_status={status} (does not work for batches of "type"="intermediate/ end product")
type	?f_type={type}

Available Functions

- Get Batches
- Create Batches
- Update Batches
- Delete Batches

Get Batches

Returns all batches within a licensed facility

Request

GET <https://watest.leafdatazone.com/api/v1/batches>

Example Request

GET <https://watest.leafdatazone.com/api/v1/batches>

Response

```
{
  "total": 2,
  "per_page": 2500,
  "current_page": 1,
  "last_page": 1,
  "next_page_url": null,
  "prev_page_url": null,
  "from": 1,
  "to": 2,
  "data": [{
    "created_at": "03/22/2018 02:50pm",
    "updated_at": "07/19/2018 11:29am",
    "external_id": "",
    "planted_at": "03/22/2017",
    "harvested_at": "03/22/2018",
    "batch_created_at": "2018-03-22 14:50:02",
    "num_plants": 2,
    "status": "open",
    "qty_harvest": "2.00",
    "uom": "gm",
    "is_parent_batch": 0,
    "is_child_batch": 1,
    "type": "harvest",
    "harvest_stage": "cure",
    "qty_accumulated_waste": "0.00",
```

```

"qty_packaged_flower": "98.00",
"qty_packaged_by_product": "195.00",
"est_harvest_at": "",
"packaged_completed_at": "",
"origin": "seed",
"source": "inhouse",
"qty_cure": "7970.00",
"plant_stage": "harvested",
"deleted_at": null,
"flower_dry_weight": "3970.00",
"waste": "250.00",
"other_waste": "0.00",
"flower_waste": "0.00",
"other_dry_weight": "4000.00",
"harvested_end_at": "",
"flower_wet_weight": "100.00",
"other_wet_weight": "200.00",
"global_id": "WAG010101.BAR8",
"global_area_id": "WAG010101.AR64",
"area_name": "Harvest Room",
"global_mme_id": "WASTATE1.MM18",
"mme_name": "Training Producer",
"mme_code": "G010101",
"global_user_id": "WASTATE1.US13",
"global_strain_id": "WAG010101.ST4Y",
"strain_name": "Harlequin",
"global_mother_plant_id": null,
"global_flower_area_id": "WAG010101.AR65",
"global_other_area_id": "WAG010101.AR65"
},
{
"created_at": "03/29/2018 12:55pm",
"updated_at": "03/29/2018 12:55pm",
"external_id": "",
"planted_at": "",
"harvested_at": "",
"batch_created_at": "2018-03-22 09:58:00",
"num_plants": 4,
"status": "open",
"qty_harvest": "0.00",

```

```

"uom": "ea",
"is_parent_batch": 1,
"is_child_batch": 1,
"type": "plant",
"harvest_stage": null,
"qty_accumulated_waste": "0.00",
"qty_packaged_flower": "0.00",
"qty_packaged_by_product": "0.00",
"est_harvest_at": "",
"packaged_completed_at": "",
"origin": "",
"source": "inhouse",
"qty_cure": "0.00",
"plant_stage": "growing",
"deleted_at": null,
"flower_dry_weight": "0.00",
"waste": "0.00",
"other_waste": "0.00",
"flower_waste": "0.00",
"other_dry_weight": "0.00",
"harvested_end_at": "",
"flower_wet_weight": "0.00",
"other_wet_weight": "0.00",
"global_id": "WAG010101.BAS7",
"global_area_id": "WAG010101.AR63",
"area_name": "Vegetation Room A",
"global_mme_id": "WASTATE1.MM18",
"mme_name": "Training Producer",
"mme_code": "G010101",
"global_user_id": "WASTATE1.US18",
"global_strain_id": "WAG010101.ST4Y",
"strain_name": "Harlequin",
"global_mother_plant_id": null,
"global_flower_area_id": null,
"global_other_area_id": null

```

```

}
```

```

]
```

```

}
```

Create Batches

Provides the ability to create batches within a licensed facility

Request

POST <https://watest.leafdatazone.com/api/v1/batches>

Example Request

```
{
  "batch" :[{
    "type": "propagation material",
    "origin": "seed",
    "global_area_id": "WAG010101.AR96",
    "global_strain_id": "WAG010101.ST4Y",
    "num_plants": "35"    }]
}
```

Example Response

```
[
  {
    "type": "propagation material",
    "origin": "seed",
    "num_plants": "35",
    "batch_created_at": "2018-09-01 15:14:38",
    "harvested_at": "",
    "harvest_stage": "",
    "updated_at": "09/01/2018 03:14pm",
    "created_at": "09/01/2018 03:14pm",
    "global_id": "WAG010101.BA5ME",
    "global_mme_id": "WASTATE1.MM18",
    "global_user_id": "WASTATE1.US5",
    "global_strain_id": "WAG010101.ST4Y",
    "global_area_id": "WAG010101.AR96",
    "global_mother_plant_id": null,
    "global_flower_area_id": null,
    "global_other_area_id": null,
    "global_child_batch_ids": []
  }
]
```

Update Batches

Update batches within a licensed facility; Please note, batches of 'type'='harvest' may not be modified as the 'Cure Batch' and 'Finish Batch' workflow functions should be used

Request

POST <https://watest.leafdatazone.com/api/v1/batches/update>

Example Request

```
{
  "batch" :{
    "global_id": "WAG010101.BA666",
    "plant_stage": "growing",
    "global_area_id": "WAG010101.AR2K"
  }}
}
```

Example Response

```
{
  "created_at": "09/01/2018 03:14pm",
  "updated_at": "09/01/2018 03:19pm",
  "external_id": "",
  "planted_at": "",
  "harvested_at": "",
  "batch_created_at": "2018-09-07 15:14:38",
  "num_plants": "35",
  "status": "open",
  "qty_harvest": "0.00",
  "uom": "ea",
  "is_parent_batch": 0,
  "is_child_batch": 0,
  "type": "plant",
  "harvest_stage": "",
  "qty_accumulated_waste": "0.00",
  "qty_packaged_flower": "0.00",
  "qty_packaged_by_product": "0.00",
  "est_harvest_at": "",
  "packaged_completed_at": "",
  "origin": "seed",
  "source": "inhouse",
}
```

```
"qty_cure": "0.00",  
"plant_stage": "growing",  
"deleted_at": null,  
"flower_dry_weight": "0.00",  
"waste": "0.00",  
"other_waste": "0.00",  
"flower_waste": "0.00",  
"other_dry_weight": "0.00",  
"harvested_end_at": "",  
"flower_wet_weight": "0.00",  
"other_wet_weight": "0.00",  
"global_id": "WAG010101.BA5ME",  
"global_mme_id": "WASTATE1.MM18",  
"global_user_id": "WASTATE1.US5",  
"global_strain_id": "WAG010101.ST4Y",  
"global_area_id": "WAG010101.AR63",  
"global_mother_plant_id": null,  
"global_flower_area_id": null,  
"global_other_area_id": null  
}
```

Delete Batches

Provides the ability to delete a batch within a licensed facility

SPECIAL NOTE FROM THE LCB REGARDING DELETION OF RECORDS:

Deleting records should be done as a last resort. The adjustment function should ALWAYS be the first tool used to correct any user error.

If the adjustment function does not resolve your issue, you will need LCB approval before you use the delete function. Please follow the steps below to obtain approval.

Email MJExaminer@lcb.wa.gov

Include your license number, trade name, a screen shot of the record(s) you want to delete from your system and brief explanation as to why this record must be permanently removed from your system.

LCB will review the request and respond accordingly.

LCB wants to ensure compliance, accurate data and that the deletion of one record will not break associations to other data.

Records that have associations to other data, if deleted, “break” that association. For example, once records such as “areas”, “strains”, and “inventory types” are related to batches/plants/inventory lot, deleting these records will “break” the batch/plant/inventory lot that no longer has the necessary correspondences to exist. “Areas”, for instance, are required for all batches that are created. If an area that is associated with a batch is deleted, the batch will no longer function properly. MJ Freeway cannot restore the deleted data.

DELETING RECORDS IN LEAF DATA SYSTEMS IS AN IRREVERSIBLE ACTION.

Request

```
DELETE https://watest.leafdatazone.com/api/v1/batches/{global_batch_id}
```

Example Request

```
DELETE https://watest.leafdatazone.com/api/v1/batches/WAG050505.BADK
```

Disposals

Disposal records (referred to as "Destructions" within the UI) are inventory lots of waste that are created so that they can be segregated from other inventory to undergo their 72-hour hold process. Once this time period has elapsed, physical destruction of the lots may be performed. This can be accomplished through the "dispose_item" API call.

Disposal records can be created from harvest batches (any waste associated with a harvest batch), inventory lots, or recorded as daily plant waste.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
batch_type	This parameter has been deprecated and will be removed in an upcoming release			
<i>created_at</i>	The date/time a disposal record was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>deleted_at</i>	The date/time a disposal record was deleted	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
disposal_at*	The date when the lot is scheduled to be physically destroyed (accounting for 72-hour hold period from creation of destruction record)	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
disposal_cert	This parameter has been deprecated and will be removed in an upcoming release			
external_id*	An optional free-form field used to hold any identifying factors of a particular disposal record	varchar(40)	up to 40 characters	"DISP1234567"
global_area_id*	The global ID of the area where the disposal lot is located	varchar(255)	WAX123456.AR1Z2Y3	"WAX123456.AR1Z2Y3"
global_batch_id*	If "source" = "batch", the global ID of the batch that all or part of is being destroyed; required only if "source" = "batch"	varchar(255)	up to 255 characters	"WAX12346.BA1Z2Y3"
global_id	Auto-generated unique ID for the disposal record	varchar(255)	up to 255 characters	"WAX123456.DI1Z2Y3"
global_inventory_id*	If "source" = "inventory", the global ID of the inventory lot that all or part of is being destroyed; required only if "source" = "inventory"; NOTE: this value refers to the source inventory global ID	varchar(255)	up to 255 characters	"WAX12346.IN1Z2Y3"

Parameter	Description	Type	Valid Entries (for WA)	Example
	for the inventory being disposed, not the waste inventory lot created			
<i>global_mme_id</i>	The global ID of the licensee that the disposal record belongs to	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
global_plant_id*	If "source" = "plant", the global ID of the plant that all or part of is being destroyed; required only if "source" = "plant"	varchar(255)	up to 255 characters	"WAX12346.PL1Z2Y3"
<i>global_user_id</i>	The global ID of the user who created the disposal record	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
<i>hold_ends_at*</i>	The date/time when the mandated 72-hour hold ends for this destruction record; this value is returned upon creation of a disposal record, then becomes modifiable with an update of a disposal record	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>hold_starts_at*</i>	The date/time when the mandated 72-hour hold begins for this destruction record; this value is returned upon creation of a disposal record, then becomes modifiable with an update of a disposal record	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
method	This parameter has been deprecated and will be removed in an upcoming release			
phase	This parameter has been deprecated and will be removed in an upcoming release			
qty*	The weight or piece count of the destruction lot	decimal(14,2)	1234.56	"1234.56"
reason*	The reason for the destruction	enum	valid reasons if 'source'='harvest': failed qa, infestation, quality control, returned, spoilage, unhealthy, mandated, waste, other; valid reasons if 'source'='daily_plant_waste': pruning, infestation, quality control, unhealthy, mandated; valid reasons if 'source'='inventory': failed qa, quality control, returned, spoilage, mandated, other	"infestation"
source*	The source record type for the destruction	enum	daily_plant_waste, plant, inventory, batch	"daily_plant_waste"

Parameter	Description	Type	Valid Entries (for WA)	Example
type	This parameter has been deprecated and will be removed in an upcoming release			
<i>uom</i>	The uom associated with the inventory being disposed of	enum	gm, ea	"gm"
<i>updated_at</i>	The date/time a disposal record was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
whole_plant*	If the disposal "source" is "plant", this parameter distinguishes whether the whole plant or only part of it is being disposed of (if whole plant, then "plant_stage" of plant will be shifted to "destroyed")	boolean	1, 0	"1"

* = modifiable; <bold> = required field; <italics> = returned value; = deprecated value, pending removal

Filters

Parameter	Filter
disposal_at	?f_date1={mm}%2F{dd}%2F{yyyy}&f_date2={mm}%2F{dd}%2F{yyyy}
external_id	?f_external_id={external_id}
global_batch_id	?f_batch_id={global_batch_id}
global_id	?f_global_id={global_id}
global_plant_id	?f_plant_id={global_plant_id}

Available Functions

- Get Disposals
- Create Disposals
- Update Disposals
- Delete Disposals

Get Disposals

Returns all disposals within a licensed facility

Request

GET <https://watest.leafdatasystems.com/api/v1/disposals>

Response

```
{
  "total": 1,
  "per_page": 2500,
  "current_page": 1,
  "last_page": 1,
  "next_page_url": null,
  "prev_page_url": null,
  "from": 1,
  "to": 1,
  "data": [{
    "created_at": "12/1/2017 09:12am",
    "updated_at": "12/1/2017 09:12am",
    "hold_starts_at": "12/1/2017 09:12am",
    "hold_ends_at": "12/1/2017 09:12am",
    "external_id": "",
    "whole_plant": null,
    "reason": "quality control",
    "method": "",
    "disposal_at": "12/4/2017 09:12am",
    "phase": "",
    "type": null,
    "qty": "200.0000",
    "uom": "gm",
    "source": "inventory",
    "disposal_cert": null,
    "deleted_at": null,
    "global_id": "WAG010101.DI9",
    "batch_type": "",
    "global_mme_id": "WAWA1.MM1LS",
```

```
"global_user_id": "WAWA1.US4",  
"global_batch_id": "WAG010101.BA11",  
"global_area_id": null,  
"global_plant_id": null,  
"global_inventory_id": "WAG010101.IN1E"  
  }  
}
```

Create Disposals

Used for creation of destruction/disposal records

Request

POST <https://watest.leafdatasystems.com/api/v1/disposals>

Example Request

```
{
  "disposal": [{
    "external_id": "",
    "reason": "infestation",
    "disposal_at": "06/07/2016 12:34pm",
    "qty": "2",
    "uom": "gm",
    "source": "batch",
    "global_batch_id": "WAM200002.BA5J",
    "global_area_id": "",
    "global_plant_id": "",
    "global_inventory_id": ""
  }]
}
```

Example Response

```
[{
  "external_id": "",
  "reason": "infestation",
  "disposal_at": "06/07/2016 12:34pm",
  "qty": "2",
  "uom": "gm",
  "source": "batch",
  "hold_starts_at": "06/04/2016 12:34pm",
  "hold_ends_at": "06/07/2016 12:34pm",
  "updated_at": "06/04/2016 12:34pm",
  "created_at": "06/04/2016 12:34pm",
  "global_id": "WAM200002.DI777",
}
```

```
"global_mme_id": "WAWA1.MM1VB",  
"global_user_id": "WAWA1.US4",  
"global_batch_id": "WAM200002.BA5J",  
"global_area_id": null,  
"global_plant_id": null,  
"global_inventory_id": "WAM200002.IN9TB"  
}]
```

Update Disposals

Used for update of destruction/disposal records

Request

POST <https://watest.leafdatasystems.com/api/v1/disposals/update>

Example Request

```
{
  "disposal": [{
    "external_id": "",
    "reason": "infestation",
    "disposal_at": "06/07/2016 12:34pm",
    "qty": "2",
    "uom": "gm",
    "source": "batch",
    "global_batch_id": "WAM200002.BA5J",
    "global_area_id": "",
    "global_plant_id": "",
    "global_inventory_id": "",
    "global_id": "WAM200002.DIRY76"
  }]
}
```

Example Response

```
[{
  "external_id": "",
  "reason": "infestation",
  "disposal_at": "06/07/2016 12:34pm",
  "qty": "2",
  "uom": "gm",
  "source": "batch",
  "hold_starts_at": "06/04/2016 12:34pm",
  "hold_ends_at": "06/07/2016 12:34pm",
  "updated_at": "06/04/2016 12:34pm",
```

```
"created_at": "06/04/2016 12:34pm",  
"global_id": "WAM200002.DI777",  
"global_mme_id": "WAWA1.MM1VB",  
"global_user_id": "WAWA1.US4",  
"global_batch_id": "WAM200002.BA5J",  
"global_area_id": null,  
"global_plant_id": null,  
"global_inventory_id": "WAM200002.IN9TB"  
}]
```

Delete Disposal

Provides the ability to delete disposal (destruction) records within a licensed facility

SPECIAL NOTE FROM THE LCB REGARDING DELETION OF RECORDS:

Deleting records should be done as a last resort. The adjustment function should ALWAYS be the first tool used to correct any user error.

If the adjustment function does not resolve your issue, you will need LCB approval before you use the delete function. Please follow the steps below to obtain approval.

Email MJExaminer@lcb.wa.gov

****Include your license number, trade name, a screen shot of the record(s) you want to delete from your system and brief explanation as to why this record must be permanently removed from your system.****

LCB will review the request and respond accordingly.

LCB wants to ensure compliance, accurate data and that the deletion of one record will not break associations to other data.

Records that have associations to other data, if deleted, “break” that association. For example, once records such as “areas”, “strains”, and “inventory types” are related to batches/plants/inventory lot, deleting these records will “break” the batch/plant/inventory lot that no longer has the necessary correspondences to exist. “Areas”, for instance, are required for all batches that are created. If an area that is associated with a batch is deleted, the batch will no longer function properly. MJ Freeway cannot restore the deleted data.

DELETING RECORDS IN LEAF DATA SYSTEMS IS AN IRREVERSIBLE ACTION.

Request

DELETE https://watest.leafdatazone.com/api/v1/disposals/{global_disposal_id}

Example Request

<https://watest.leafdatazone.com/api/v1/disposals/WAM050505.DI51X>

Inventory Types

Inventory Types are the different types of products that will be on hand at a facility, not actual physical inventory. These records hold the attributes for all products that exist.

Two key terms used in the UI for creation of inventory types differ from those used in the API to represent the same fields, so please be mindful of the following:

UI Term	API Term
Category	type
Sub-category	intermediate_type

NEW IN 1.37.5: *Inventory Types now offer the ability to track "net weight (gm)" for weight-based discrete inventory items, as well as "serving size" and "servings per unit" for the specific end products that require this data.*

KNOWN ISSUE: *The "new weight (gm)" field that was added to the Inventory Type Add/Edit pages is currently showing for all category selections. This field should ONLY be used for weight-based discrete inventory, meaning "end products" that are sold in weight increments, such as "concentrate for inhalation", "infused mix", "packaged marijuana mix", and "usable marijuana". Please leave this new field BLANK for all other category/sub-category combinations, as it is not relevant data.*

NOTE: *There is a distinction between the previously deprecated 'net_weight' and 'total_marijuana_in_grams' parameters and the newly added 'weight_per_unit_in_grams' parameter. Please use the 'weight_per_unit_in_grams' for weight-based discrete inventory items.*

Let's take a look at each inventory type in the UI for an illustration of the differences and discuss the fields available/applicable for each based on the category selected.

Immature Plants (Producers Only)

Since immature plants are created through the workflow process of creating a "propagation material"-type batch, it is not necessary to create inventory types for this category. However, the "Edit" screen for an "immature plant" inventory type shown on the right demonstrates the appropriate attributes for this category.

- The "name" will be automatically created
- The "uom" will always be "ea"
- The "sub-category" will be based upon the "propagation source" selected upon creation of the batch

The screenshot shows the 'Inventory Types Edit' form in the LEAF Data Systems Washington interface. The form includes the following fields and values:

- EXTERNAL ID:** An empty text input field.
- NAME*:** A text input field containing 'Charlotte's Web propaga'.
- UOM:** A dropdown menu set to 'ea'.
- CATEGORY:** A dropdown menu set to 'Immature Plant'.
- SUB-CATEGORY:** A dropdown menu set to 'Seeds'.
- WEIGHT PER UNIT (GM):** A text input field with a green horizontal bar above it.
- save:** A blue button at the bottom.

Mature Plants (Producers Only)

Mature plant inventory is also created automatically through two separate workflows.

First, when mature plants are "packaged" into inventory (for transfer to another facility), and also when "packaged" mature plants are received into inventory at a facility. The following "Edit" screen shows the attributes appropriate for a "mature plant" inventory type record.

- The "name" will be automatically created
- The "uom" will always be "ea"

The screenshot shows the 'Inventory Types Edit' form in the LEAF Data Systems Washington interface. The form includes the following fields and values:

- EXTERNAL ID:** An empty text input field.
- NAME*:** A text input field containing 'Charlotte's Web mature_'.
- UOM:** A dropdown menu set to 'ea'.
- CATEGORY:** A dropdown menu set to 'Mature Plant'.
- SUB-CATEGORY:** A dropdown menu set to 'Mature Plant'.
- WEIGHT PER UNIT (GM):** A text input field with a green horizontal bar above it.
- save:** A blue button at the bottom.

Harvest Materials (Producers and Processors)

Harvest Materials include flower, flower lots, other material, and other material lots that are created through the harvest process at Production facilities. Producers must manually create inventory types for the harvest materials they intend to produce (for each individual strain they grow), whereas Processors will have these automatically created in the system upon receipt of this inventory from Producers.

- The "name" should include the strain and sub-category
- The "uom" will always be "gm"
- The available "sub-category" selections are shown

The screenshot shows the 'Inventory Types Add' form in the LEAF DATA SYSTEMS Washington interface. The form has the following fields and values:

- EXTERNAL ID:** (empty text input)
- NAME*:** ACDC Flower Lots
- UOM:** gm
- CATEGORY:** Harvest Materie
- SUB-CATEGORY:** Flower Lots (selected in a dropdown menu)
- WEIGHT PER UNIT (GM):** (empty text input)

The dropdown menu for SUB-CATEGORY is open, showing the following options: Flower, Flower Lots, Other Material, and Other Material Lots. A blue 'save' button is located at the bottom left of the form.

Waste (All Licensees and Testing Labs)

The Waste inventory type is automatically created upon addition of a destruction record. The inventory type is related to the physical waste inventory lot produced in the destruction workflow.

- The "name" is simply "waste"
- The "uom" will always be "gm"

The screenshot shows the 'Inventory Types Edit' form in the LEAF DATA SYSTEMS Washington interface. The form has the following fields and values:

- EXTERNAL ID:** (empty text input)
- NAME*:** waste
- UOM:** gm
- CATEGORY:** Waste
- SUB-CATEGORY:** Waste
- WEIGHT PER UNIT (GM):** (empty text input)

A blue 'save' button is located at the bottom left of the form.

Intermediate Products (Processors)

Intermediate Product inventory types are created at Processing facilities prior to conversions taking place. They can be the output of a conversion where the input is either harvest materials or a different intermediate product and represent the bulk inventory present at processing facilities.

- The "name" should be as descriptive as possible
- The "uom" will always be "gm"
- The available "sub-category" selections are shown

End Products (Processors and Retailers)

End Products represent the discrete items created at Processing facilities that are transferred to Retailers for sale to consumer. Processors must manually create inventory types for the end products they intend to produce, whereas Retailers will have these automatically created in the system upon receipt of this inventory from Processors.

- The "name" should be as descriptive as possible
- The "uom" will always be "ea"
- The available "sub-category" selections are shown

NOTE: For "liquid edible", "solid edible", "topical", "capsules", "tinctures", "transdermal patches", and "suppository" sub-categories, the "serving size" and "servings per unit" fields must be completed (*not shown*). For "concentrate for inhalation", "infused mix", "packaged marijuana mix", and "sample jar", and "usable marijuana", the "weight per unit (gm)" field must be completed (*shown*).

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
allergens	This parameter has been deprecated and will be removed in an upcoming release			
contains	This parameter has been deprecated and will be removed in an upcoming release			
cost	This parameter has been deprecated and will be removed in an upcoming release			
<i>created_at</i>	The date/time an inventory type record was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>deleted_at</i>	The date/time an inventory type record was deleted	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
description	This parameter has been deprecated and will be removed in an upcoming release			
<i>external_id*</i>	An optional free-form field used to hold any identifying factors of a particular inventory type record	varchar(40)	up to 40 characters	"INVTTYPE1234567"
<i>global_id</i>	Auto-generated unique ID for the inventory type record	varchar(255)	up to 255 characters	"WAX123456.TY1Z2Y3"
<i>global_mme_id</i>	The global ID of the licensee where the inventory type record was created	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
<i>global_user_id</i>	The global ID of the user who created the inventory type record	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
ingredients	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
intermediate_type*	The product subcategory of the inventory type	enum	if "type" = "intermediate_product", then: "marijuana_mix", "non-solvent_based_concentrate", "hydrocarbon_concentrate", "co2_concentrate", "ethanol_concentrate", "food_grade_solvent_concentrate", "infused_cooking_medium"; if "type" = "end_product", then: "liquid_edible", "solid_edible", "concentrate_for_inhalation", "topical", "infused_mix", "packaged_marijuana_mix", "sample_jar", "usable_marijuana", "capsules", "tinctures", "transdermal_patches", "suppositories"; if "type" = "immature_plant", then: "seeds", "clones", "plant_tissue"; if "type" = "mature_plant", then: "mature_plant", "non_mandatory_plant_sample"; if "type" = "harvest_materials", then: "flower", "other_material", "flower_lots", "other_material_lots"; if "type" = "waste", then: "waste"	"usable_marijuana"
name	Description of the inventory	varchar(255)	up to 255 characters	"Dewberry Haze 3.5g Flower"
net_weight	This parameter has been deprecated and will be removed in an upcoming release			
packed_qty	This parameter has been deprecated and will be removed in an upcoming release			
serving_num	The number of servings in an end product (only applicable to and required for end products with an "intermediate_type" of "liquid_edible", "solid_edible", "topical", "capsules", "tinctures", "transdermal_patches", and "suppository")	integer(11)	10	"10"
serving_size	The serving size of an individually packaged unit within a completed end product, in mg only applicable to and required for end products with an "intermediate_type" of "liquid_edible", "solid_edible", "topical",	integer(11)	10	"10"

Parameter	Description	Type	Valid Entries (for WA)	Example
	"capsules", "tinctures", "transdermal_patches", and "suppository")			
storage_instructions	This parameter has been deprecated and will be removed in an upcoming release			
total_marijuana_in_grams	This parameter has been deprecated and will be removed in an upcoming release			
type*	The primary category of the inventory type	enum	immature_plant, mature_plant, harvest_materials, intermediate_product, end_product, waste	"end_product"
uom*	The unit of measure associated with the inventory type	enum	gm, ea	"gm"
<i>updated_at</i>	The date/time an inventory type record was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
used_butane	This parameter has been deprecated and will be removed in an upcoming release			
value	This parameter has been deprecated and will be removed in an upcoming release			
weight_per_unit_in_grams	The unit weight of discrete items that are weight-based (only applicable to and required for end products with an "intermediate_type" of "concentrate_for_inhalation", "infused_mix", "packaged_marijuana_mix", "sample_jar", "usable_marijuana")	decimal(14,2)	3.5	"3.5"

* = modifiable; <bold> = required field; <italics> = returned value; = deprecated value, pending removal

Filters

Parameter	Filter
external_id	?f_external_id={external_id}
global_id	?f_global_id={global_id}
type	?f_type={type}

Available Functions

- Get Inventory Types
- Create Inventory Types
- Update Inventory Types
- Delete Inventory Types

Get Inventory Types

Returns all inventory types within a licensed facility

Request

GET https://watest.leafdatasystems.com/api/v1/inventory_types

Response

```
{
  "total": 1,
  "per_page": 2500,
  "current_page": 1,
  "last_page": 1,
  "next_page_url": null,
  "prev_page_url": null,
  "from": 1,
  "to": 1,
  "data": [
    {
      "created_at": "09/15/2018 09:35am",
      "updated_at": "09/15/2018 09:35am",
      "external_id": "12345",
      "name": "Charlotte's Web Eighths",
      "description": "",
      "storage_instructions": "",
      "ingredients": "",
      "type": "end_product",
      "allergens": "",
      "contains": "",
      "used_butane": 0,
    }
  ]
}
```

```
    "net_weight": null,  
    "packed_qty": null,  
    "cost": "0.00",  
    "value": "0.00",  
    "serving_num": 1,  
    "serving_size": 0,  
    "weight_per_unit_in_mcg": null,  
    "weight_per_unit_in_grams": 4,  
    "uom": "ea",  
    "total_marijuana_in_grams": "0.000000",  
    "total_marijuana_in_mcg": null,  
    "deleted_at": null,  
    "intermediate_type": "usable_marijuana",  
    "global_id": "WAG010101.TYA1Y",  
    "global_original_id": null,  
    "global_mme_id": "WASTATE1.MM18",  
    "global_user_id": "WASTATE1.US5",  
    "global_strain_id": null  
  }  
]  
}
```

Create Inventory Types

Provides the ability to create an inventory type within a licensed facility

Request

POST https://watest.leafdatasystems.com/api/v1/inventory_types

Example Request

```
{
  "inventory_type" :[{
    "external_id": "12345",
    "name": "Charlotte's Web Eighths",
    "type": "end_product",
    "intermediate_type": "usable_marijuana",
    "weight_per_unit_in_grams": "3.5",
    "uom": "ea"
  }]
}
```

Example Response

```
[
  {
    "external_id": "12345",
    "name": "Charlotte's Web Eighths",
    "type": "end_product",
    "intermediate_type": "usable_marijuana",
    "weight_per_unit_in_grams": "3.5",
    "uom": "ea",
    "updated_at": "09/15/2018 09:35am",
    "created_at": "09/15/2018 09:35am",
    "global_id": "WAG010101.TYA1Y",
    "global_mme_id": "WASTATE1.MM18",
    "global_user_id": "WASTATE1.US5",
    "global_strain_id": null
  }
]
```

Update Inventory Types

Provides the ability to update an existing inventory type within a licensed facility

Request

POST https://watest.leafdatasystems.com/api/v1/inventory_types/update

Example Request

```
{
  "inventory_type" :{
    "external_id": "12345",
    "name": "Charlotte's Web Eighths",
    "type": "end_product",
    "intermediate_type": "usable_marijuana",
    "weight_per_unit_in_grams": "3.5",
    "uom": "ea",
    "global_id": "WAG12345.TY20"
  }
}
```

Example Response

```
[{
  "external_id": "12345",
  "name": "Charlotte's Web Pre-Packs - 3.5gm",
  "description": "",
  "storage_instructions": "",
  "ingredients": "",
  "type": "end_product",
  "intermediate_type": "usable_marijuana",
  "allergens": "",
  "contains": "",
  "used_butane": "",
  "net_weight": "",
  "packed_qty": "",
  "cost": "",
  "value": "",
  "serving_num": "",
  "serving_size": "",
  "uom": "ea",
  "total_marijuana_in_grams": "",
  "updated_at": "12/1/2017 12:52pm",
  "created_at": "12/1/2017 12:52pm",
  "global_id": "WAG010101.IT5N",
  "global_mme_id": "WAWA1.MM1LS",
  "global_user_id": "WAWA1.US4",
  "global_strain_id": null
}]
```

Delete Inventory Types

Provides the ability to delete an existing inventory type within a licensed facility

SPECIAL NOTE FROM THE LCB REGARDING DELETION OF RECORDS:

Deleting records should be done as a last resort. The adjustment function should ALWAYS be the first tool used to correct any user error.

If the adjustment function does not resolve your issue, you will need LCB approval before you use the delete function. Please follow the steps below to obtain approval.

Email MJExaminer@lcb.wa.gov

Include your license number, trade name, a screen shot of the record(s) you want to delete from your system and brief explanation as to why this record must be permanently removed from your system.

LCB will review the request and respond accordingly.

LCB wants to ensure compliance, accurate data and that the deletion of one record will not break associations to other data.

Records that have associations to other data, if deleted, “break” that association. For example, once records such as “areas”, “strains”, and “inventory types” are related to batches/plants/inventory lot, deleting these records will “break” the batch/plant/inventory lot that no longer has the necessary correspondences to exist. “Areas”, for instance, are required for all batches that are created. If an area that is associated with a batch is deleted, the batch will no longer function properly. MJ Freeway cannot restore the deleted data.

DELETING RECORDS IN LEAF DATA SYSTEMS IS AN IRREVERSIBLE ACTION.

Request

DELETE https://watest.leafdatasystems.com/api/v1/inventory_types/{global_inventory_type_id}

Example Request

https://watest.leafdatasystems.com/api/v1/inventory_types/WAJ050



Inventory

Inventory lots are the physical inventory that exists at a facility.

"Immature plants" (in their propagation phases) begin as inventory at a production facility (related to "propagation_material" type batches). They do not become "plant" records (related to "plant" type batches) until they are in their vegetative phase. See related API call: /move_inventory_to_plants.

"Mature plants" can be "moved to inventory" if they are to be added to an inventory transfer (if they are leaving the facility). See related API calls: /move_plants_to_inventory and /move_inventory_to_plants.

"Harvest Material" once dried and cured is packaged into inventory lots.

Inventory lots can be split into smaller lots with the relationship to the parent lot remaining intact and traceable. See related API call: /split_inventory.

Inventory conversions are performed for extraction, infusion, pre-packaging, and combining functions and convert inventory lots of one inventory type into another. See related API call: /conversion.

Inventory lots that represent inventory types of Intermediate Products and End Products are related to batches of type "intermediate/ end product".

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
additives	This parameter has been deprecated and will be removed in an upcoming release			
batch_type	This parameter has been deprecated and will be removed in an upcoming release			
cost	This parameter has been deprecated and will be removed in an upcoming release			
created_at	The date/time an inventory record was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
deleted_at	The date/time an inventory record was deleted	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
external_id*	An optional free-form field used to hold any identifying factors of a particular inventory record	varchar(40)	up to 40 characters	"LOT1234567"
global_area_id*	The global ID of the area where the inventory lot is located	varchar(255)	WAX123456.AR1Z2Y3	"WAX123456.AR1Z2Y3"
global_batch_id*	The global ID of the batch associated with the inventory lot	varchar(255)	up to 255 characters	"WAX123456.BA1Z2Y3"
global_created_by_mme_id	This parameter has been deprecated and will be removed in an upcoming release			
global_id	Auto-generated unique ID for the inventory record	varchar(255)	up to 255 characters	"WAX123456.IN1Z2Y3"
global_inventory_type_id*	The global ID of the inventory type associated with the inventory	varchar(255)	WAX123456.LR1Z2Y3	"WAX123456.TY1Z2Y3"

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>global_lab_result_id</i>	The global ID of the lab results (created by a QA lab) associated with the inventory lot	varchar(255)	WAX123456.LR1Z2Y3	"WAX123456.LR1Z2Y3"
<i>global_mme_id</i>	The global ID of the licensee where the inventory record was created	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
<i>global_original_id</i>	The global ID of the inventory lot relative to the facility that it was received FROM; For Retailers (and anyone receiving inventory), this value is important for being able to identify an inventory lot based on the global ID on the labelling/package	varchar(255)	up to 255 characters	"WAX123456.IN1Z2Y3"
<i>global_strain_id</i>	The global ID of the strain associated with the inventory (if applicable)	varchar(255)	WAX123456.ST1Z2Y3	"WAX123456.ST1Z2Y3"
<i>global_user_id</i>	The global ID of the user who created the inventory record	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
<i>inventory_created_at</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>inventory_expires_at</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>inventory_packaged_at</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>is_initial_inventory*</i>	Denotes whether inventory represents post-contingency on hand inventory created by 4/30/2018	boolean	0, 1	"1"
<i>lab_results_attested</i>	If inventory "is_initial_inventory", then lab results attestation is required to bypass QA result requirements for product to transfer; Attestation affirms the following on behalf of the licensee: "I attest the attached Quality Assurance Test result is accurate or the marijuana product does not	boolean	0, 1	"1"

Parameter	Description	Type	Valid Entries (for WA)	Example
	require Quality Assurance Test results at this stage"			
lab_results_date*	The date the attached lab results were completed at the QA lab, per the pdf upload (if applicable)	date	mm/dd/yyyy	"02/01/2018"
lab_results_file_path*	The base64-encoded file reference for the pdf lab results associated with the inventory lot	base64-encoded file path	css;base64,/9j/4AAQSkZJRgABAQEAWgBaAAD/4gxYSUNDX1	"css;base64,/9j/4AAQSkZJRgABAQEAWgBaAAD/4gxYSUNDX1"
lab_retest_id	Unique database value related to a lab result created for a retest	integer(11)	1234567	"1234567"
last_harvest_stage	This parameter has been deprecated and will be removed in an upcoming release			
legacy_id	FE term for "legacy_id" is "Contingency/Old Traceability ID"; numeric ID from previous traceability methods entered only (and required) if inventory is designated as "initial_inventory"	integer(11)	1234567898765432	"1234567898765432"
marijuana_type	This parameter has been deprecated and will be removed in an upcoming release			
medically_compliant*	Denotes whether or not an inventory lot is designated as <i>seeking</i> "medically compliant" status	boolean	0, 1	"0"
net_weight	This parameter has been deprecated and will be removed in an upcoming release			
packed_qty	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
qty*	The quantity of inventory present in the lot, relative to the unit of measure ("uom") of the associated inventory type; while qty of an inventory lot is able to be modified, the proper workflow is to perform an inventory adjustment	integer(11) or decimal(14,2)	integer if "uom"="ea" and decimal value if "uom"="gm"	"12345.67"
release_by_state	This parameter has been deprecated and will be removed in an upcoming release			
sent_for_testing	Denotes whether a sample of this inventory lot has been sent to the QA lab for mandatory or non-mandatory testing	boolean	0, 1	"0"
servicing_num	This parameter has been deprecated and will be removed in an upcoming release			
servicing_size	This parameter has been deprecated and will be removed in an upcoming release			
source	This parameter has been deprecated and will be removed in an upcoming release			
total_marijuana_in_grams	This parameter has been deprecated and will be removed in an upcoming release			
uom	The unit of measure associated with the inventory lot, derived from the associated inventory types	enum	gm, ea	"gm"
updated_at	The date/time an inventory record was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"

Parameter	Description	Type	Valid Entries (for WA)	Example
value	This parameter has been deprecated and will be removed in an upcoming release			

= parameter for filtering only; * = modifiable; = required field; <i>= returned value; = deprecated value, pending removal

Filters

Parameter	Filter
external_id	?f_external_id={external_id}
global_batch_id	?f_batch_id={global_batch_id}
global_id	?f_global_id={global_id}
type	?f_type={type}
created_at	?f_date1={mm/dd/yyyy}&f_date2={mm/dd/yyyy}

Available Functions

- Get Inventory
- Create Inventory
- Update Inventory
- Delete Inventory

Get Inventory

Returns all inventory lot records within a licensed facility

Request

GET <https://watest.leafdatasystems.com/api/v1/inventories>

Response

```

{
  "total": 2,
  "per_page": 2500,
  "current_page": 1,
  "last_page": 1,
  "next_page_url": null,
  "prev_page_url": null,
  "from": 1,
  "to": 2,
  "data": [{
    "created_at": "09/25/2018 10:48am",
    "updated_at": "09/25/2018 11:01am",
    "external_id": "",
    "released_by_state": null,
    "lab_retest_id": null,
    "is_initial_inventory": "0",
    "net_weight": "0.00",
    "inventory_created_at": "",
    "inventory_expires_at": "",
    "inventory_packaged_at": "",
    "qty": "140.0000",
    "packed_qty": null,
    "cost": "0.00",
    "value": "0.00",
    "source": null,
    "propagation_source": "none",
    "uom": "gm",
    "total_marijuana_in_grams": "0.00",
    "additives": "",
    "serving_num": "1",
  ]
}

```

```

"serving_size": "0",
"marijuana_type": null,
"sent_for_testing": "1",
"deleted_at": null,
"last_harvest_stage": null,
"medically_compliant": "0",
"global_id": "WAM200002.IN7DNC",
"legacy_id": null,
"lab_result_file_path": null,
"lab_results_attested": "0",
"lab_results_date": "",
"global_original_id": "",
"batch_type": "extraction",
"global_batch_id": "WAM200002.BAU81",
"global_area_id": "WAM200002.ARHE3",
"global_lab_result_id": "WAL400004.LRKPX",
"global_strain_id": "WAM200002.ST72N",
"global_inventory_type_id": "WAM200002.TYIGQ",
"global_created_by_mme_id": "",
"global_mme_id": "WAWA1.MM1VB",
"global_user_id": "WAWA1.US4",
"high_cbd": false,
"high_thc": false,
"general_use": false,
"labResults": [
  {
    "global_id": "WAL400004.LRKPX",
    "created_at": "09/25/2018 11:01am"
  }
]
},
{
  "created_at": "09/27/2018 11:37am",
  "updated_at": "09/27/2018 11:37am",
  "external_id": "",
  "released_by_state": null,
  "lab_retest_id": null,
  "is_initial_inventory": "0",
  "net_weight": "0.00",
  "inventory_created_at": "09/27/2018",

```

```

"inventory_expires_at": "",
"inventory_packaged_at": "09/27/2018",
"qty": "2240.0000",
"packed_qty": null,
"cost": "0.00",
"value": "0.00",
"source": "",
"propagation_source": "none",
"uom": "gm",
"total_marijuana_in_grams": "0.00",
"additives": "",
"-serving_num": "1",
"-serving_size": "0",
"marijuana_type": "",
"sent_for_testing": "1",
"deleted_at": null,
"last_harvest_stage": "cure",
"medically_compliant": "0",
"global_id": "WAM200002.IN7EAI",
"legacy_id": null,
"lab_result_file_path": null,
"lab_results_attested": "0",
"lab_results_date": "",
"global_original_id": "WAJ500005.IN7E4T",
"batch_type": "harvest",
"global_batch_id": "WAM200002.BAUMF",
"global_area_id": "WAM200002.ARHE3",
"global_lab_result_id": "WAL400004.LRKV5",
"global_strain_id": "WAM200002.ST76T",
"global_inventory_type_id": "WAM200002.TYJ6M",
"global_created_by_mme_id": "WAWA1.MM1VE",
"global_mme_id": "WAWA1.MM1VB",
"global_user_id": "WAWA1.US4",
"high_cbd": false,
"high_thc": false,
"general_use": false,
"labResults": [
  {
    "id": 27041,
    "global_for_inventory_id": "WAJ500005.IN7E4T",

```

```
    "global_id": "WAL400004.LRKV5",
    "created_at": "09/27/2018 11:05am",
    "global_mme_id": null,
    "global_user_id": null,
    "global_for_mme_id": null,
    "global_inventory_id": null,
    "global_batch_id": null,
    "strain_name": "",
    "high_thc": false,
    "high_cbd": false,
    "general_use": false,
    "inventory": null,
    "for_inventory": null
  }
]
```

Create Inventory

Provides the ability to create inventory lots within a licensed facility

Request

POST <https://watest.leafdatasystems.com/api/v1/inventories>

Example Request

```
{
  "inventory": [{
    "external_id": "12345",
    "is_initial_inventory": 0,
    "is_active": 1,
    "inventory_created_at": "12/01/2017",
    "inventory_packaged_at": "12/01/2017",
    "medically_compliant": 0,
    "qty": "1248.00",
    "uom": "gm",
    "global_batch_id": "WAG010101.BAH3",
    "global_area_id": "WAG010101.AR64",
    "global_strain_id": "WAG010101.ST4V",
    "global_inventory_type_id": "WAG010101.ITAH",
    "legacy_id": ""
  }]
}
```

Example Response

```
[
  {
    "external_id": "12345",
    "is_initial_inventory": 0,
    "inventory_created_at": "12/01/2017",
    "inventory_packaged_at": "12/01/2017",
    "medically_compliant": 0,
    "qty": "1248.00",
    "uom": "gm",
    "legacy_id": "",
    "batch_id": "1437",
    "area_id": "444",
    "strain_id": 362,
    "inventory_type_id": "1079",
    "user_id": 50,
    "mme_id": 91,
    "source": "inhouse",
    "updated_at": "09/12/2018 05:02am",
    "created_at": "09/12/2018 05:02am",
    "id": 11690,
    "global_id": "WAG321.IN90Q",
    "lab_result_file_path": "",
    "batch": {
      "created_at": "05/31/2018 03:54am",
      "updated_at": "05/31/2018 07:04am",
      "external_id": "",
      "planted_at": "05/31/2018",
      "harvested_at": "05/31/2018",
      "batch_created_at": "2018-05-31 03:54:42",
      "num_plants": 2,
      "status": "open",
      "qty_harvest": "20.00",
      "uom": "gm",
      "is_parent_batch": 1,
      "is_child_batch": 1,
      "type": "harvest",
      "harvest_stage": "cure",
      "qty_accumulated_waste": "24.66",
      "qty_packaged_flower": "0.00",
```

```

    "qty_packaged_by_product": "8.00",
    "est_harvest_at": "",
    "packaged_completed_at": "",
    "origin": "seed",
    "source": "inhouse",
    "qty_cure": "10.00",
    "plant_stage": "harvested",
    "deleted_at": null,
    "flower_dry_weight": "9.00",
    "waste": "18.00",
    "other_waste": "9.00",
    "flower_waste": "9.00",
    "other_dry_weight": "1.00",
    "harvested_end_at": "05/31/2018 01:54pm",
    "flower_wet_weight": "10.00",
    "other_wet_weight": "10.00",
    "global_id": "WAG010101.BAH3",
    "global_mme_id": "WASTATE1.MM2J",
    "global_user_id": "WASTATE1.US1E",
    "global_strain_id": "WAG010101.STA2",
    "global_area_id": "WAG010101.AR64"
  },
  "inventory_type": {
    "created_at": "06/08/2018 03:01am",
    "updated_at": "06/08/2018 03:01am",
    "external_id": "0608",
    "name": "int prod - hydr conc",
    "description": "",
    "storage_instructions": "",
    "ingredients": "",
    "type": "intermediate_product",
    "allergens": "",
    "contains": "",
    "used_butane": 0,
    "net_weight": "",
    "packed_qty": null,
    "cost": "0.00",
    "value": "0.00",
    "serving_num": 1,
    "serving_size": 0,
  }

```

```
    "uom": "gm",
    "total_marijuana_in_grams": "5.000000",
    "total_marijuana_in_mcg": 5000000,
    "deleted_at": null,
    "intermediate_type": "hydrocarbon_concentrate",
    "global_id": "WAG010101.ITA",
    "global_original_id": null,
    "weight_per_unit_in_grams": "0.00",
    "global_mme_id": "WASTATE1.MM2J",
    "global_user_id": "WASTATE1.US1E",
    "global_strain_id": null
  }
}
```

```
]
```

Update Inventory

Provides the ability to update inventory lots within a licensed facility

Request

POST <https://watest.leafdatasystems.com/api/v1/inventories/update>

Example Request

```
{
  "inventory": {
    "external_id": "",
    "is_initial_inventory": 0,
    "is_active": 1,
    "inventory_created_at": "7/07/2017",
    "inventory_packaged_at": "07/07/2017",
    "medically_compliant": 0,
    "qty": "1357.00",
    "uom": "gm",
    "global_batch_id": "WAG010101.BA2BNA",
    "global_area_id": "WAG010101.AR18RL",
    "global_strain_id": "WAG010101.ST1X1L",
    "global_inventory_type_id": "WAG010101.TY40FP",
    "global_id": "WAG010101.INZA9"
  }
}
```

Example Response

```
{
  "id": 11690,
  "created_at": "09/12/2018 05:02am",
  "updated_at": "09/12/2018 05:30am",
  "mme_id": 91,
  "user_id": 50,
  "external_id": "",
  "area_id": "444",
  "batch_id": "1437",
  "lab_result_id": 0,
  "released_by_state": null,
```



```

"lab_retest_id": null,
"is_initial_inventory": 0,
"net_weight": "0.00",
"inventory_created_at": "07/07/2017",
"inventory_expires_at": "",
"inventory_packaged_at": "07/07/2017",
"created_by_mme_id": 0,
"qty": "1357.00",
"packed_qty": null,
"cost": "0.00",
"value": "0.00",
"source": "inhouse",
"uom": "gm",
"strain_id": "362",
"total_marijuana_in_grams": "0.00",
"inventory_type_id": "1079",
"additives": "",
"-serving_num": "",
"-serving_size": "",
"marijuana_type": null,
"sent_for_testing": 0,
"deleted_at": null,
"last_harvest_stage": null,
"medically_compliant": 0,
"global_id": "WAG321.IN90Q",
"legacy_id": "1234567887654321",
"lab_result_file_path": "",
"lab_results_attested": 0,
"lab_results_date": "",
"global_original_id": null,
"propagation_source": "none",
"inventory_type": {
  "created_at": "06/08/2018 03:01am",
  "updated_at": "06/08/2018 03:01am",
  "external_id": "0608",
  "name": "int prod - hydr conc",
  "description": "",
  "storage_instructions": "",
  "ingredients": "",
  "type": "intermediate_product",

```

```
"allergens": "",
"contains": "",
"used_butane": 0,
"net_weight": "",
"packed_qty": null,
"cost": "0.00",
"value": "0.00",
"serving_num": 1,
"serving_size": 0,
"uom": "gm",
"total_marijuana_in_grams": "5.000000",
"total_marijuana_in_mcg": 5000000,
"deleted_at": null,
"intermediate_type": "hydrocarbon_concentrate",
"global_id": "WAG321.TY TZ",
"global_original_id": null,
"weight_per_unit_in_grams": "0.00",
"global_mme_id": "WASTATE1.MM2J",
"global_user_id": "WASTATE1.US1E",
"global_strain_id": null
}
}
```

Delete Inventory

Provides the ability to delete inventory lots within a licensed facility

SPECIAL NOTE FROM THE LCB REGARDING DELETION OF RECORDS:

Deleting records should be done as a last resort. The adjustment function should ALWAYS be the first tool used to correct any user error.

If the adjustment function does not resolve your issue, you will need LCB approval before you use the delete function. Please follow the steps below to obtain approval.

Email [MJExaminer@lcb.wa.gov](mailto: MJExaminer@lcb.wa.gov)

Include your license number, trade name, a screen shot of the record(s) you want to delete from your system and brief explanation as to why this record must be permanently removed from your system.

LCB will review the request and respond accordingly.

LCB wants to ensure compliance, accurate data and that the deletion of one record will not break associations to other data.

Records that have associations to other data, if deleted, “break” that association. For example, once records such as “areas”, “strains”, and “inventory types” are related to batches/plants/inventory lot, deleting these records will “break” the batch/plant/inventory lot that no longer has the necessary correspondences to exist. “Areas”, for instance, are required for all batches that are created. If an area that is associated with a batch is deleted, the batch will no longer function properly. MJ Freeway cannot restore the deleted data.

DELETING RECORDS IN LEAF DATA SYSTEMS IS AN IRREVERSIBLE ACTION.

Request

POST https://watest.leafdatazone.com/api/v1/inventories/{global_inventory_id}

Example Request

<https://watest.leafdatazone.com/api/v1/inventories/WAG010101.INW7X35>

Inventory Adjustments

This endpoint is used to increase or decrease the amount of an inventory lot. This is done by passing either a positive or negative "qty" value. Calling CREATE with "qty": "-2.00", on the JSON object would decrease an Inventory Lot by 2.00.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
adjusted_at	The date an inventory adjustment takes place	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>created_at</i>	The date/time an inventory adjustment record was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
deleted_at	This parameter has been deprecated and will be removed in an upcoming release			
external_id	An optional free-form field used to hold any identifying factors of a particular inventory adjustment record	varchar(40)	up to 40 characters	"ADJ1234567"
global_adjusted_by_user_id	For inventory adjustments where samples are dispersed, the global user ID for the recipient of the sample; required only if "reason" = "budtender_sample"	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
<i>global_id</i>	Auto-generated unique ID for the inventory adjustment record	varchar(255)	up to 255 characters	"WAX123456.IA1Z2Y3"
global_inventory_id	The global ID of the inventory lot being adjusted	varchar(255)	up to 255 characters	"WAX12346.IN1Z2Y3"
<i>global_mme_id</i>	The global ID of the licensee where the inventory adjustment occurred	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
<i>global_user_id</i>	The global ID of the user who created the inventory adjustment record	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
memo	Field for freeform notes to be added regarding adjustment	varchar(255)	up to 255 characters	"weekly physical count"

Parameter	Description	Type	Valid Entries (for WA)	Example
qty	The positive or negative value of the adjustment to be made	decimal(14,2)	1234.56	"1234.56"
reason	The reason for the inventory adjustment	enum	reconciliation, theft, seizure, member_left_the_cooperative, internal_qa_sample, budtender_sample, vendor_sample	"reconciliation"
uom	The uom associated with the inventory being adjusted	enum	gm, ea	"gm"
updated_at	This parameter has been deprecated and will be removed in an upcoming release			

* = modifiable; = required field; <i></i> = returned value;

Filters

Parameter	Filter
created_at	?f_date1={mm}%2F{dd}%2F{yyyy}&f_date2={mm}%2F{dd}%2F{yyyy}
external_id	?f_external_id={external_id}
global_id	?f_global_id={global_id}
global_inventory_id	?f_inventory_id={global_inventory_id}
qty	?f_adjusted_qty={minimum qty} (filter will return all quantities greater than minimum qty designated)

Available Functions

Get Inventory Adjustments

Create Inventory Adjustments

Get Inventory Adjustments

Returns all inventory adjustments within a licensed facility

Request

GET https://watest.leafdatazone.com/api/v1/inventory_adjustments

Response

```
{
  "total": 2,
  "per_page": 2500,
  "current_page": 1,
  "last_page": 1,
  "next_page_url": null,
  "prev_page_url": null,
  "from": 1,
  "to": 2,
  "data": [{
    "created_at": "12/14/2017 10:45am",
    "updated_at": "12/14/2017 10:45am",
    "external_id": "",
    "adjusted_at": "12/14/2017 10:45am",
    "qty": "2.0000",
    "uom": "ea",
    "reason": "transfer",
    "memo": "",
    "deleted_at": null,
    "global_id": "WAL050505.IACZ",
    "global_mme_id": "WASTATE1.MM17",
    "global_user_id": "WASTATE1.US5",
    "global_inventory_id": "WAL050505.IN8F",
    "global_adjusted_by_user_id": null
  },
  {
    "created_at": "12/14/2017 10:45am",
    "updated_at": "12/14/2017 10:45am",
    "external_id": "",
    "adjusted_at": "12/14/2017 10:45am",
    "qty": "2.0000",
```

```
    "uom": "ea",
    "reason": "transfer",
    "memo": "",
    "deleted_at": null,
    "global_id": "WAL050505.IAD0",
    "global_mme_id": "WASTATE1.MM17",
    "global_user_id": "WASTATE1.US5",
    "global_inventory_id": "WAL050505.IN8G",
    "global_adjusted_by_user_id": null
  }
]
}
```

Create Inventory Adjustments

Provides the ability to create inventory adjustments within a licensed facility

Request

POST https://watest.leafdatazone.com/api/v1/inventory_adjustments

Example Request

```
{
  "inventory_adjustment": [{
    "external_id": "",
    "adjusted_at": "03/25/2017 10:55pm",
    "qty": "-2.00",
    "uom": "gm",
    "reason": "budtender_sample",
    "memo": "",
    "global_inventory_id": "WAG010101.INZFC",
    "global_adjusted_by_user_id": "WASTATE1.US3"
  }]
}
```

Example Response

```
[{
  "external_id": "",
  "adjusted_at": "03/25/2018 10:55pm",
  "qty": "-2.00",
  "uom": "gm",
  "reason": "budtender_sample",
  "memo": "",
  "updated_at": "03/29/2018 07:51am",
  "created_at": "03/29/2018 07:51am",
  "global_id": "WAG010101.IA1KQQ",
  "global_mme_id": "WASTATE1.MM24L",
  "global_user_id": "WASTATE1.US2FE",
  "global_inventory_id": "WAG010101.INZFC",
  "global_adjusted_by_user_id": "WASTATE1.US3"
}]
```

Inventory Transfers

This endpoint is used to transfer inventory from one Licensee to another, either to send a QA sample to a lab, or to send plants or inventory from one Producer to another. All inventory is transferred via this endpoint. There are multiple "Transfer" related endpoints. Calling CREATE to this endpoint is the first step in transferring inventory.

Note: Any instance of inventory going from one facility to another is handled with inventory transfers. This ranges from transferring a small sample to a lab, to large amounts of harvested flower being transferred to a retailer for sale.

For a 'manifest_type' of 'delivery', the sender is responsible for populating the driver, vehicle, and departure/arrival estimates.

For a 'manifest_type' of 'pick-up', the sender denotes the inventory to be transferred and the receiving licensee, and then saves the record so that the receiver can enter the driver, vehicle, and departure/arrival estimates.

For a 'manifest_type' of 'licensed transporter', the sender selects the licensed transporter facility that will perform the delivery of the inventory listed on the transfer. In this event, driver and vehicle information is not captured.

Once an 'Inventory Transfer' record has been created, it can be marked as 'in transit' using the API call `/inventory_transfer_in_transit`.

To receive an 'Inventory Transfer', please see the `/receive_transfer` API call.

NOTE: Multi-stop functionality has been deprecated at this time, and will be reinstated in a future release. This means that the 'multi-stop' parameter should be set to "0", and that the `/inventory_transfer_delivery` and `/inventory_transfer_delivery_in_transit` endpoints will not be usable until development of this feature is complete.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>created_at</i>	The date/time an inventory transfer/inventory transfer item record was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
deleted_at	This parameter has been deprecated and will be removed in an upcoming release			
description (inventory item)	This parameter has been deprecated and will be removed in an upcoming release			
<i>est_arrival_at*</i>	The date/time of the estimated time of arrival for the inventory transfer	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>est_departed_at*</i>	The date/time of the estimated time of departure for the inventory transfer	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>external_id*</i>	An optional free-form field used to hold any identifying factors of a particular inventory transfer record	varchar(40)	up to 40 characters	"INVTRANS1234567"
<i>external_id*</i> (inventory item)	An optional free-form field used to hold any identifying factors of a particular inventory item on a transfer record	varchar(40)	up to 40 characters	"INVTRANS1234567"
<i>global_batch_id</i> (inventory item)	The global ID of the batch associated with the inventory item	varchar(255)	up to 255 characters	"WAX123456.BA1Z2Y3"
global_customer_id (inventory item)	This parameter has been deprecated and will be removed in an upcoming release			
global_from_customer_id	This parameter has been deprecated and will be removed in an upcoming release			
<i>global_from_mme_id</i>	The global ID of the licensee sending the transfer	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
global_from_user_id	This parameter has been deprecated and will be removed in an upcoming release			
<i>global_id</i> (inventory item)	The global ID for the inventory item record	varchar(255)	up to 255 characters	"WAX123456.II1Z2Y3"
<i>global_id</i> (inventory transfer)	Auto-generated unique ID for the inventory transfer record	varchar(255)	up to 255 characters	"WAX123456.IT1Z2Y3"
<i>global_inventory_id</i> (inventory item)*	The global ID relative to the sending facility of the inventory lot being transferred	varchar(255)	up to 255 characters	"WAX123456.II1Z2Y3"
<i>global_inventory_transfer_id</i> (inventory item)	The global ID of the inventory transfer that this item is associated with	varchar(255)	up to 255 characters	"WAX123456.IT1Z2Y3"

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>global_inventory_type_id</i> (inventory item)	If a transfer "status"="received", the global ID of the inventory type at the receiving facility that is associated with this inventory lot	varchar(255)	up to 255 characters	"WAWA1.TY1Z2Y3"
<i>global_lab_result_id</i> (inventory item)	The global ID for the lab result record associated with the inventory item (if applicable)	varchar(255)	up to 255 characters	"WAX123456.LR1Z2Y3"
<i>global_mme_id</i>	The global ID of the licensee where the inventory transfer/inventory item record was created	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
<i>global_plant_id</i> (inventory item)	This parameter has been deprecated and will be removed in an upcoming release			
<i>global_received_area_id</i> (inventory item)	If a transfer "status"="received", the global ID of the area at the receiving facility where the inventory is located	varchar(255)	up to 255 characters	"WAX123456.AR1Z2Y3"
<i>global_received_batch_id</i> (inventory item)	If a transfer "status"="received", the global ID of the batch at the receiving facility that is associated with this inventory item	varchar(255)	up to 255 characters	"WAX123456.BA1Z2Y3"
<i>global_received_inventory_id</i> (inventory item)	If a transfer "status"="received", the global ID of the inventory lot at the receiving facility that is associated with this inventory item	varchar(255)	up to 255 characters	"WAX123456.IN1Z2Y3"
<i>global_received_mme_id</i> (inventory item)	If a transfer "status"="received", the global ID of the licensee who received the inventory item	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
<i>global_received_mme_user_id</i> (inventory item)	This parameter has been deprecated and will be removed in an upcoming release			
<i>global_received_plant_id</i> (inventory item)	This parameter has been deprecated and will be removed in an upcoming release			
<i>global_received_strain_id</i> (inventory item)	If a transfer "status"="received", the global ID of the strain at the receiving facility that is associated with the inventory item	varchar(255)	up to 255 characters	"WAX123456.ST1Z2Y3"

Parameter	Description	Type	Valid Entries (for WA)	Example
<code>global_to_customer_id</code>	This parameter has been deprecated and will be removed in an upcoming release			
<code>global_to_mme_id*</code>	The global ID of the licensee designated as the recipient of the transfer	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
<code>global_to_user_id</code>	This parameter has been deprecated and will be removed in an upcoming release			
<code>global_transporter_user_id</code>	This parameter has been deprecated and will be removed in an upcoming release			
<code>global_transporting_mme_id*</code>	The global ID of the licensee type "licensed transporter" who is performing the transport of the product (if applicable); required only if "manifest_type"="transporter"	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
<code>global_user_id</code>	The global ID of the user who created the inventory transfer/inventory item record	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
<code>hold_ends_at</code>	This parameter has been deprecated and will be removed in an upcoming release			
<code>hold_starts_at</code>	This parameter has been deprecated and will be removed in an upcoming release			
<code>inventory_transfer_items</code> array	Array containing the inventory items being transferred	array		
<code>inventory_type</code> array	See "inventory_types" endpoint for details regarding these parameters	array		
<code>is_for_extraction</code> (inventory item)*	Designates material being sent from a Producer (of Producer/Processor) to a Processor (or Producer/Processor) that is being used for extraction purposes (rather than being sold as usable marijuana)	boolean	0,1	"0"
<code>is_sample</code> (inventory item)*	Denotes that an inventory item associated with an inventory transfer is a sample	boolean	0, 1	"1"
<code>manifest_type*</code>	Designates the type of inventory transfer	enum	delivery, pick-up, transporter	"delivery"

Parameter	Description	Type	Valid Entries (for WA)	Example
multi-stop	This parameter is part of functionality being deprecated from the system, however, it is currently required to be present upon creation of a transfer; it should ALWAYS be set to "0"	boolean	0,1	"0"
notes	This parameter has been deprecated and will be removed in an upcoming release			
<i>number_of_edits</i>	The number of total edits made to the inventory transfer	integer(11)	numeric value	"3"
price (inventory item)*	The price of one unit of the inventory item	decimal(14,2)	1234.56	"1234.56"
product_sample_type (inventory item)*	If an inventory item being transferred is a sample, AND the "sample_type" is "product_sample", the "product_sample_type" should be denoted	enum	budtender_sample, vendor_sample	"vendor_sample"
qty (inventory item)*	The quantity of the inventory item being transferred	decimal(14,2)	1234.56	"1234.56"
<i>received_at</i> (inventory item)	If a transfer "status"="received", the date/time the transfer was received	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>received_qty</i> (inventory item)	If a transfer "status"="received", the quantity of this inventory item received	decimal(14,2)	1234.56	"1234.56"
retest (inventory item)*	If an inventory item is designated as a "sample" of type "lab_sample", and the "sample" is being sent for retesting, denote this here	boolean	0, 1	"0"
route	This parameter has been deprecated and will be removed in an upcoming release			
sample_type (inventory item)*	If an inventory item being transferred is a sample, then the type of sample should be denoted	enum	lab_sample, non_mandatory_sample, product_sample	"product_sample"
<i>status</i>	Identifies the status of the inventory transfer	enum	open, in-transit, received, ready-for-pickup	"open"
stops	This parameter has been deprecated and will be removed in an upcoming release			
test_for_terpenes*	Indicates whether a non-mandatory lab sample should have terpenoid profile testing performed upon being sent to the QA lab	boolean	0, 1	"0"
transfer_type	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>transferred_at</i>	The date/time at which a transfer was marked as "in transit"	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
transporter_name1*	The name of the driver performing the transport; this field is required when 'manifest_type' = 'delivery'	varchar(255)	up to 255 characters	"Mary Jane Doe"
transporter_name2*	The name of a second driver performing the transport	varchar(255)	up to 255 characters	"Sativa Smithers"
type	This parameter has been deprecated and will be removed in an upcoming release			
uom* (inventory item)	The unit of measure associated with the inventory item (driven by the inventory type)	enum	gm, ea	"gm"
<i>updated_at</i>	The date/time an inventory transfer/inventory transfer item record was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
vehicle_color	This parameter has been deprecated and will be removed in an upcoming release			
vehicle_description*	Make/Model of vehicle used for the inventory transfer	varchar(255)	up to 255 characters	"Chevrolet/CamaroSS"
vehicle_license_plate*	The license plate number of the vehicle being used for the transportation of the inventory on the transfer	varchar(255)	up to 255 characters	"ND4SPD"
vehicle_vin*	The VIN of the vehicle being used for the transportation of the inventory on the transfer	varchar(255)	up to 255 characters	"1Z2Y3X4W5V6U7T8S"
vehicle_year	This parameter has been deprecated and will be removed in an upcoming release			
void*	Indicates whether a transfer record has been voided; in order to properly apply this value, use the /inventory_transfers_void special function	boolean	0, 1	"1"

* = modifiable; <bold> = required field; <italics> = returned value; = deprecated value, pending removal

Filters

Parameter	Filter
est_departed_date	?f_date1={estimated departure date}
external_id	?f_external_id={external_id}
global_batch_id	?f_batch_id={global_batch_id}
global_id	?f_global_id={global_id}
global_mme_id	?f_mme_code={licensee id}
global_to_mme_id	?f_to_mme_code={recipient licensee id}
status	?f_status={status}

Available Functions

Get Inventory Transfers

Create Inventory Transfers

Update Inventory Transfers

Get Inventory Transfers

Returns all inventory transfers within a licensed facility

NOTE: Inventory Items are only returned when GET is filtered to a specific inventory transfer global ID. Example #1 below denotes what a general inventory transfers GET would look like, whereas example #2 denotes what an inventory transfers GET filtered by "global_id" would look like.

Request #1 (unfiltered)

GET https://watest.leafdatazone.com/api/v1/inventory_transfers

Example Response #1

```
{
  "total": 1,
  "per_page": 2500,
  "current_page": 1,
  "last_page": 1,
  "next_page_url": null,
  "prev_page_url": null,
  "from": 1,
  "to": 1,
  "data": [{
    "created_at": "04/24/2018 05:15am",
    "updated_at": "04/24/2018 05:17am",
    "hold_starts_at": "04/24/2018 05:15am",
    "number_of_edits": null,
    "hold_ends_at": "04/25/2018 05:15am",
    "external_id": "",
    "void": 0,
    "transferred_at": "04/24/2018 05:17am",
    "est_departed_at": "04/19/2018 06:13am",
    "est_arrival_at": "04/20/2018 06:13am",
    "multi_stop": 0,
    "route": "",
    "stops": "",
    "vehicle_description": "Chevrolet/CamaroSS",
    "vehicle_year": null,
    "vehicle_color": null,
  }
]
```

```
"vehicle_vin": "1Z2Y3X4W5V6U7T8S",
"vehicle_license_plate": "ND4SPD",
"notes": "",
"transfer_manifest": null,
"manifest_type": "delivery",
"status": "in-transit",
"type": "inventory",
"deleted_at": null,
"transfer_type": "transfer",
"global_id": "WAG010101.ITBY",
"test_for_terpenes": 0,
"transporter_name1": "Mary Jane Doe",
"transporter_name2": "",
"global_mme_id": "WASTATE1.MM18",
"global_user_id": "WASTATE1.US5",
"global_from_mme_id": "WASTATE1.MM18",
"global_to_mme_id": "WASTATE1.MM1T",
"global_from_user_id": "WASTATE1.US5",
"global_to_user_id": null,
"global_from_customer_id": null,
"global_to_customer_id": null,
"global_transporter_user_id": null,
"global_transporting_mme_id": null,
}]
```

```
}
```

*Request #2 (filtered)*GET https://watest.leafdatazone.com/api/v1/inventory_transfers?f_global_id=WAG010101.ITBY*Example Response #2*

```

{
  "total": 1,
  "per_page": 2500,
  "current_page": 1,
  "last_page": 1,
  "next_page_url": null,
  "prev_page_url": null,
  "from": 1,
  "to": 1,
  "data": [
    {
      "created_at": "09/12/2018 08:15am",
      "updated_at": "09/12/2018 08:15am",
      "hold_starts_at": "",
      "number_of_edits": null,
      "hold_ends_at": "",
      "external_id": "IBV123",
      "void": 0,
      "transferred_at": "09/12/2018 08:15am",
      "est_departed_at": "09/12/2018 06:13pm",
      "est_arrival_at": "09/12/2018 06:13pm",
      "multi_stop": 0,
      "route": "",
      "stops": "",
      "vehicle_description": "desc",
      "vehicle_year": null,
      "vehicle_color": null,
      "vehicle_vin": "123321",
      "vehicle_license_plate": "123",
      "notes": "",
      "transfer_manifest": null,
      "manifest_type": "delivery",
      "status": "in-transit",
      "type": "inventory",
    }
  ]
}

```

```

"deleted_at": null,
"transfer_type": "transfer",
"global_id": "WAG12.IT1JF",
"test_for_terpenes": 0,
"transporter_name1": "dr1",
"transporter_name2": "dr2",
"global_mme_id": "WASTATE1.MM30",
"global_user_id": "WASTATE1.US1I",
"global_from_mme_id": "WASTATE1.MM30",
"global_to_mme_id": "WASTATE1.MM2Y",
"global_from_user_id": "WASTATE1.US1I",
"global_to_user_id": null,
"global_from_customer_id": null,
"global_to_customer_id": null,
"global_transporter_user_id": null,
"global_transporting_mme_id": null,
"inventory_transfer_items": [
  {
    "created_at": "09/12/2018 08:15am",
    "updated_at": "09/12/2018 08:15am",
    "external_id": "",
    "is_sample": 1,
    "sample_type": "lab_sample",
    "product_sample_type": "",
    "description": "WAG12.IN8HN WAG12.BA5PP",
    "qty": "1.0000",
    "price": "0.00",
    "uom": "ea",
    "received_at": "",
    "received_qty": null,
    "deleted_at": null,
    "retest": 0,
    "global_id": "WAG12.II27U",
    "is_for_extraction": 0,
    "propagation_source": "none",
    "inventory_name": "Charlotte's Web Pre-Packs - 3.5gm",
    "intermediate_type": "usable_marijuana",
    "strain_name": "IBVSTARIN 1",
    "global_mme_id": "WASTATE1.MM30",
    "global_user_id": "WASTATE1.US1I",

```

```

"global_batch_id": "WAG12.BA5PP",
"global_plant_id": null,
"global_inventory_id": "WAG12.IN8HN",
"global_lab_result_id": null,
"global_received_area_id": null,
"global_received_strain_id": null,
"global_inventory_transfer_id": "WAG12.IT1JF",
"global_received_batch_id": null,
"global_received_inventory_id": null,
"global_received_plant_id": null,
"global_received_mme_id": null,
"global_received_mme_user_id": null,
"global_customer_id": null,
"global_inventory_type_id": "WAG12.TY3DE",
"inventory_type": {
  "created_at": "09/11/2018 07:39am",
  "updated_at": "09/12/2018 03:55am",
  "external_id": "123425",
  "name": "Charlotte's Web Pre-Packs - 3.5gm",
  "description": "",
  "storage_instructions": "",
  "ingredients": "",
  "type": "end_product",
  "allergens": "",
  "contains": "",
  "used_butane": 0,
  "net_weight": "2",
  "packed_qty": null,
  "cost": "0.00",
  "value": "0.00",
  "serving_num": 1,
  "serving_size": 0,
  "uom": "ea",
  "total_marijuana_in_grams": "0.000000",
  "total_marijuana_in_mcg": null,
  "deleted_at": null,
  "intermediate_type": "usable_marijuana",
  "global_id": "WAG12.TY3DE",
  "global_original_id": null,
  "weight_per_unit_in_grams": "0.00",

```

```
    "global_mme_id": "WASTATE1.MM30",  
    "global_user_id": "WASTATE1.US1I",  
    "global_strain_id": null  
  }  
}  
]  
}
```

Create Inventory Transfers

Provides the ability to create an inventory transfer, designating what inventory is being transferred and its destination.

Request

POST https://watest.leafdatazone.com/api/v1/inventory_transfers

Example Request

```

{
  "inventory_transfer": [{
    "manifest_type": "delivery",
    "multi_stop": "0",
    "external_id": "12345",
    "est_departed_at": "10/07/2017 02:00pm",
    "est_arrival_at": "10/07/2017 03:00pm",
    "vehicle_description": "blue mini van",
    "vehicle_license_plate": "RTE123",
    "vehicle_vin": "J1234567890",
    "global_to_mme_id": "WASTATE1.MM24M",
    "transporter_name1": "John",
    "transporter_name2": "",
    "inventory_transfer_items": [{
      "external_id": "",
      "is_sample": 1,
      "sample_type": "product_sample",
      "product_sample_type": "budtender_sample",
      "retest": 0,
      "qty": "1.00",
      "uom": "gm",
      "global_inventory_id": "WAG010101.INZFC"
    }]
  }]
}

```

Example Response

```
[{
  "created_at": "03/30/2018 09:30am",
  "updated_at": "03/30/2018 09:30am",
  "hold_starts_at": "03/30/2018 09:30am",
  "number_of_edits": null,
  "hold_ends_at": "03/31/2018 09:30am",
  "external_id": "12345",
  "void": "0",
  "transferred_at": "",
  "est_departed_at": "10/07/2017 02:00pm",
  "est_arrival_at": "10/07/2017 03:00pm",
  "multi_stop": "0",
  "route": "",
  "stops": "",
  "vehicle_description": "blue mini van",
  "vehicle_year": null,
  "vehicle_color": null,
  "vehicle_vin": "J1234567890",
  "vehicle_license_plate": "RTE123",
  "notes": "",
  "transfer_manifest": null,
  "manifest_type": "delivery",
  "status": "open",
  "type": "inventory",
  "deleted_at": null,
  "transfer_type": "transfer",
  "global_id": "WAG010101.IT9GL",
  "test_for_terpenes": "0",
  "transporter_name1": "John",
  "transporter_name2": "",
  "global_mme_id": "WASTATE1.MM24L",
  "global_user_id": "WASTATE1.US2FE",
  "global_from_mme_id": "WASTATE1.MM24L",
  "global_to_mme_id": "WASTATE1.MM24M",
  "global_from_user_id": "WASTATE1.US2FE",
  "global_to_user_id": null,
  "global_from_customer_id": null,
  "global_to_customer_id": null,
  "global_transporter_user_id": null,
}
```

```

"global_transporting_mme_id": null,
"inventory_transfer_items": [{
  "created_at": "03/30/2018 09:30am",
  "updated_at": "03/30/2018 09:30am",
  "external_id": "",
  "is_sample": "1",
  "sample_type": "product_sample",
  "product_sample_type": "budtender_sample",
  "description": "",
  "qty": "1.0000",
  "price": "0.00",
  "uom": "gm",
  "received_at": "",
  "received_qty": null,
  "deleted_at": null,
  "retest": "0",
  "global_id": "WAG010101.IIEYR",
  "is_for_extraction": "0",
  "inventory_name": "Shark Shock Flower Lots",
  "strain_name": "Shark Shock",
  "global_mme_id": "WASTATE1.MM24L",
  "global_user_id": "WASTATE1.US2FE",
  "global_batch_id": "WAG010101.BA2BSC",
  "global_plant_id": null,
  "global_inventory_id": "WAG010101.INZFC",
  "global_lab_result_id": null,
  "global_received_area_id": null,
  "global_received_strain_id": null,
  "global_inventory_transfer_id": "WAG010101.IT9GL",
  "global_received_batch_id": null,
  "global_received_inventory_id": null,
  "global_received_plant_id": null,
  "global_received_mme_id": null,
  "global_received_mme_user_id": null,
  "global_customer_id": null,
  "global_inventory_type_id": "WAG010101.TY40LF",
  "inventory_type": {
    "created_at": "02/11/2018 07:16pm",
    "updated_at": "02/11/2018 07:16pm",
    "external_id": "",

```

```
"name": "Shark Shock Flower Lots",
"description": "",
"storage_instructions": "",
"ingredients": "",
"type": "harvest_materials",
"allergens": "",
"contains": "",
"used_butane": "0",
"net_weight": "0.00",
"packed_qty": null,
"cost": "0.00",
"value": "0.00",
"serving_num": "",
"serving_size": "",
"uom": "gm",
"total_marijuana_in_grams": "0.00",
"weight_per_unit_in_grams": "",
"deleted_at": null,
"intermediate_type": "flower_lots",
"global_id": "WAG010101.TY40LF",
"global_mme_id": "WASTATE1.MM24L",
"global_user_id": "WASTATE1.US2FE",
"global_strain_id": null
}
}]
}]
```

Update Inventory Transfers

Provides the ability to create an inventory transfer, designating what inventory is being transferred and its destination.

Request

POST https://watest.leafdatazone.com/api/v1/inventory_transfers/update

Example Request

```

{
  "inventory_transfer": [{
    "manifest_type": "delivery",
    "multi_stop": "0",
    "external_id": "12345",
    "est_departed_at": "10/07/2017 02:00pm",
    "est_arrival_at": "10/07/2017 03:00pm",
    "vehicle_description": "blue mini van",
    "vehicle_license_plate": "RTE123",
    "vehicle_vin": "J1234567890",
    "global_to_mme_id": "WASTATE1.MM24M",
    "transporter_name1": "John",
    "transporter_name2": "",
    "global_id": "WAG010101.IT9GL",
    "inventory_transfer_items": [{
      "external_id": "",
      "is_sample": 1,
      "sample_type": "product_sample",
      "product_sample_type": "budtender_sample",
      "retest": 0,
      "qty": "1.00",
      "uom": "gm",
      "global_inventory_id": "WAG010101.INZFC"
    }
  ]
}

```

Example Response

```
[{
  "created_at": "03/30/2018 09:30am",
  "updated_at": "03/30/2018 09:30am",
  "hold_starts_at": "03/30/2018 09:30am",
  "number_of_edits": null,
  "hold_ends_at": "03/31/2018 09:30am",
  "external_id": "12345",
  "void": "0",
  "transferred_at": "",
  "est_departed_at": "10/07/2017 02:00pm",
  "est_arrival_at": "10/07/2017 03:00pm",
  "multi_stop": "0",
  "route": "",
  "stops": "",
  "vehicle_description": "blue mini van",
  "vehicle_year": null,
  "vehicle_color": null,
  "vehicle_vin": "J1234567890",
  "vehicle_license_plate": "RTE123",
  "notes": "",
  "transfer_manifest": null,
  "manifest_type": "delivery",
  "status": "open",
  "type": "inventory",
  "deleted_at": null,
  "transfer_type": "transfer",
  "global_id": "WAG010101.IT9GL",
  "test_for_terpenes": "0",
  "transporter_name1": "John",
  "transporter_name2": "",
  "global_mme_id": "WASTATE1.MM24L",
  "global_user_id": "WASTATE1.US2FE",
  "global_from_mme_id": "WASTATE1.MM24L",
  "global_to_mme_id": "WASTATE1.MM24M",
  "global_from_user_id": "WASTATE1.US2FE",
  "global_to_user_id": null,
  "global_from_customer_id": null,
  "global_to_customer_id": null,
  "global_transporter_user_id": null,
}
```

```

"global_transporting_mme_id": null,
"inventory_transfer_items": [{
  "created_at": "03/30/2018 09:30am",
  "updated_at": "03/30/2018 09:30am",
  "external_id": "",
  "is_sample": "1",
  "sample_type": "product_sample",
  "product_sample_type": "budtender_sample",
  "description": "",
  "qty": "1.0000",
  "price": "0.00",
  "uom": "gm",
  "received_at": "",
  "received_qty": null,
  "deleted_at": null,
  "retest": "0",
  "global_id": "WAG010101.IIEYR",
  "is_for_extraction": "0",
  "inventory_name": "Shark Shock Flower Lots",
  "strain_name": "Shark Shock",
  "global_mme_id": "WASTATE1.MM24L",
  "global_user_id": "WASTATE1.US2FE",
  "global_batch_id": "WAG010101.BA2BSC",
  "global_plant_id": null,
  "global_inventory_id": "WAG010101.INZFC",
  "global_lab_result_id": null,
  "global_received_area_id": null,
  "global_received_strain_id": null,
  "global_inventory_transfer_id": "WAG010101.IT9GL",
  "global_received_batch_id": null,
  "global_received_inventory_id": null,
  "global_received_plant_id": null,
  "global_received_mme_id": null,
  "global_received_mme_user_id": null,
  "global_customer_id": null,
  "global_inventory_type_id": "WAG010101.TY40LF",
  "inventory_type": {
    "created_at": "02/11/2018 07:16pm",
    "updated_at": "02/11/2018 07:16pm",
    "external_id": "",

```

```
"name": "Shark Shock Flower Lots",
"description": "",
"storage_instructions": "",
"ingredients": "",
"type": "harvest_materials",
"allergens": "",
"contains": "",
"used_butane": "0",
"net_weight": "0.00",
"packed_qty": null,
"cost": "0.00",
"value": "0.00",
"serving_num": "",
"serving_size": "",
"uom": "gm",
"total_marijuana_in_grams": "0.00",
"weight_per_unit_in_grams": "",
"deleted_at": null,
"intermediate_type": "flower_lots",
"global_id": "WAG010101.TY40LF",
"global_mme_id": "WASTATE1.MM24L",
"global_user_id": "WASTATE1.US2FE",
"global_strain_id": null
}
}]
}]
```

Lab Results

Lab results refer to the QA testing records that can be associated with inventory lots. Lab result records can only be created by testing lab facilities but can be retrieved by all facilities for any inventory lots that are on hand at that facility (filter by lab result "global_id").

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>batch_type</i>	Denotes the "type" of the related batch to the inventory based on the associated "global batch ID"	enum	propagation material, plant, harvest, intermediate/ end product	"harvest"
<i>cannabinoid_cbc_mg_g</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>cannabinoid_cbc_percent</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>cannabinoid_cbd_mg_g</i>	The results of the cannabinoid testing	decimal (10,3)	0.000	"0.000"
<i>cannabinoid_cbd_percent</i>	The results of the cannabinoid testing	decimal (10,3)	0.000	"0.000"
<i>cannabinoid_cbda_mg_g</i>	The results of the cannabinoid testing	decimal (10,3)	0.000	"0.000"
<i>cannabinoid_cbda_percent</i>	The results of the cannabinoid testing	decimal (10,3)	0.000	"0.000"
<i>cannabinoid_cbdv_mg_g</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>cannabinoid_cbg_mg_g</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>cannabinoid_cbg_percent</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>cannabinoid_cbga_mg_g</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>cannabinoid_cbga_percent</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>cannabinoid_cbn_mg_g</i>	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
cannabinoid_cbn_percent	This parameter has been deprecated and will be removed in an upcoming release			
<i>cannabinoid_d8_thc_mg_g</i>	This is a returned value that is calculated based on the values for d9 thc and d9 thca	decimal (10,3)	0.000	"0.000"
<i>cannabinoid_d8_thc_percent</i>	This is a returned value that is calculated based on the values for d9 thc and d9 thca	decimal (10,3)	0.000	"0.000"
<i>cannabinoid_d9_thc_mg_g</i>	The results of the cannabinoid testing	decimal (10,3)	0.000	"0.000"
<i>cannabinoid_d9_thc_percent</i>	The results of the cannabinoid testing	decimal (10,3)	0.000	"0.000"
<i>cannabinoid_d9_thca_mg_g</i>	The results of the cannabinoid testing	decimal (10,3)	0.000	"0.000"
<i>cannabinoid_editor</i>	The last user to update the record (database value, not UI-facing)	integer(11)	1234567	"1234567"
<i>cannabinoid_editor_mme_id</i>	Auto-generated numeric ID for the user editing the cannabinoid testing (database value, not UI-facing)	integer(11)	1234567	"1234567"
<i>cannabinoid_status</i>	This denotes the stage of completion of the cannabinoid/potency testing; optional upon creation of lab result record, but required to be "completed" for lab result record to be finalized if test is required for product (based on 'type' and 'intermediate_type' of product being tested)	enum	not_started, in_progress, completed	"completed"
cannabinoid_thcv_mg_g	This parameter has been deprecated and will be removed in an upcoming release			
cannabinoid_thcv_percent	This parameter has been deprecated and will be removed in an upcoming release			
<i>copied_from_lab_id</i>	If lab result was completed at a different (subcontracted) lab, their LEAF global lab result ID will appear here	varchar(255)	up to 255 characters	"WAX123456.LR1Z2Y3"
<i>created_at</i>	The date/time a lab result record was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>deleted_at</i>	The date/time a lab result was deleted	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>external_id</i>	An optional free-form field used to hold any identifying factors of a particular lab result	varchar(40)	up to 40 characters	"QA1234567"
<i>for_inventory_id</i>	Auto-generated numeric ID for the inventory associated with the lab result (database value, not UI-facing)	integer(11)	1234567	"1234567"
<i>foreign_matter</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>foreign_matter_seeds</i>	The results of the foreign matter screening for seeds	boolean	0, 1	"1"
<i>foreign_matter_stems</i>	The results of the foreign matter screening for stems ("0"=passing, "1"=failing)	boolean	0, 1	"1"
<i>general use</i>	Denotes product that is not designated as "High THC" or "High CBD"	true/false	"false"	"false"
<i>global_batch_id</i>	The global ID of the batch associated with the inventory lot that the sample came from	varchar(255)	up to 255 characters	"WAX123456.BA1Z2Y3"
<i>global_for_inventory_id</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>global_for_mme_id</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>global_id</i>	Auto-generated unique ID for the lab result	varchar(255)	up to 255 characters	"WAX123456.LR1Z2Y3"
<i>global_inventory_id</i>	The global ID relative to the testing lab of the inventory lot being tested	varchar(255)	up to 255 characters	"WAX123456.IN1Z2Y3"
<i>global_mme_id</i>	The global ID of the licensee where the inventory transfer/inventory item record was created	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
<i>global_user_id</i>	The global ID of the user who created the lab result record	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
<i>growth_regulators</i>	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>herbicides_ppm</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>high_cbd_flag</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>high_cbd</i>	Denotes whether testing has yielded appropriate results for product to be designated as "High CBD"	true/false	"false"	"false"
<i>high_thc_flag</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>high_thc</i>	Denotes whether testing has yielded appropriate results for product to be designated as "High THC"	true/false	"false"	"false"
<i>id</i>	Auto-generated numeric ID for the lab result (database value, not UI-facing)	integer(11)	1234567	"1234567"
<i>intermediate_type</i>	The product subcategory of the inventory type associated with the inventory lot being tested	enum	if "type" = "intermediate_product", then: "marijuana_mix", "non-solvent_based_concentrate", "hydrocarbon_concentrate", "co2_concentrate", "ethanol_concentrate", "food_grade_solvent_concentrate", "infused_cooking_medium"; if "type" = "end_product", then: "liquid_edible", "solid_edible", "concentrate_for_inhalation", "topical", "infused_mix", "packaged_marijuana_mix", "sample_jar", "usable_marijuana", "capsules", "tinctures", "transdermal_patches", "suppositories"; if "type" = "immature_plant", then:	"usable_marijuana"

Parameter	Description	Type	Valid Entries (for WA)	Example
			"seeds", "clones", "plant_tissue"; if "type" = "mature_plant", then: "mature_plant", "non_mandatory_plant_s ample"; if "type" = "harvest_materials", then: "flower", "other_material", "flower_lots", "other_material_lots"; if "type" = "waste", then: "waste"	
<i>lab1_mme_id</i>	Auto-generated numeric ID for the lab who enters the initial result (database value, not UI-facing)	integer(11)	1234567	"1234567"
<i>lab2_mme_id</i>	Auto-generated numeric ID for the lab that updates the lab results (database value, not UI-facing)	integer(11)	1234567	"1234567"
<i>metal_arsenic_ppm</i>	The results of the heavy metal testing	decimal (10,3)	0.000	"0.000"
<i>metal_cadmium_ppm</i>	The results of the heavy metal testing	decimal (10,3)	0.000	"0.000"
<i>metal_editor</i>	The last user to update the record (database value, not UI-facing)	integer(11)	1234567	"1234567"
<i>metal_editor_mme_id</i>	Auto-generated numeric ID for the user editing the metal testing (database value, not UI-facing)	integer(11)	1234567	"1234567"
<i>metal_lead_ppm</i>	The results of the heavy metal testing	decimal (10,3)	0.000	"0.000"
<i>metal_mercury_ppm</i>	The results of the heavy metal testing	decimal (10,3)	0.000	"0.000"
<i>metal_status</i>	This denotes the stage of completion of the heavy metal testing	enum	not_started, in_progress, completed	"completed"
<i>microbial_aerobic_bacteria_cfu_g</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>microbial_bile_tolerant_cfu_g</i>	The results of the microbial testing	decimal (10,3)	0.000	"0.000"
<i>microbial_editor</i>	The last user to update the record (database value, not UI-facing)	integer(11)	1234567	"1234567"
<i>microbial_editor_mme_id</i>	Auto-generated numeric ID for the user editing the microbial testing (database value, not UI-facing)	integer(11)	1234567	"1234567"

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>microbial_pathogenic_e_coli_cfu_g</i>	The results of the microbial testing	decimal (10,3)	0.000	"0.000"
<i>microbial_salmonella_cfu_g</i>	The results of the microbial testing	decimal (10,3)	0.000	"0.000"
<i>microbial_status</i>	This denotes the stage of completion of the microbial testing	enum	not_started, in_progress, completed	"completed"
<i>microbial_total_coliform_cfu_g</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>microbial_total_viable_plate_count_cfu_g</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>microbial_total_yeast_mold_cfu_g</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>mme_id</i>	Auto-generated numeric ID for the lab mme (database value, not UI-facing)	integer(11)	1234567	"1234567"
<i>moisture_content_percent</i>	The results of the moisture content percent analysis	decimal (10,3)	0.000	"0.000"
<i>moisture_content_water_activity_rate</i>	The results of the moisture content analysis	decimal (10,2)	0.000	"0.000"
<i>mycotoxin_aflatoxins_ppb</i>	The results of the mycotoxin testing	decimal (10,3)	0.000	"0.000"
<i>mycotoxin_editor</i>	The last user to update the record (database value, not UI-facing)	integer(11)	1234567	"1234567"
<i>mycotoxin_editor_mme_id</i>	Auto-generated numeric ID for the user editing the mycotoxin testing (database value, not UI-facing)	integer(11)	1234567	"1234567"
<i>mycotoxin_ochratoxin_ppb</i>	The results of the mycotoxin testing	decimal (10,3)	0.000	"0.000"
<i>mycotoxin_status</i>	This denotes the stage of completion of the mycotoxin testing	enum	not_started, in_progress, completed	"completed"
<i>notes</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>og_parent_lab_result_id</i>	If lab result is a retest replacing a parent lab result, the parent lab result global ID will appear here	varchar(255)	up to 255 characters	"WAX123456.LR1Z2Y3"
<i>pdf_path</i>	The base64-encoded file reference for the pdf lab results/Certificate of Analysis	base64-encoded file path	css;base64,/9j/4AAQSkZJRgABAQEAWgBaAAD/4gxYSUNDX1	"css;base64,/9j/4AAQSkZJRgABAQEAWgBaAAD/4gxYSUNDX1"

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>pesticide_abamectin_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_acephate_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_acequinocyl_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_acetamiprid_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_aldicarb_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_azoxystrobin_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_bifenazate_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_bifenthrin_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_bifentrin_ppm</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>pesticide_boscalid_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_captan_ppm</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>pesticide_carbaryl_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_carbofuran_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_chlorantraniliprole_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_chlorfenapyr_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_chlorpyrifos_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_clofentezine_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_cyfluthrin_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_cypermethrin_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_daminozide_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_ddvp_dichlorvos_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_diazinon_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_dimethoate_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_dimethomorph_ppm</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>pesticide_editor</i>	The last user to update the record (database value, not UI-facing)	integer(11)	1234567	"1234567"

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>pesticide_editor_mme_id</i>	Auto-generated numeric ID for the user editing the pesticide testing (database value, not UI-facing)	integer(11)	1234567	"1234567"
<i>pesticide_ethoprophos_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_etofenprox_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_etoxazole_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_fenhexamid_ppm</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>pesticide_fenoxycarb_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_fenpyroximate_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_fipronil_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_flonicamid_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_fludioxonil_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_hexythiazox_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_imazalil_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_imidacloprid_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_kresoxim_methyl_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_malathion_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_metalaxyl_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_methiocarb_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_methomyl_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_methyl_parathion_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_mgk_264_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_myclobutanil_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_naled_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_oxamyl_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_pacllobutrazol_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_pcnb_ppm</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>pesticide_permethrinsa_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_phosmet_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"

Parameter	Description	Type	Valid Entries (for WA)	Example
pesticide_piperonyl_butoxide_ppm	This parameter has been deprecated and will be removed in an upcoming release			
<i>pesticide_piperonyl_butoxide_b_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_prallethrin_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_propiconazole_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_propoxur_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_pyrethrin_ppm	This parameter has been deprecated and will be removed in an upcoming release			
<i>pesticide_pyrethrinsbc_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_pyridaben_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_spinetoram_ppm	This parameter has been deprecated and will be removed in an upcoming release			
<i>pesticide_spinosad_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_spiromesifen_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_spirotetramat_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_spirotetramet_ppm	This parameter has been deprecated and will be removed in an upcoming release			
<i>pesticide_spiroxamine_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_status</i>	This denotes the stage of completion of the pesticide testing	enum	not_started, in_progress, completed	"completed"
<i>pesticide_tebuconazole_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_thiacloprid_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_thiamethoxam_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
<i>pesticide_trifloxystrobin_ppm</i>	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
received_at	This parameter has been deprecated and will be removed in an upcoming release			
<i>solvent_acetone_ppm</i>	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
<i>solvent_benzene_ppm</i>	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
<i>solvent_butanes_ppm</i>	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
<i>solvent_chloroform_ppm</i>	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
<i>solvent_cyclohexane_ppm</i>	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>solvent_dichloromethane_ppm</i>	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
<i>solvent_editor</i>	The last user to update the record (database value, not UI-facing)	integer(11)	1234567	"1234567"
<i>solvent_editor_mme_id</i>	Auto-generated numeric ID for the user editing the residual solvent testing (database value, not UI-facing)	integer(11)	1234567	"1234567"
<i>solvent_ethyl_acetate_ppm</i>	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
<i>solvent_heptanes_ppm</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>solvent_heptane_ppm</i>	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
<i>solvent_hexanes_ppm</i>	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
<i>solvent_isopropanol_ppm</i>	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
<i>solvent_methanol_ppm</i>	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
<i>solvent_pentanes_ppm</i>	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
<i>solvent_propane_ppm</i>	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
<i>solvent_status</i>	This denotes the stage of completion of the residual solvent testing	enum	not_started, in_progress, completed	"completed"
<i>solvent_toluene_ppm</i>	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
<i>solvent_xylene_ppm</i>	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
<i>status</i>	Overall "pass/fail" status of the lab result	enum	passed, failed	"passed"
<i>strain_name</i>	Name of the strain associated with the inventory lot the sample came from	varchar(255)	up to 255 characters	"Dewberry Haze"
<i>terpenoid_b_caryophyllene_mg_g</i>	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
terpenoid_b_caryophyllene_percent	This parameter has been deprecated and will be removed in an upcoming release			
terpenoid_b_myrcene_mg_g	This parameter has been deprecated and will be removed in an upcoming release			
terpenoid_b_myrcene_percent	This parameter has been deprecated and will be removed in an upcoming release			
terpenoid_b_pinene_mg_g	This parameter has been deprecated and will be removed in an upcoming release			
terpenoid_b_pinene_percent	This parameter has been deprecated and will be removed in an upcoming release			
terpenoid_bisabolol_mg_g	This parameter has been deprecated and will be removed in an upcoming release			
terpenoid_bisabolol_percent	This parameter has been deprecated and will be removed in an upcoming release			
terpenoid_caryophyllene_oxide_mg_g	This parameter has been deprecated and will be removed in an upcoming release			
terpenoid_caryophyllene_oxide_percent	This parameter has been deprecated and will be removed in an upcoming release			
terpenoid_editor	This parameter has been deprecated and will be removed in an upcoming release			
terpenoid_humulene_mg_g	This parameter has been deprecated and will be removed in an upcoming release			
terpenoid_humulene_percent	This parameter has been deprecated and will be removed in an upcoming release			
terpenoid_limonene_mg_g	This parameter has been deprecated and will be removed in an upcoming release			
terpenoid_limonene_percent	This parameter has been deprecated and will be removed in an upcoming release			
terpenoid_linalool_mg_g	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
terpenoid_linalool_percent	This parameter has been deprecated and will be removed in an upcoming release			
terpenoid_pinene_mg_g	This parameter has been deprecated and will be removed in an upcoming release			
terpenoid_pinene_percent	This parameter has been deprecated and will be removed in an upcoming release			
terpenoid_status	This parameter has been deprecated and will be removed in an upcoming release			
terpenoid_terpinolene_mg_g	This parameter has been deprecated and will be removed in an upcoming release			
terpenoid_terpinolene_percent	This parameter has been deprecated and will be removed in an upcoming release			
<i>test_for_terpenes</i>	Denotes whether the licensee is requesting non-mandatory terpene testing	boolean	0, 1	"1"
<i>tested_at</i>	The date that the lab result record becomes complete	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>testing_status</i>	Denotes the stage of completion of the entirety of the lab result record; optional upon creation of lab result record, but required to be "completed" for lab result record to be finalized	enum	not_started, in_progress, completed	"completed"
<i>type</i>	The primary category of the inventory type associated with the inventory lot being tested	enum	immature_plant, mature_plant, harvest_materials, intermediate_product, end_product, waste	"end_product"
<i>updated_at</i>	The date/time a lab result was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>user_id</i>	Auto-generated numeric ID for the user who created the lab result record (database value, not UI-facing)	integer(11)	1234567	"1234567"

* = modifiable; <bold> = required field; <italics> = returned value; = deprecated value, pending removal

Filters

Parameter	Filter
external_id	?f_external_id={external_id}
global_batch_id	?f_batch_id={global_batch_id}
global_id	?f_global_id={global_id}
status	?f_status={status}
testing_status	?f_testing_status={testing_status}
type	?f_type={type}

Available Functions

Get Lab Results

Get Lab Results

Returns all lab result records related to inventory lots within a licensed facility

Request

GET https://watest.leafdatasystems.com/api/v1/lab_results

Response

```

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  "last_page": 1,
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  "prev_page_url": null,
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  "to": 6,
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      "lab1_mme_id": null,
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"strain_name": "",
"high_thc": false,
"high_cbd": true,
"general_use": false,
"inventory": {
  "created_at": "09/25/2018 10:50am",
  "updated_at": "09/25/2018 11:01am",
  "external_id": "",
  "released_by_state": null,
  "lab_retest_id": null,
  "is_initial_inventory": "0",
  "net_weight": "0.00",
  "inventory_created_at": "",
  "inventory_expires_at": "",
  "inventory_packaged_at": "09/25/2018",
  "qty": "5.0000",
  "packed_qty": null,
  "cost": "0.00",

```

```

"value": "0.00",
"source": "",
"uom": "gm",
"total_marijuana_in_grams": "0.00",
"additives": "",
"-serving_num": "1",
"-serving_size": "0",
"marijuana_type": null,
"sent_for_testing": "1",
"deleted_at": null,
"last_harvest_stage": null,
"medically_compliant": "0",
"global_id": "WAL400004.IN7DNE",
"legacy_id": null,
"lab_result_file_path": null,
"lab_results_attested": "0",
"lab_results_date": null,
"global_original_id": "WAM200002.IN7DNC",
"propagation_source": "none",
"global_mme_id": "WAWA1.MM1VD",
"global_user_id": "WAWA1.US4",
"global_batch_id": "WAL400004.BAU82",
"global_area_id": "WAL400004.ARHEI",
"global_lab_result_id": "WAL400004.LRKPX",
"global_strain_id": null,
"global_inventory_type_id": "WAL400004.TYIGS",
"global_created_by_mme_id": "WAWA1.MM1VB",
"inventory_type": {
  "created_at": "09/25/2018 10:50am",
  "updated_at": "09/25/2018 10:50am",
  "external_id": "",
  "name": "White Widow Bubble Hash",
  "description": "",
  "storage_instructions": "",

```

```

      "ingredients": "",
      "type": "intermediate_product",
      "allergens": "",
      "contains": "",
      "used_butane": "0",
      "net_weight": "",
      "packed_qty": null,
      "cost": "0.00",
      "value": "0.00",
      "serving_num": 1,
      "serving_size": "0",
      "uom": "gm",
      "total_marijuana_in_grams": "0.000000",
      "total_marijuana_in_mcg": "0",
      "deleted_at": null,
      "intermediate_type": "non-solvent_based_concentrate",
      "global_id": "WAL400004.TYIGS",
      "global_original_id": "23930",
      "weight_per_unit_in_grams": "0.00",
      "global_mme_id": "WAWA1.MM1VD",
      "global_user_id": "WAWA1.US4",
      "global_strain_id": null
    }
  },
  "for_inventory": {
    "id": 344280,
    "created_at": "09/25/2018 10:48am",
    "updated_at": "09/25/2018 11:01am",
    "mme_id": "2423",
    "user_id": "4",
    "external_id": "",
    "area_id": "22539",
    "batch_id": "39169",
    "lab_result_id": "26853",

```

```

"released_by_state": null,
"lab_retest_id": null,
"is_initial_inventory": "0",
"net_weight": "0.00",
"inventory_created_at": "",
"inventory_expires_at": "",
"inventory_packaged_at": "",
"created_by_mme_id": "0",
"qty": "140.0000",
"packed_qty": null,
"cost": "0.00",
"value": "0.00",
"source": null,
"uom": "gm",
"strain_id": "9167",
"total_marijuana_in_grams": "0.00",
"inventory_type_id": "23930",
"additives": "",
"serving_num": "1",
"serving_size": "0",
"marijuana_type": null,
"sent_for_testing": "1",
"deleted_at": null,
"last_harvest_stage": null,
"medically_compliant": "0",
"global_id": "WAM200002.IN7DNC",
"legacy_id": null,
"lab_result_file_path": null,
"lab_results_attested": "0",
"lab_results_date": "",
"global_original_id": null,
"propagation_source": "none",
"inventory_type": {
    "created_at": "09/25/2018 10:47am",

```

```

    "updated_at": "09/25/2018 10:47am",
    "external_id": "",
    "name": "White Widow Bubble Hash",
    "description": "",
    "storage_instructions": "",
    "ingredients": "",
    "type": "intermediate_product",
    "allergens": "",
    "contains": "",
    "used_butane": "0",
    "net_weight": "",
    "packed_qty": null,
    "cost": "0.00",
    "value": "0.00",
    "serving_num": 1,
    "serving_size": "0",
    "uom": "gm",
    "total_marijuana_in_grams": "0.000000",
    "total_marijuana_in_mcg": null,
    "deleted_at": null,
    "intermediate_type": "non-solvent_based_concentrate",
    "global_id": "WAM200002.TYIGQ",
    "global_original_id": null,
    "weight_per_unit_in_grams": "0.00",
    "global_mme_id": "WAWA1.MM1VB",
    "global_user_id": "WAWA1.US4",
    "global_strain_id": null
  }
}
}

```

Plants

Plant records are created (either upon creation of a "plant" type batch or in addition to an existing "plant" type batch) to represent individual plants at a production facility that are in their vegetative or flowering phases. Once plants are no longer living at the facility, their stage denotes their disposition, such as "harvested", "destroyed", "transferred", or "seized". Since immature plants (propagation material such as seeds, clones, and tissue culture) are treated as "inventory", plant records are not created for these immature plants until they reach their vegetative phase. A plant's "area" and "strain" is driven by the batch to which it is associated.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
additives	This parameter has been deprecated and will be removed in an upcoming release			
<i>area_id</i>	Auto-generated numeric ID for the area where the plant is located (database value, not UI-facing)	integer(11)	1234567	"1234567"
<i>area_name</i>	Name of the area associated with the batch	varchar(255)	up to 255 characters	"Flowering Room 100"
<i>batch_id</i>	Auto-generated numeric ID for the batch related to this instance of a plant (database value, not UI-facing)	integer(11)	1234567	"1234567"
batch_source	This parameter has been deprecated and will be removed in an upcoming release			
<i>created_at</i>	The date/time a plant record was created	datetime	yyyy-mm-dd hh:mm:ss	"2018-01-02 12:34:56"
<i>deleted_at</i>	The date/time a plant record was deleted	datetime	yyyy-mm-dd hh:mm:ss	"2018-01-02 12:34:56"
<i>external_id*</i>	An optional free-form field used to hold any identifying factors of a particular plant	varchar(40)	up to 40 characters	"PL1234567"
<i>global_area_id</i>	The global ID of the area where the plant is located	varchar(255)	WAX123456.AR1Z2Y3	"WAX123456.AR1Z2Y3"
global_batch_id*	The global ID of the batch associated with the plant	varchar(255)	up to 255 characters	"WAX123456.BA1Z2Y3"
<i>global_id</i>	Auto-generated unique ID for the plant	varchar(255)	up to 255 characters	"WAX123456.PL1Z2Y3"
<i>global_mme_id</i>	The global ID of the licensed facility where the plant was created	varchar(255)	WAWA1.MM1Z2Y3	"WAWA1.MM1Z2Y3"

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>global_strain_id</i>	The global ID of the strain associated with the plant	varchar(255)	up to 255 characters	"WAX123456.ST1Z2Y3"
<i>global_user_id</i>	The global ID of the user who created the plant	varchar(255)	WAWA1.US1Z2Y3	"WAWA1.US1Z2Y3"
<i>group_name</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>id</i>	Auto-generated numeric ID for this instance of a plant (database value, not UI-facing)	integer(11)	1234567	"1234567"
<i>inventory_id</i>	If plant has been moved to inventory, auto-generated numeric ID representing the inventory lot plant is packaged into	integer(11)	1234567	"1234567"
<i>is_initial_inventory*</i>	Denotes whether a plant represents post-contingency on hand inventory created by 4/30/2018	boolean	0, 1	"1"
<i>is_mother*</i>	Designates a plant as a mother plant	boolean	0, 1	"1"
<i>last_moved_at</i>	The date/time a plant record was moved from one area to another	datetime	yyyy-mm-dd hh:mm:ss	"2018-01-02 12:34:56"
<i>legacy_id</i>	FE term for "legacy_id" is "Contingency/Old Traceability ID"; numeric ID from previous traceability methods entered only if plant is designated as "initial_inventory", in which case it is required	integer(11)	1234567898765432	"1234567898765432"
<i>mme_code</i>	Licensee ID of the licensed facility where the plant was created	varchar(255)	up to 255 characters	"G010101"
<i>mme_id</i>	Auto-generated numeric ID representing the licensee who owns the plant (database value, not UI-facing)	integer(11)	1234567	"1234567"
<i>mme_name</i>	Name of the licensed facility where the plant was created	varchar(255)	up to 255 characters	"Training Producer"
<i>mother_plant_id</i>	Auto-generated numeric ID of the "mother_plant" related to this plant record (database value, not UI-facing)	integer(11)	1234567	"1234567"
<i>notes</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>nutrients</i>	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
origin	Indicates propagation source of the plant (for "propagation material", "plant", and "harvest" batch types)	enum	seed, clone, plant, tissue	"clone"
pesticides	This parameter has been deprecated and will be removed in an upcoming release			
plant_created_at	The date/time a plant record was created (returned datetime format differs from create datetime format)	datetime	mm/dd/yyyy	"01/23/2018"
<i>plant_created_at</i>	The date/time a plant record was created (returned datetime format differs from create datetime format); this value is returned upon original creation of a plant record, but is required for updating a plant record	datetime	yyyy-mm-dd hh:mm:ss	"2018-01-02 12:34:56"
plant_harvested_at*	The date/time a plant record was harvested	datetime	yyyy-mm-dd hh:mm:ss	"2018-01-02 12:34:56"
plant_harvested_end_at*	The date/time a plant record harvest ended	datetime	yyyy-mm-dd hh:mm:ss	"2018-01-02 12:34:56"
stage*	Current development stage of the plants in the batch	enum	propagation_material, growing, harvested, packaged, destroyed	"growing"
<i>strain_id</i>	Auto-generated numeric ID representing the strain related to this plant record (database value, not UI-facing)	integer(11)	1234567	"1234567"
<i>strain_name</i>	Name of the strain associated with the batch	varchar(255)	up to 255 characters	"Dewberry Haze"
<i>updated_at</i>	The date/time a plant record was updated	datetime	yyyy-mm-dd hh:mm:ss	"2018-01-02 12:34:56"
<i>user_id</i>	Auto-generated numeric ID representing the user who created this plant record (database value, not UI-facing)	integer(11)	1234567	"1234567"

* = modifiable; bold = required field; <i>italics</i> = returned value; strikethrough = deprecated value, pending removal

Filters

Parameter	Filter
external_id	?f_external_id={external_id}
global_batch_id	?f_batch_id={global_batch_id}
global_id	?f_global_id={global_id}
origin	?f_origin={propagation source}

Available Functions

- Get Plants
- Create Plants
- Update Plants
- Delete Plants

Get Plants

Returns all plants within a licensed facility

Request

GET <https://watest.leafdatazone.com/api/v1/plants>

Example Response

```
{
  "total": 2,
  "per_page": 2500,
  "current_page": 1,
  "last_page": 1,
  "next_page_url": null,
  "prev_page_url": null,
  "from": 1,
  "to": 2,
  "data": [{
    "id": 53276,
    "created_at": "2017-12-21 12:08:30",
    "updated_at": "2017-12-21 12:08:30",
    "mme_id": 42,
    "user_id": 39,
    "external_id": "000120117.5246798",
    "area_id": 226,
    "batch_id": 636,
    "mother_plant_id": 0,
    "plant_created_at": "2017-12-21 00:00:00",
    "plant_harvested_at": "0000-00-00 00:00:00",
    "is_initial_inventory": 0,
    "origin": "clone",
    "stage": "growing",
    "notes": "",
    "group_name": "",
    "pesticides": "",
    "nutrients": "",
    "strain_id": 185,
    "additives": "",
    "is_mother": 0,
  }
}
```

```

    "deleted_at": null,
    "last_moved_at": null,
    "plant_harvested_end_at": null,
    "global_id": "WAG010101.PL153W",
    "inventory_id": 0,
    "legacy_id": null,
    "global_area_id": "WAG010101.AR6A",
    "area_name": "Transfer Hold",
    "global_batch_id": "WAG010101.BAHO",
    "batch_source": "inhouse",
    "global_mme_id": "WAG010101.MM16",
    "mme_name": "Training Producer",
    "mme_code": "G010101",
    "global_user_id": "WAG010101.US13",
    "global_strain_id": "WAG010101.ST55",
    "strain_name": "Jack Herer"
  },
  {
    "id": 53275,
    "created_at": "2017-12-21 12:03:43",
    "updated_at": "2017-12-21 12:03:43",
    "mme_id": 42,
    "user_id": 39,
    "external_id": "000120117.5246798",
    "area_id": 204,
    "batch_id": 635,
    "mother_plant_id": 0,
    "plant_created_at": "2017-12-21 00:00:00",
    "plant_harvested_at": "0000-00-00 00:00:00",
    "is_initial_inventory": 0,
    "origin": "seed",
    "stage": "growing",
    "notes": "",
    "group_name": "",
    "pesticides": "",
    "nutrients": "",
    "strain_id": 185,
    "additives": "",
    "is_mother": 0,
    "deleted_at": null,
  }

```

```
"last_moved_at": null,  
"plant_harvested_end_at": null,  
"global_id": "WAG010101.PL153V",  
"inventory_id": 0,  
"legacy_id": null,  
"global_area_id": "WAG010101.AR50",  
"area_name": "Sales Floor",  
"global_batch_id": "WAG010101.BAHN",  
"batch_source": "inhouse",  
"global_mme_id": "WASTATE1.MM16",  
"mme_name": "Training Producer",  
"mme_code": "G010101",  
"global_user_id": "WASTATE1.US13",  
"global_strain_id": "WAG010101.ST55",  
"strain_name": "Jack Herer"  
}  
]  
}
```

Create Plants

Provides the ability to create plants within a licensed facility

Request

POST <https://watest.leafdatazone.com/api/v1/plants>

Example Request

```
{
  "plant": [{
    "origin": "seed",
    "stage": "growing",
    "global_batch_id": "WAG010101.BADV"
  }]
}
```

Example Response

```
[{
  "external_id": "012345",
  "origin": "seed",
  "plant_created_at": "12/22/2017",
  "stage": "growing",
  "updated_at": "12/22/2017 01:30pm",
  "created_at": "12/22/2017 01:30pm",
  "plant_harvested_at": "",
  "is_initial_inventory": 0,
  "notes": "",
  "group_name": "",
  "pesticides": "",
  "nutrients": "",
  "additives": "",
  "is_mother": "",
  "deleted_at": "",
  "last_moved_at": "",
  "plant_harvested_end_at": "",
  "legacy_id": "",
  "global_id": "WAG010101.PL15AU",
  "global_mme_id": "WAG010101.MM18",
  "global_user_id": "WAG010101.US13",
  "global_batch_id": "WAG010101.BADV",
  "global_area_id": "WAG010101.AR64",
  "global_mother_plant_id": null,
  "global_strain_id": "WAG010101.ST4U"
}]
```

Update Plants

Provides the ability to update existing plants within a licensed facility

Request

POST <https://watest.leafdatazone.com/api/v1/plants/update>

Example Request

```
{
  "plant": [{
    "global_id": "WAG010101.PL1X2Y3Z",
    "origin": "seed",
    "stage": "growing",
    "global_batch_id": "WAG010101.BADV",
    "plant_created_at": "01/23/2014"
  }]
}
```

Example Response

```
[{
  "external_id": "012345",
  "origin": "seed",
  "plant_created_at": "12/22/2017",
  "stage": "growing",
  "updated_at": "12/22/2017 01:30pm",
  "created_at": "12/22/2017 01:30pm",
  "plant_harvested_at": "",
  "is_initial_inventory": 0,
  "notes": "",
  "group_name": "",
  "pesticides": "",
  "nutrients": "",
  "additives": "",
  "is_mother": "",
  "deleted_at": "",
  "last_moved_at": "",
  "plant_harvested_end_at": "",
  "legacy_id": "",
  "global_id": "WAG010101.PL15AU",
  "global_mme_id": "WAG010101.MM18",
  "global_user_id": "WAG010101.US13",
  "global_batch_id": "WAG010101.BADV",
  "global_area_id": "WAG010101.AR64",
  "global_mother_plant_id": null,
  "global_strain_id": "WAG010101.ST4U"
}]
```

Delete Plants

Provides the ability to delete plant records

SPECIAL NOTE FROM THE LCB REGARDING DELETION OF RECORDS:

Deleting records should be done as a last resort. The adjustment function should ALWAYS be the first tool used to correct any user error.

If the adjustment function does not resolve your issue, you will need LCB approval before you use the delete function. Please follow the steps below to obtain approval.

Email MJExaminer@lcb.wa.gov

Include your license number, trade name, a screen shot of the record(s) you want to delete from your system and brief explanation as to why this record must be permanently removed from your system.

LCB will review the request and respond accordingly.

LCB wants to ensure compliance, accurate data and that the deletion of one record will not break associations to other data.

Records that have associations to other data, if deleted, “break” that association. For example, once records such as “areas”, “strains”, and “inventory types” are related to batches/plants/inventory lot, deleting these records will “break” the batch/plant/inventory lot that no longer has the necessary correspondences to exist. “Areas”, for instance, are required for all batches that are created. If an area that is associated with a batch is deleted, the batch will no longer function properly. MJ Freeway cannot restore the deleted data.

DELETING RECORDS IN LEAF DATA SYSTEMS IS AN IRREVERSIBLE ACTION.

Request

DELETE https://watest.leafdatazone.com/api/v1/plants/{global_plant_id}

Example Request

<https://watest.leafdatazone.com/api/v1/plants/WAG010101.PLX9Y>

Sales

Sale records represent both wholesale and retail transactions, so the GET call will return any related sale records at a facility.

Retail transactions (for Retailers) are created through a sale POST call, while wholesale transactions (for Producers and Processors) are created by associating sale prices with inventory lots on an inventory transfer.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>batch_type</i>	Denotes the "type" of the related batch to the inventory based on the associated "global batch ID"	enum	propagation material, plant, harvest, intermediate/ end product	"harvest"
<i>caregiver_id</i>	ID assigned to caregiver for patient	varchar(255)	up to 255 characters	"0123459876"
<i>cost_total</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>cost</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>created_at</i>	The date/time a sale record was created	datetime	yyyy-mm-dd hh:mmXm	"2018-01-02 12:34Xm"
<i>deleted_at</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>discount_total</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>external_id (sale)</i>	An optional free-form field used to hold any identifying factors of a particular sale record	varchar(40)	up to 40 characters	"SALE1234567"
<i>external_id (inventory item)</i>	An optional free-form field used to hold any identifying factors of an inventory item	varchar(40)	up to 40 characters	"LOT1234567"
<i>global_area_id</i>	The global ID of the area where the inventory was sold from	varchar(255)	WAX123456.AR1Z2Y3	"WAX123456.AR1Z2Y3"
<i>global_customer_id</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>global_id</i>	Auto-generated unique ID for the sale record	varchar(255)	up to 255 characters	"WAX123456.SA1Z2Y3"
<i>global_id (sale item)</i>	Auto-generated unique ID for the sale item(s) associated with a sale	varchar(255)	up to 255 characters	"WAX123456.SI1Z2Y3"
<i>global_inventory_id</i>	The global ID of the inventory lot(s) being sold	varchar(255)	up to 255 characters	"WAX123456.IN1Z2Y3"
<i>global_mme_id</i>	The global ID of the licensed facility where the sale record was created	varchar(255)	WAWA1.MM1Z2Y3	"WAWA1.MM1Z2Y3"
<i>global_sold_by_user_id</i>	The global ID of the user who performed the sale transaction	varchar(255)	WAWA1.US1Z2Y3	"WAWA1.US1Z2Y3"
<i>global_user_id</i>	The global ID of the user who created the sale record	varchar(255)	WAWA1.US1Z2Y3	"WAWA1.US1Z2Y3"
<i>name</i>	The name assigned to the inventory item being sold, derived from the inventory type associated with the inventory lot	varchar(255)	up to 255 characters	"Dewberry Haze Pre-Packs 3.5gm"
<i>patient_medical_id</i>	ID assigned to medical marijuana patient; required if "type"="retail_medical"	varchar(255)	up to 255 characters	"0123459876"

Parameter	Description	Type	Valid Entries (for WA)	Example
potency	This parameter has been deprecated and will be removed in an upcoming release			
price_total	The total sale price based on the unit_price multiplied by the quantity of items being sold	decimal(14,2)	1234.56	"1234.56"
qty	The number of a particular inventory item that is being sold	decimal(14,2)	1234.56	"1234.56"
reason	This parameter has been deprecated and will be removed in an upcoming release			
returned_at	This parameter has been deprecated and will be removed in an upcoming release			
returned_reason	This parameter has been deprecated and will be removed in an upcoming release			
return_to_inventory	Required field if "status"="return" denoting whether or not the inventory lot associated with the sale should be incremented by the amount being returned (allows for "refund" function that is separate from "restock" function)	boolean	0, 1	"0"
<i>sale_item_id</i>	Auto-generated numeric ID for an item associated with a sale record (database value, not UI-facing)	integer(11)	1234567	"1234567"
sale_item_taxes	This parameter has been deprecated and will be removed in an upcoming release			
sold_at	This offers the ability to denote the date a sale occurred, relative to "Sold Date" in UI (/sales/create); marked as "required" as sale record does not return in GET call without this field populated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
source	This parameter has been deprecated and will be removed in an upcoming release			
status	Designates whether the sale transaction is a sale or return	enum	sale, return	"sale"
tax_total	This parameter has been deprecated and will be removed in an upcoming release			
type	Designates whether a retail sale is to a medical patient or recreational customer	enum	retail_medical, retail_recreational	"retail_recreational"
unit_cog	This parameter has been deprecated and will be removed in an upcoming release			
unit_price	The sale price of an individual unit of the inventory being sold	decimal(14,2)	1234.56	"1234.56"
<i>uom</i>	The unit of measure associated with the inventory lot being sold, derived from the associated inventory types	enum	gm, ea	"gm"
updated_at	The date/time a sale record was created	datetime	yyyy-mm-dd hh:mmXm	"2018-01-02 12:34Xm"
value	This parameter has been deprecated and will be removed in an upcoming release			

* = modifiable; <bold> = required field; <italics> = returned value; = deprecated value, pending removal

Filters

Parameter	Filter
external_id	?f_external_id={external_id}
global_area_id	?f_area_id={global_area_id}
global_id	?f_global_id={global_id}
sale_type	?f_sale_type={sale_type}
sold_at	?f_date1={mm}/{dd}/{yyyy}&f_date2={mm}/{dd}/{yyyy}
status	?f_status={status}

Available Functions

- Get Sales
- Create Sales
- Update Sales

Get Sales

Returns all sale records within a licensed facility

Request

GET <https://watest.leafdatasystems.com/api/v1/sales>

Example Response

```
{
  "total": 1,
  "per_page": 2500,
  "current_page": 1,
  "last_page": 1,
  "next_page_url": null,
  "prev_page_url": null,
  "from": 1,
  "to": 1,
  "data": [{
    "created_at": "03/22/2018 04:10pm",
    "updated_at": "03/22/2018 04:10pm",
    "external_id": "",
    "patient_medical_id": "123",
    "sold_at": "03/22/2018",
    "type": "retail_medical",
    "price_total": "0.00",
    "reason": "",
    "status": "sale",
    "deleted_at": null,
    "global_id": "WAR300003.SA1YO",
    "caregiver_id": "321",
    "global_mme_id": "WAWA1.MM1VC",
    "global_user_id": "WAWA1.US4",
    "global_sold_by_user_id": "WAWA1.US4",
    "sale_items": [{
      "created_at": "03/22/2018 04:10pm",
      "updated_at": "03/22/2018 04:10pm",
      "external_id": "",
      "use_by_date": "",
      "sold_at": "03/22/2018",

```

```
    "qty": "1.0000",
    "uom": "ea",
    "unit_price": "0.00",
    "price_total": "0.00",
    "returned_reason": "",
    "returned_at": "0000-00-00 00:00:00",
    "total_marijuana_in_grams": "0.00",
    "name": "Dewberry Haze Pre-Packs 3.5gm",
    "deleted_at": null,
    "global_id": "WAR300003.SI36U",
    "global_mme_id": "WAWA1.MM1VC",
    "global_user_id": "WAWA1.US4",
    "global_sale_id": "WAR300003.SA1YO",
    "global_batch_id": "WAR300003.BA50",
    "global_returned_by_user_id": null,
    "global_inventory_id": "WAR300003.IN8V"
  }
}
```

Create Sales

Provides the ability to create sale transactions within a licensed facility

Request

POST <https://watest.leafdatasystems.com/api/v1/sales>

Example Request

```
{
  "sale": [{
    "external_id": "12345",
    "type": "retail_recreational",
    "patient_medical_id": "",
    "caregiver_id": "",
    "sold_at": "12/01/2017",
    "price_total": "30.00",
    "status": "sale",
    "global_sold_by_user_id": "WAR030303.USA7G6",
    "sale_items": [{
      "external_id": "12345",
      "type": "sale",
      "sold_at": "12/01/2017",
      "qty": "2.00",
      "uom": "ea",
      "unit_price": "30.00",
      "price_total": "60.00",
      "name": "Dewberry Haze Pre-Packs 3.5gm",
      "global_batch_id": "WAR030303.BAEV",
      "global_inventory_id": "WAR030303.IN9A"
    }]
  }]
}
```

Example Response

```
[
  {
    "created_at": "9/01/2018 03:05pm",
    "updated_at": "9/01/2018 03:05pm",
    "external_id": "12345",
    "patient_medical_id": "",
```

```

"sold_at": "09/01/2018",
"type": "retail_recreational",
"price_total": "60.00",
"reason": "",
"status": "sale",
"deleted_at": null,
"global_id": "WAR300003.SA2U1L",
"caregiver_id": "",
"global_mme_id": "WAWA1.MM1VC",
"global_user_id": "WAWA1.US4",
"global_sold_by_user_id": "WAWA1.US3AM",
"sale_items": [
  {
    "created_at": "9/01/2018 03:05pm",
    "updated_at": "9/01/2018 03:05pm",
    "external_id": "12345",
    "use_by_date": "",
    "sold_at": "09/01/2018",
    "qty": "2.0000",
    "uom": "ea",
    "unit_price": "30.00",
    "price_total": "60.00",
    "returned_reason": "",
    "returned_at": "0000-00-00 00:00:00",
    "total_marijuana_in_grams": "0.00",
    "name": "ACDC Eighths",
    "deleted_at": null,
    "global_id": "WAR300003.SI1042",
    "global_mme_id": "WAWA1.MM1VC",
    "global_user_id": "WAWA1.US4",
    "global_sale_id": "WAR300003.SA2U1L",
    "global_batch_id": "WAR300003.BAUNG",
    "global_returned_by_user_id": null,
    "global_inventory_id": "WAR300003.IN7EBO"
  }
]
}
]

```

Update Sales

Provides the ability to update the unit price of sale items within a sale transaction

Request

POST <https://watest.leafdatasystems.com/api/v1/sales/update>

Example Request

```
{
  "sale" : {
    "global_id": "WAR030303.SA1CA",
    "sale_items": [
      {
        "global_id": "WAR030303.SI60",
        "unit_price": 31
      }
    ]
  }
}
```

Example Response

```
{
  "created_at": "09/01/2018 12:35am",
  "updated_at": "09/01/2018 12:35am",
  "external_id": "",
  "patient_medical_id": "",
  "sold_at": "09/01/2018",
  "type": "retail_recreational",
  "price_total": "31.00",
  "reason": "",
  "status": "sale",
  "deleted_at": null,
  "global_id": "WAR030303.SA1CA",
  "caregiver_id": "",
  "global_mme_id": "WASTATE1.MM16",
  "global_user_id": "WASTATE1.US5",
  "global_sold_by_user_id": "WASTATE1.US5",
  "sale_items": [
    {
      "created_at": "09/01/2018 12:35am",
      "updated_at": "09/01/2018 12:38am",
      "external_id": "",

```

```
    "use_by_date": "",
    "sold_at": "09/01/2018",
    "qty": "1.0000",
    "uom": "ea",
    "unit_price": "31.00",
    "price_total": "31.00",
    "returned_reason": "",
    "returned_at": "0000-00-00 00:00:00",
    "total_marijuana_in_grams": "0.00",
    "name": "Dewberry Haze Pre-Packs 3.5gm",
    "deleted_at": null,
    "global_id": "WAR030303.SI60",
    "global_mme_id": "WASTATE1.MM16",
    "global_user_id": "WASTATE1.US5",
    "global_sale_id": "WAR030303.SA1CA",
    "global_batch_id": "WAR030303.BAEV",
    "global_returned_by_user_id": null,
    "global_inventory_id": "WAR030303.IN9A"
  }
]
```

```
}
```

Strains

Strains represent specific sub-species of cannabis and are an attribute that can be designated to batches of inventory. Batches of type "propagation_material", "plant", and "harvest" must have a strain assignment. For "intermediate/ end product" type batches, a "non_strain_specific" designation is available for items that are no longer strain-specific.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>created_at</i>	The date a strain was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>deleted_at</i>	The date a strain was deleted	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>external_id*</i>	An optional free-form field used to hold any identifying factors of a strain	varchar(40)	up to 40 characters	"HAZE1234567"
<i>global_id</i>	Auto-generated unique ID for the strain	varchar(255)	up to 255 characters	"WAX123456.AR1Z2Y3"
name*	Name of a strain	varchar(255)	up to 255 characters	"Storage Room"
<i>updated_at</i>	The date a strain record was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"

* = modifiable; **<bold>** = required field; *<italics>* = returned value; ~~<strikethrough>~~ = deprecated value, pending removal

Filters

No filters available

Available Functions

- Get Strains
- Create Strains
- Update Strains
- Delete Strains

Get Strains

Returns all strains within a licensed facility

Request

GET <https://watest.leafdatazone.com/api/v1/strains>

Example Response

```
{
  "total": 2,
  "per_page": 2500,
  "current_page": 1,
  "last_page": 1,
  "next_page_url": null,
  "prev_page_url": null,
  "from": 1,
  "to": 2,
  "data": [{
    "created_at": "12/21/2017 11:56am",
    "updated_at": "12/21/2017 11:56am",
    "external_id": "",
    "name": "Jack Herer",
    "deleted_at": null,
    "global_id": "WAR030303.ST55"
  },
  {
    "created_at": "12/22/2017 10:59am",
    "updated_at": "12/22/2017 10:59am",
    "external_id": "",
    "name": "Kali Mist",
    "deleted_at": null,
    "global_id": "WAR030303.ST58"
  }
]
```

Create Strains

Provides the ability to create strains within a licensed facility

Request

POST <https://watest.leafdatazone.com/api/v1/strains>

Example Request

```
{
  "strain": [{
    "name": "Chem 91"
  }]
}
```

Example Response

```
[{
  "name": "Chem 91",
  "updated_at": "12/22/2017 12:26pm",
  "created_at": "12/22/2017 12:26pm",
  "global_id": "WAR030303.ST59"
}]
```

Update Strains

Provides the ability for a user to update an existing strain record at a facility

Request

POST <https://watest.leafdatazone.com/api/v1/strains/update>

Example Request

```
{
  "strain": {
    "external_id": "12345",
    "name": "Harlequin",
    "global_id": "WAG010101.ST8FX"
  }
}
```

Example Response

```
{
  "created_at": "09/12/2018 02:58pm",
  "updated_at": "09/12/2018 03:02pm",
  "external_id": "12345",
  "name": "Harlequin",
  "deleted_at": null,
  "global_id": "WAG010101.ST8FX"
}
```

Delete Strains

Provides the ability for a user to delete an existing strain record at a facility

SPECIAL NOTE FROM THE LCB REGARDING DELETION OF RECORDS:

Deleting records should be done as a last resort. The adjustment function should ALWAYS be the first tool used to correct any user error.

If the adjustment function does not resolve your issue, you will need LCB approval before you use the delete function. Please follow the steps below to obtain approval.

Email MJExaminer@lcb.wa.gov

Include your license number, trade name, a screen shot of the record(s) you want to delete from your system and brief explanation as to why this record must be permanently removed from your system.

LCB will review the request and respond accordingly.

LCB wants to ensure compliance, accurate data and that the deletion of one record will not break associations to other data.

Records that have associations to other data, if deleted, “break” that association. For example, once records such as “areas”, “strains”, and “inventory types” are related to batches/plants/inventory lot, deleting these records will “break” the batch/plant/inventory lot that no longer has the necessary correspondences to exist. “Areas”, for instance, are required for all batches that are created. If an area that is associated with a batch is deleted, the batch will no longer function properly. MJ Freeway cannot restore the deleted data.

DELETING RECORDS IN LEAF DATA SYSTEMS IS AN IRREVERSIBLE ACTION.

Request

POST http://watest.leafdatazone.com/api/v1/strains/{global_strain_id}

Example Request

<http://watest.leafdatazone.com/api/v1/strains/WAG010101.ST8F>

MME

In Washington the front end term for an "MME" is "Licensee". This is a licensed facility or testing lab that is operational. Retrieval of MME information is necessary for completing transfers.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>address1</i>	The primary address line of the licensee record	varchar(255)	up to 255 characters	"123 Main St"
<i>address2</i>	The secondary address line of the licensee	varchar(255)	up to 255 characters	"Suite 420"
<i>bio_license_number</i>	The license number assigned to the mme (licensee) in the prior traceability system	varchar(255)	up to 255 characters	"ABC123"
<i>bio_location_id</i>	The location ID assigned to the mme (licensee) in the prior traceability system	varchar(255)	up to 255 characters	"ABC123"
<i>bio_org_id</i>	The organizational ID assigned to the mme (licensee) in the prior traceability system	varchar(255)	up to 255 characters	"ABC123"
<i>certificate_number</i>	The nine-digit UBI (unique business identifier) associated with the licensed facility	integer(11)	123456789	"123456789"
<i>city</i>	The city in which the licensee is licensed	varchar(255)	up to 255 characters	"Seattle"
<i>code</i>	The six-digit licensee ID number established by the State of Washington upon licensing of a facility, preceded by the letter associated with the licensee "type" ("G"=Producer, "M"=Processor, "J"=Producer/Processor, "R"=Retailer, "L"="QA testing lab, "T"=Tribe, "E"=Co-op, "Z"=Licensed Transporter Service	varchar(255)	X123456	"R654321"
<i>country_code</i>	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>external_id</i>	An optional free-form field used to hold any identifying factors of a particular licensee	varchar(40)	up to 40 characters	"USER1234567"
fein	This parameter has been deprecated and will be removed in an upcoming release			
<i>global_id</i>	Auto-generated unique ID for an mme (licensee)	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
<i>id</i>	Auto-generated numeric ID for this instance of an mme (database value, not UI-facing)	integer(11)	1234567	"1234567"
issuer	This parameter has been deprecated and will be removed in an upcoming release			
<i>name</i>	The name of the licensed facility	varchar(255)	up to 255 characters	"Training Retailer"
<i>phone</i>	The phone number related to the licensed facility	integer(11)	8885551234	"8885551234"
<i>postal_code</i>	The zip code in which the licensee is licensed	integer(11)	12345	"12345"
sender_receiver	This parameter has been deprecated and will be removed in an upcoming release			
<i>state_code</i>	The state in which the licensee is licensed (all values should be returned as "WA")	enum	"WA"	"WA"
<i>type</i>	The type of licensed facility that this record represents ("cultivator"=Producer, "production"=Processor, "cultivator_production"=Producer/Processor, "dispensary"=Retailer, "lab"=QA testing lab, "tribe"=Tribe, "co-op"=Co-op, "transporter"=Licensed Transporter Service)	enum	cultivator, production, cultivator_production, dispensary, lab, tribe, co-op, transporter	"dispensary"

= parameter for filtering only; * = modifiable; <bold> = required field; <italics> = returned value; = deprecated value, pending removal

Filters

Parameter	Filter
mme_code	?f_mme_code={mme_code}
mme_name	?f_mme_name={mme_name}
mme_cert	?f_mme_cert={mme_cert}
updated_at1	?f_updated_at1={mm/dd/yyyy}
updated_at2	?f_updated_at2={mm/dd/yyyy}

Available Functions

Get MME

Get MME

Returns information regarding licensees

Request

GET <https://watest.leafdatasystems.com/api/v1/mmes>

Example Response

```
{
  "id": 2424,
  "external_id": "",
  "name": "Training Retailer",
  "certificate_number": "333000333",
  "address1": "333 S 3rd St",
  "address2": "",
  "city": "Seattle",
  "state_code": "WA",
  "postal_code": "98333",
  "country_code": "",
  "phone": "2065553333",
  "type": "dispensary",
  "code": "R300003",
  "sender_receiver": null,
  "issuer": null,
  "global_id": "WAWA1.MM1VC",
  "bio_org_id": null,
  "bio_location_id": null,
  "bio_license_number": null,
  "fein": ""
}
```

User

User profiles represent individuals that have access to Leaf Data Systems. Users cannot be created or modified through the API, only through the UI. Administrative users are set up for each licensed facility, and these administrative users have the ability to create other users associated with their licensed facility. User information may be retrieved for all users associated with a facility.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>auth_level</i>	The authorization level of the user at the facility	enum	admin, edit, view, disabled	"admin"
<i>email</i>	The email address (and username) of the user	varchar(255)	up to 255 characters	user@leafdatasystems.com
<i>external_id</i>	An optional free-form field used to hold any identifying factors of a particular user	varchar(40)	up to 40 characters	"USER1234567"
<i>first_name</i>	The first name of the user	varchar(255)	up to 255 characters	Mary Jane
<i>global_id</i>	Auto-generated unique ID for a user	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
<i>global_mme_id</i>	Auto-generated unique ID for the licensee (mme) that the user is associated with	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
<i>id</i>	Auto-generated numeric ID for this instance of a user (database value, not UI-facing)	integer(11)	1234567	"1234567"
<i>last_name</i>	The last name of the user	varchar(255)	up to 255 characters	Doe

= parameter for filtering only; * = modifiable; <bold> = required field; <italics> = returned value; = deprecated value, pending removal

Filters

Parameter	Filter
<i>global_id</i>	?f_global_id={global_user_id}
<i>mme_name</i>	?f_mme_name={mme_name}
<i>mme_code</i>	?f_mme_code={mme_code}
<i>user_name</i>	?f_user_name={user_name}
<i>user_email</i>	?f_user_email={user_email}
<i>external_id</i>	?f_external_id={external_id}
<i>updated_at1</i>	?f_updated_at1={mm/dd/yyyy}
<i>updated_at2</i>	?f_updated_at2={mm/dd/yyyy}

Available Functions

Get Users

Get Users

Returns information regarding users

Request

GET <https://watest.leafdatasystems.com/api/v1/users>

Example Response

```
{
  "total": 1,
  "per_page": 2500,
  "current_page": 1,
  "last_page": 1,
  "next_page_url": null,
  "prev_page_url": null,
  "from": 1,
  "to": 1,
  "data": [
    {
      "id": 4,
      "email": "maryjanedoe@mjfreeway.com",
      "first_name": "Mary Jane",
      "last_name": "Doe",
      "auth_level": "admin",
      "external_id": "12345",
      "global_id": "WAWA1.US4",
      "global_mme_id": null
    }
  ]
}
```

Conversions

A conversion function is used to perform processes where the input inventory type differs from the output inventory type, such as extractions, infusions, and pre-packaging processes. Conversions may be 1:1 (input:output) or many:1. There may only be one output inventory lot produced from a conversion, while multiple input lots may be used to create it. The output of a conversion is a new inventory lot that is a child to the input lot(s) used in the conversion. The /inventories endpoint can be used to retrieve information regarding the output inventory lot which can be retrieved using the "global_batch_id" of the response from the conversion create function.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
additives	This parameter has been deprecated and will be removed in an upcoming release			
<i>batch</i>	See "batches" endpoint for parameter details returned			
cost	This parameter has been deprecated and will be removed in an upcoming release			
<i>created_at</i>	The date an inventory conversion was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
external_id	A free-form field used to hold any identifying factors of a particular strain	varchar(40)	up to 40 characters	"CBD1234567"
<i>finished_at</i>	The date/time that an inventory conversion ended	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
global_area_id	The global ID of the area where the output inventory is to be located	varchar(255)	up to 255 characters	"WAX123456.AR1Z2Y3"
<i>global_batch_id</i>	The global ID of the batch created from the conversion	varchar(255)	up to 255 characters	"WAX123456.BA1Z2Y3"
global_created_by_mme_id	This parameter has been deprecated and will be removed in an upcoming release			
global_from_inventory_id (inventories)	The global ID of the input inventory lot being processed into the conversion; no value entered will result in a 500 error	varchar(255)	up to 255 characters	"WAX123456.IN1Z2Y3"
<i>global_id</i>	Auto-generated unique ID for the inventory lot created from the inventory conversion	varchar(255)	up to 255 characters	"WAX123456.IN1Z2Y3"
global_inventory_type_id	The global ID for the intended inventory type of the output of the conversion	varchar(255)	up to 255 characters	"WAX123456.TY1Z2Y3"
<i>global_lab_result_id</i>	The global ID of the lab results associated with the output inventory	varchar(255)	up to 255 characters	"WAX123456.LR1Z2Y3"
<i>global_mme_id</i>	The global ID of the licensee who owns the inventory	varchar(255)	up to 255 characters	"WASTATE.MM1Z2Y3"

Parameter	Description	Type	Valid Entries (for WA)	Example
global_strain_id	The global ID of the strain associated with the output inventory, if output is strain-specific	varchar(255)	up to 255 characters	"WAX123456.ST1Z2Y3"
<i>global_user_id</i>	The global ID of the user who performed the conversion of the inventory	varchar(255)	up to 255 characters	"WASTATE.US1Z2Y3"
inventory_expires_at	This parameter has been deprecated and will be removed in an upcoming release			
medically_compliant	When this parameter is set to "1", the conversion output is designated as seeking medical compliance, and the medically compliant status of the output lot is set to "Pending" until appropriate passing QA results are applied	boolean	0, 1	"1"
net_weight	This parameter has been deprecated and will be removed in an upcoming release			
packed_qty	This parameter has been deprecated and will be removed in an upcoming release			
product_not_altered	This designates whether a product was altered during the conversion (thereby causing it to require new lab results associated with the output inventory type)	boolean	0, 1	"1"
qty	The quantity of the inventory output being produced from the conversion	decimal(14,2)	1234.56	"1234.56"
qty (inventories)	The quantity of the inventory input(s) being processed into the conversion; no quantity entered will result in a 500 error	decimal(14,2)	1234.56	"1234.56"
qty_waste_total	The total weight (gm) of waste produced from the conversion process	decimal(14,2)	1234.56	"1234.56"
serving_num	This parameter has been deprecated and will be removed in an upcoming release			
serving_size	This parameter has been deprecated and will be removed in an upcoming release			
started_at	The date/time that an inventory conversion began	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
total_marijuana_in_grams	This parameter has been deprecated and will be removed in an upcoming release			
uom	The unit of measure associated with the inventory type of the conversion output	enum	gm, ea	"gm"
updated_at	This parameter has been deprecated and will be removed in an upcoming release			
value	This parameter has been deprecated and will be removed in an upcoming release			

* = modifiable; = required field; <i></i> = returned value;

Filters

No filters available

Available Functions

Create Conversion

Create Conversion

Provides the ability to create an inventory conversion

Request

POST <https://watest.leafdatazone.com/api/v1/conversions/create>

Example Request

```
{
  "conversion": [
    {
      "external_id": "EXTRACT7",
      "global_inventory_type_id": "WAM200002.TY5V",
      "global_area_id": "WAM200002.AR24",
      "global_strain_id": "",
      "uom": "gm",
      "qty": "333",
      "qty_waste_total": "555",
      "started_at": "07/06/2017",
      "finished_at": "07/07/2017",
      "product_not_altered": "1",
      "medically_compliant": "1",
      "inventories": [
        {
          "qty": "1111",
          "global_from_inventory_id": "WAM200002.INF1B"
        },
        {
          "qty": "1111",
          "global_from_inventory_id": "WAM200002.INF1C"
        },
        {
          "qty": "1111",
          "global_from_inventory_id": "WAM200002.INF1D"
        }
      ]
    }
  ]
}
```

Example Response

```
[
  {
    "external_id": "12345",
    "uom": "gm",
    "qty": "333",
    "inventory_expires_at": "09/12/2018",
    "additives": "",
    "medically_compliant": null,
    "area_id": "92",
    "strain_id": 148,
    "inventory_type_id": "3101",
    "batch_id": 8156,
    "sent_for_testing": 0,
    "net_weight": "0.00",
    "packed_qty": null,
    "cost": "0.00",
    "value": "0.00",
    "serving_num": "1",
    "serving_size": "0",
    "total_marijuana_in_grams": "0.00",
    "uom": "gm",
    "qty": "333",
    "updated_at": "05/25/2018 11:54am",
    "created_at": "05/25/2018 11:54am",
    "global_id": "WAM200002.INF1E",
    "global_mme_id": "WAWA1.MM1VB",
    "global_user_id": "WAWA1.US4",
    "global_batch_id": "WAM200002.BADYN",
    "global_area_id": "WAM200002.AR24",
    "global_lab_result_id": null,
    "global_strain_id": null,
    "global_inventory_type_id": "WAM200002.TY5V",
    "global_created_by_mme_id": null,
    "batch": {
      "created_at": "05/25/2018 11:54am",
      "updated_at": "05/25/2018 11:54am",
      "external_id": "EXTRACT7",
```

```

    "planted_at": "",
    "harvested_at": "",
    "batch_created_at": "2018-05-25 11:54:44",
    "num_plants": "0",
    "status": "open",
    "qty_harvest": "0.0000",
    "uom": "gm",
    "is_parent_batch": "0",
    "is_child_batch": "1",
    "type": "intermediate/ end product",
    "harvest_stage": null,
    "qty_accumulated_waste": "0.0000",
    "qty_packaged_flower": "0.0000",
    "qty_packaged_by_product": "333.0000",
    "est_harvest_at": "",
    "packaged_completed_at": "05/25/2018",
    "origin": "seed",
    "source": "inhouse",
    "qty_cure": "0.0000",
    "plant_stage": "seedling",
    "deleted_at": null,
    "flower_dry_weight": "0.0000",
    "waste": "0.0000",
    "other_dry_weight": "0.0000",
    "harvested_end_at": "",
    "flower_wet_weight": "0.0000",
    "other_wet_weight": "0.0000",
    "global_id": "WAM200002.BADYN",
    "global_mme_id": "WAWA1.MM1VB",
    "global_user_id": "WAWA1.US4",
    "global_strain_id": null,
    "global_area_id": "WAM200002.AR24"
  },
  "inventory_type": {
    "created_at": "08/28/2018 09:30am",
    "updated_at": "08/28/2018 09:30am",
    "external_id": "12345",
    "name": "Cooking spray",
    "description": "",
    "storage_instructions": ""
  }

```

```
"ingredients": "",
"type": "waste",
"allergens": "",
"contains": "",
"used_butane": 0,
"net_weight": "10.00",
"packed_qty": "1.0000",
"cost": "5.00",
"value": "10.00",
"serving_num": 100,
"serving_size": 50,
"uom": "gm",
"total_marijuana_in_grams": "50.000000",
"total_marijuana_in_mcg": 50000000,
"deleted_at": null,
"intermediate_type": "infused_cooking_medium",
"global_id": "WAG12341.TY2E5",
"global_original_id": null,
"weight_per_unit_in_grams": "0.00",
"global_mme_id": "WASTATE1.MM8",
"global_user_id": "WASTATE1.US8",
"global_strain_id": null
}
]
}
```

Dispose Item

This workflow function marks the final disposal of inventory related to a destruction record.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>created_at</i>	The date/time a disposal record was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>deleted_at</i>	The date/time a disposal record was deleted	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>disposal_at</i>	The date when the lot is scheduled to be physically destroyed (accounting for 72-hour hold period from creation of destruction record)	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>disposal_cert</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>external_id</i>	An optional free-form field used to hold any identifying factors of a particular disposal record	varchar(40)	up to 40 characters	"DISP1234567"
<i>global_area_id</i>	The global ID of the area where the disposal lot is located	varchar(255)	WAX123456.AR1Z2Y3	"WAX123456.AR1Z2Y3"
<i>global_batch_id</i>	If "source" = "batch", the global ID of the batch that all or part of is being destroyed	varchar(255)	up to 255 characters	"WAX12346.BA1Z2Y3"
global_id	Auto-generated unique ID for the disposal record	varchar(255)	up to 255 characters	"WAX123456.DI1Z2Y3"
<i>global_inventory_id</i>	If "source" = "inventory", the global ID of the inventory lot that all or part of is being destroyed	varchar(255)	up to 255 characters	"WAX12346.IN1Z2Y3"
<i>global_mme_id</i>	The global ID of the licensee that the disposal record belongs to	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
<i>global_plant_id</i>	If "source" = "plant", the global ID of the plant that all or part of is being destroyed	varchar(255)	up to 255 characters	"WAX12346.PL1Z2Y3"
<i>global_user_id</i>	The global ID of the user who created the disposal record	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
<i>hold_ends_at</i>	The date/time when the mandated 72-hour hold ends for this destruction record	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>hold_starts_at</i>	The date/time when the mandated 72-hour hold begins for this destruction record	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>method</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>phase</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>qty</i>	The weight or piece count of the destruction lot	decimal(14,2)	1234.56	"1234.56"
<i>reason</i>	The reason for the destruction	enum	failed_qa, infestation, quality_control, returned, spoilage, unhealthy, lcb_mandated, other	"infestation"
<i>type</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>uom</i>	The uom associated with the inventory being disposed of	enum	gm, ea	"gm"
<i>updated_at</i>	The date/time a disposal record was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>whole_plant</i>	If the disposal "source" is "plant", this parameter distinguishes whether the whole plant or only part of it is being disposed of (if whole plant, then "plant_stage" of plant will be shifted to "destroyed")	boolean	1, 0	"1"

* = modifiable; <**bold**> = required field; <*italics*> = returned value; <~~strikethrough~~> = deprecated value, pending removal

Filters

No filters available

Available Functions

Create Dispose Item

Create Dispose Item

Provides the ability to dispose of a destruction record previously created

Request

POST <https://watest.leafdatazone.com/api/v1/disposals/dispose>

Example Request

```
{
  "global_id": "WAM200002.DI82A",
  "disposal_at": "05/28/2018 12:34pm"
}
```

Example Response

```
{
  "created_at": "05/25/2018 11:54am",
  "updated_at": "05/25/2018 02:37pm",
  "hold_starts_at": "05/25/2018 11:54am",
  "hold_ends_at": "05/28/2018 11:54am",
  "external_id": "",
  "whole_plant": null,
  "reason": "waste",
  "method": "",
  "disposal_at": "05/28/2018 12:34pm",
  "phase": "processing",
  "type": "waste",
  "qty": "555.0000",
  "uom": "gm",
  "source": "inventory",
  "disposal_cert": null,
  "deleted_at": null,
  "global_id": "WAM200002.DI82A",
  "global_mme_id": "WAWA1.MM1VB",
  "global_user_id": "WAWA1.US4",
  "global_batch_id": "WAM200002.BADYN",
  "global_area_id": null,
  "global_plant_id": null,
  "global_inventory_id": "WAM200002.INF1F"
}
```

Harvest Batch

Harvest Batch special function allows for the harvesting of living plants and the recording of the harvest batch wet weight. This special function aligns with the UI action (from the /batches listing) of clicking the 'tree' icon in the 'Action' column to harvest plants. The harvest batch created becomes the child batch of the plant batch(es) harvested into it.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>batch_created_at</i>	The system generated date/time at which the batch was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>created_at</i>	The date/time a batch was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>deleted_at</i>	The date/time a batch was deleted	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>est_harvest_at</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>external_id</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>flower_dry_weight</i>	The total dry weight of the flower associated with the batch	decimal(14,2)	1234.56	"1234.56"
flower_wet_weight	The wet weight of the "flower" associated with the batch	decimal(14,2)	1234.56	"1234.56"
<i>global_area_id</i>	This parameter has been deprecated and will be removed in an upcoming release			
global_flower_area_id	The global ID where the flower from the harvest is being stored	varchar(255)	up to 255 characters	"WAX123456.AR1Z2Y3"
<i>global_harvest_batch_id</i>	Leave blank to create a new harvest batch, or designate global batch ID of harvest batch to add to	varchar(255)	up to 255 characters	"WAX123456.BA1Z2Y3"
<i>global_id</i>	Auto-generated unique ID for the batch	varchar(255)	up to 255 characters	"WAX123456.BA1Z2Y3"
<i>global_mme_id</i>	The global ID of the licensee that the batch belongs to	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
<i>global_mother_plant_id</i>	For "propagation material" batches, the global ID of the mother plant from which the plants were derived	varchar(255)	up to 255 characters	"WAX123456.PL1Z2Y3"
global_other_area_id	The global ID where the other material from the harvest is being stored	varchar(255)	up to 255 characters	"WAX123456.AR1Z2Y3"

Parameter	Description	Type	Valid Entries (for WA)	Example
global_plant_ids	A list of the individual plant IDs to be harvested into the designated batch (or together into a new batch if none is designated)	varchar(255)	up to 255 characters	"WAX123456.PL1Z2Y3"
<i>global_strain_id</i>	The global ID of the strain specific to the batch; required for all batch types except "intermediate/end product", where strain-specificity is optional)	varchar(255)	up to 255 characters	"WAX12346.ST1Z2Y3"
<i>global_user_id</i>	The global ID of the user who created the batch	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
<i>harvest_stage</i>	For "harvest" batches, the stage of the harvest process	enum	wet, cure, finished	"finished"
harvested_at	The beginning date/time of the harvest	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>harvested_end_at</i>	The date/time at which the harvest of the batch ended	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>is_child_batch</i>	Indicates that this batch is the product of a previous batch (or batches)	boolean	0, 1	"1"
<i>is_parent_batch</i>	Indicates that later generations of batches have been created from this batch	boolean	0, 1	"1"
<i>num_plants</i>	The number of plants that are in the batch (only used for "propagation_material", "plant", or "harvest" batches)	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>origin</i>	Indicates propagation source of the batch (for "propagation material", "plant", and "harvest" batch types)	enum	seed, clone, plant, tissue	"clone"
<i>other_dry_weight</i>	The total dry weight of the other material associated with the batch	decimal(14,2)	1234.56	"1234.56"
other_wet_weight	The wet weight of the "other material" associated with the batch	decimal(14,2)	1234.56	"1234.56"
<i>packaged_completed_at</i>	For "intermediate/end product" batches, the date the product was packaged	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>plant_stage</i>	Current development stage of the plants in the batch	enum	propagation_material, growing, harvested, packaged, destroyed	"growing"

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>planted_at</i>	The date/time a batch was planted; if batch is type=harvest, then the date/time the related (parent) plant batch was planted	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
qty_accumulated_waste	This parameter has been deprecated and will be removed in an upcoming release			
qty_cure	This parameter has been deprecated and will be removed in an upcoming release			
qty_harvest	The total wet weight of the harvested plants	decimal(14,2)	1234.56	"1234.56"
<i>qty_packaged_by_product</i>	Accumulated weight of the plant material that is classified as packaged other material (in grams)	decimal(14,2)	1234.56	"1234.56"
<i>qty_packaged_flower</i>	Accumulated weight of the plant material that is classified as packaged flower (in grams)	decimal(14,2)	1234.56	"1234.56"
source	This parameter has been deprecated and will be removed in an upcoming release			
<i>status</i>	Identifier for the status of the batch	enum	open, closed	"open"
<i>type</i>	Indicates the type of batch	enum	propagation material, plant, harvest, intermediate/ end product	"harvest"
uom	The unit of measure associated with the harvest material	enum	gm	"gm"
<i>updated_at</i>	The date/time a batch was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>waste</i>	Accumulated weight of the plant material that is represented as waste (in grams)	decimal(14,2)	1234.56	"1234.56"

* = modifiable; = required field; <i></i> = returned value;

Filters

No filters available

Available Functions

Create Harvest Batch



Create Harvest Batch

Provides the ability to harvest plants into a new or pre-existing harvest batch

Request

POST https://watest.leafdatazone.com/api/v1/plants/harvest_plants

Example Request

```
{
  "external_id": "3",
  "harvested_at": "05/08/2018",
  "qty_harvest": "134",
  "flower_wet_weight": 101,
  "other_wet_weight": 33,
  "uom": "gm",
  "global_flower_area_id": "WAG100001.AR1R",
  "global_other_area_id": "WAG100001.AR1R",
  "global_harvest_batch_id": "",
  "global_plant_ids": [
    {
      "global_plant_id": "WAG100001.PLACI"
    },
    {
      "global_plant_id": "WAG100001.PLACJ"
    }
  ]
}
```

Example Response

```
{
  "created_at": "05/29/2018 03:14am",
  "updated_at": "05/29/2018 03:14am",
  "external_id": "",
  "planted_at": "02/01/2018",
  "harvested_at": "05/08/2018",
  "batch_created_at": "2018-05-29 03:14:12",
  "num_plants": "2",
  "status": "open",
}
```

```
"qty_harvest": "134.0000",
"uom": "gm",
"is_parent_batch": "0",
"is_child_batch": "1",
"type": "harvest",
"harvest_stage": "wet",
"qty_accumulated_waste": "",
"qty_packaged_flower": "0.0000",
"qty_packaged_by_product": "0.0000",
"est_harvest_at": "",
"packaged_completed_at": "",
"origin": "seed",
"source": "inhouse",
"qty_cure": "0.0000",
"plant_stage": "harvested",
"deleted_at": null,
"flower_dry_weight": "0.0000",
"waste": "0.0000",
"other_dry_weight": "0.0000",
"harvested_end_at": "",
"flower_wet_weight": "101.0000",
"other_wet_weight": "33.0000",
"global_id": "WAG100001.BADYR",
"global_mme_id": "WAWA1.MM1VA",
"global_user_id": "WAWA1.US4",
"global_strain_id": "WAG100001.ST1V",
"global_area_id": "",
"global_mother_plant_id": null,
"global_flower_area_id": null,
"global_other_area_id": null
}
```

Cure Batch

Cure Batch special function allows for entry of dry weight data into a harvest batch record. This special function aligns with the UI action (from the /batches listing) of clicking the 'half moon' icon in the 'Action' column to cure a harvest batch. This action should be used in lieu of updating a batch record to enter dry weights. This function may be used multiple times to record updates to dry weights of a batch until the final weights have been recorded. Through this process, waste can be reported that corresponds to "flower" or "other material" related to the harvest batch.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>batch_created_at</i>	The system generated date/time at which the batch was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>created_at</i>	The date/time a batch was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>deleted_at</i>	The date/time a batch was deleted	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>est_harvest_at</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>external_id</i>	An optional free-form field used to hold any identifying factors of a harvest batch	varchar(40)	up to 40 characters	"HARVEST1234567"
<i>flower_dry_weight</i>	The total dry weight of the flower associated with the batch	decimal(14,2)	1234.56	"1234.56"
<i>flower_waste</i>	The weight of any waste associated with 'flower' to be reported	decimal(14,2)	1234.56	"1234.56"
<i>flower_wet_weight</i>	The wet weight of the "flower" associated with the batch	decimal(14,2)	1234.56	"1234.56"
<i>global_area_id</i>	This field has been deprecated and will be removed in an upcoming release			
<i>global_batch_id</i>	The global ID of the harvest batch that is being cured	varchar(255)	up to 255 characters	"WAX123456.BA1Z2Y3"
<i>global_flower_area_id</i>	The global ID where the flower from the harvest is being stored	varchar(255)	up to 255 characters	"WAX123456.AR1Z2Y3"
<i>global_id</i>	The global ID of the harvest batch that is being cured	varchar(255)	up to 255 characters	"WAX123456.BA1Z2Y3"
<i>global_mme_id</i>	The global ID of the licensee that the batch belongs to	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>global_mother_plant_id</i>	For "propagation material" batches, the global ID of the mother plant from which the plants were derived	varchar(255)	up to 255 characters	"WAX123456.PL1Z2Y3"
<i>global_other_area_id</i>	The global ID where the other material from the harvest is being stored	varchar(255)	up to 255 characters	"WAX123456.AR1Z2Y3"
<i>global_strain_id</i>	The global ID of the strain specific to the batch; required for all batch types except "intermediate/end product", where strain-specificity is optional)	varchar(255)	up to 255 characters	"WAX12346.ST1Z2Y3"
<i>global_user_id</i>	The global ID of the user who created the batch	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
<i>harvest_stage</i>	For "harvest" batches, the stage of the harvest process	enum	wet, cure, finished	"finished"
<i>harvested_at</i>	The beginning date/time of the harvest	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>harvested_end_at</i>	The date/time at which the harvest of the batch ended	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>is_child_batch</i>	Indicates that this batch is the product of a previous batch (or batches)	boolean	0, 1	"1"
<i>is_parent_batch</i>	Indicates that later generations of batches have been created from this batch	boolean	0, 1	"1"
<i>num_plants</i>	The number of plants that are in the batch (only used for "propagation_material", "plant", or "harvest" batches)	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>origin</i>	Indicates propagation source of the batch (for "propagation material", "plant", and "harvest" batch types)	enum	seed, clone, plant, tissue	"clone"
<i>other_dry_weight</i>	The total dry weight of the other material associated with the batch	decimal(14,2)	1234.56	"1234.56"
<i>other_waste</i>	The weight of any waste associated with 'other material' to be reported	decimal(14,2)	1234.56	"1234.56"
<i>other_wet_weight</i>	The wet weight of the "other material" associated with the batch	decimal(14,2)	1234.56	"1234.56"

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>packaged_completed_at</i>	For "intermediate/ end product" batches, the date the product was packaged	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>plant_stage</i>	Current development stage of the plants in the batch	enum	propagation_material, growing, harvested, packaged, destroyed	"harvested"
<i>planted_at</i>	The date/time a batch was planted; if batch is type=harvest, then the date/time the related (parent) plant batch was planted	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
qty_accumulated_waste	This parameter has been deprecated and will be removed in an upcoming release			
qty_cure	This parameter has been deprecated and will be removed in an upcoming release			
<i>qty_harvest</i>	The total wet weight of the harvested plants	decimal(14,2)	1234.56	"1234.56"
<i>qty_packaged_by_product</i>	Accumulated weight of the plant material that is classified as packaged other material (in grams)	decimal(14,2)	1234.56	"1234.56"
<i>qty_packaged_flower</i>	Accumulated weight of the plant material that is classified as packaged flower (in grams)	decimal(14,2)	1234.56	"1234.56"
source	This parameter has been deprecated and will be removed in an upcoming release			
<i>status</i>	Identifier for the status of the batch	enum	open, closed	"open"
<i>type</i>	Indicates the type of batch	enum	propagation material, plant, harvest, intermediate/ end product	"harvest"
<i>uom</i>	The unit of measure associated with the harvest material	enum	gm	"gm"
<i>updated_at</i>	The date/time a batch was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>waste</i>	Accumulated weight of the plant material that is represented as waste (in grams)	decimal(14,2)	1234.56	"1234.56"

* = modifiable; <bold> = required field; <italics> = returned value; = deprecated value, pending removal

Filters

No filters available

Available Functions

Create Cure Batch

Create Cure Batch

Provides the ability to record dry weights to a pre-existing harvest batch.

Request

POST https://watest.leafdatazone.com/api/v1/batches/cure_lot

Example Request

```
{
  "global_batch_id": "WAG010101.BA40C",
  "flower_dry_weight": "101.00",
  "other_dry_weight": "33.00",
  "flower_waste": "11.00",
  "other_waste": "3.00",
  "global_flower_area_id": "WAG010101.AR64",
  "global_other_area_id": "WAG010101.AR64"
}
```

Example Response

```
{
  "created_at": "08/21/2018 05:24am",
  "updated_at": "09/01/2018 10:41pm",
  "external_id": "harvest",
  "planted_at": "",
  "harvested_at": "08/21/2018",
  "batch_created_at": "2018-08-21 05:24:35",
  "num_plants": 2,
  "status": "open",
  "qty_harvest": "0.00",
  "uom": "gm",
  "is_parent_batch": 0,
}
```



```
"is_child_batch": 1,
"type": "harvest",
"harvest_stage": "cure",
"qty_accumulated_waste": "14.00",
"qty_packaged_flower": "0.00",
"qty_packaged_by_product": "0.00",
"est_harvest_at": "",
"packaged_completed_at": "",
"origin": "none",
"source": "inhouse",
"qty_cure": 134,
"plant_stage": "harvested",
"deleted_at": null,
"flower_dry_weight": "101.00",
"waste": 28,
"other_waste": 3,
"flower_waste": 11,
"other_dry_weight": "33.00",
"harvested_end_at": "",
"flower_wet_weight": "1001.00",
"other_wet_weight": "303.00",
"global_id": "WAG010101.BA40C",
"global_mme_id": "WASTATE1.MM18",
"global_user_id": "WASTATE1.US5",
"global_strain_id": "WAG010101.ST4U",
"global_area_id": "",
"global_mother_plant_id": null,
"global_flower_area_id": "WAG010101.AR64",
"global_other_area_id": "WAG010101.AR64"
}
```

Finish Batch

Finish Batch special function allows for the creation of inventory lots of "flower" and "other_material" from a harvest batch. This special function aligns with the UI action (from the /batches listing) of clicking the 'checkmark' icon in the 'Action' column to "finish" a batch, and may be repeated until all of the dry weight associated with a harvest batch has been "finished" into inventory lots.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
additives	This parameter has been deprecated and will be removed in an upcoming release			
cost	This parameter has been deprecated and will be removed in an upcoming release			
<i>created_at</i>	The date/time an inventory record was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>deleted_at</i>	The date/time an inventory record was deleted	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>external_id</i>	A free-form field used to hold any identifying factors of a particular inventory record	varchar(40)	up to 40 characters	"LOT1234567"
global_area_id	The global ID of the area where the inventory lot is located	varchar(255)	WAX123456.AR1Z2Y3	"WAX123456.AR1Z2Y3"
global_batch_id	The global ID of the harvest batch that the inventory is being created from	varchar(255)	up to 255 characters	"WAX123456.BA1Z2Y3"
global_created_by_mme_id	This parameter has been deprecated and will be removed in an upcoming release			
<i>global_id</i>	Auto-generated unique ID for the inventory record	varchar(255)	up to 255 characters	"WAX123456.IN1Z2Y3"
global_inventory_type_id	The global ID of the inventory type of the inventory being created	varchar(255)	WAX123456.LR1Z2Y3	"WAX123456.TY1Z2Y3"

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>global_lab_result_id</i>	The global ID of the lab results (created by a QA lab) associated with the inventory lot	varchar(255)	WAX123456.LR1Z2Y3	"WAX123456.LR1Z2Y3"
<i>global_mme_id</i>	The global ID of the licensee where the inventory record was created	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
<i>global_original_id</i>	The global ID of the inventory lot relative to the facility that it was received FROM; For Retailers (and anyone receiving inventory), this value is important for being able to identify an inventory lot based on the global ID on the labelling/package	varchar(255)	up to 255 characters	"WAX123456.IN1Z2Y3"
<i>global_strain_id</i>	The global ID of the strain associated with the inventory (if applicable)	varchar(255)	WAX123456.ST1Z2Y3	"WAX123456.ST1Z2Y3"
<i>global_user_id</i>	The global ID of the user who created the inventory record	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
<i>inventory_created_at</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>inventory_expires_at</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>inventory_packaged_at</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>inventory_type</i>	See "inventory_types" endpoint for details returned			
<i>is_initial_inventory</i>	Denotes whether inventory represents post-contingency on hand inventory created by 4/30/2018	boolean	0, 1	"1"

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>lab_results_attested</i>	If inventory "is_initial_inventory", then lab results attestation is required to bypass QA result requirements for product to transfer; Attestation affirms the following on behalf of the licensee: "I attest the attached Quality Assurance Test result is accurate or the marijuana product does not require Quality Assurance Test results at this stage"	boolean	0, 1	"1"
<i>lab_results_date</i>	The date the attached lab results were completed at the QA lab, per the pdf upload (if applicable)	date	mm/dd/yyyy	"02/01/2018"
<i>lab_results_file_path</i>	The base64-encoded file reference for the pdf lab results associated with the inventory lot	base64-encoded file path	css;base64,/9j/4AAQSkZJRgABAQEAWgBaAAD/4gxYSUNDX1	"css;base64,/9j/4AAQSkZJRgABAQEAWgBaAAD/4gxYSUNDX1"
<i>lab_retest_id</i>	Unique database value related to a lab result created for a retest	integer(11)	1234567	"1234567"
<i>last_harvest_stage</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>legacy_id</i>	FE term for "legacy_id" is "Contingency/Old Traceability ID"; numeric ID from previous traceability methods entered only if inventory is designated as "initial_inventory"	integer(11)	1234567898765432	"1234567898765432"
<i>marijuana_type</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>medically_compliant</i>	Denotes whether or not an inventory lot is designated as medically compliant	boolean	0, 1	"0"
<i>net_weight</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>packed_qty</i>	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
qty	The quantity of inventory present in the lot, relative to the unit of measure ("uom") of the associated inventory type	integer(11) or decimal(14,2)	integer if "uom"="ea" and decimal value if "uom"="gm"	"12345.67"
released_by_state	This parameter has been deprecated and will be removed in an upcoming release			
<i>sent_for_testing</i>	Denotes whether a sample of this inventory lot has been sent to the QA lab for mandatory or non-mandatory testing	boolean	0, 1	"0"
servicing_num	This parameter has been deprecated and will be removed in an upcoming release			
servicing_size	This parameter has been deprecated and will be removed in an upcoming release			
source	This parameter has been deprecated and will be removed in an upcoming release			
total_marijuana_in_grams	This parameter has been deprecated and will be removed in an upcoming release			
<i>uom</i>	The unit of measure associated with the inventory lot, derived from the associated inventory types	enum	gm, ea	"gm"
<i>updated_at</i>	The date/time an inventory record was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
value	This parameter has been deprecated and will be removed in an upcoming release			

* = modifiable; bold = required field; <i>italics</i> = returned value; strikethrough = deprecated value, pending removal

Filters

No filters available

Available Functions

Create Finish Batch

Create Finish Batch

Provides the ability to finish plants harvested batches into inventory lots

Request

POST https://watest.leafdatazone.com/api/v1/batches/finish_lot

Example Request

```
{
  "global_batch_id": "WAG010101.BA40C",
  "new_lot_types": [
    {
      "global_inventory_type_id": "WAG010101.TY94",
      "global_area_id": "WAG010101.AR9A",
      "qty": "101"
    },
    {
      "global_inventory_type_id": "WAG010101.TYEG",
      "global_area_id": "WAG010101.AR9A",
      "qty": "33"
    }
  ]
}
```

Example Response

```
[
  {
    "id": 9519,
    "created_at": "09/01/2018 10:58pm",
    "updated_at": "09/01/2018 10:58pm",
    "mme_id": 44,
    "user_id": 5,
    "external_id": "",
    "area_id": 334,
    "batch_id": 6060,
    "lab_result_id": 0,
    "released_by_state": null,
    "lab_retest_id": null,
    "is_initial_inventory": 0,
  }
]
```

```

"net_weight": "0.00",
"inventory_created_at": "09/01/2018",
"inventory_expires_at": "",
"inventory_packaged_at": "09/01/2018",
"created_by_mme_id": 0,
"qty": "101.0000",
"packed_qty": null,
"cost": "0.00",
"value": "0.00",
"source": "inhouse",
"uom": "gm",
"strain_id": 174,
"total_marijuana_in_grams": "0.00",
"inventory_type_id": 328,
"additives": "",
"serving_num": "1",
"serving_size": "0",
"marijuana_type": "",
"sent_for_testing": 0,
"deleted_at": null,
"last_harvest_stage": "cure",
"medically_compliant": 0,
"global_id": "WAG010101.IN7CF",
"legacy_id": null,
"lab_result_file_path": null,
"lab_results_attested": 0,
"lab_results_date": "",
"global_original_id": null,
"propagation_source": "none",
"inventory_type": {
  "created_at": "12/14/2017 03:47pm",
  "updated_at": "01/13/2018 11:27am",
  "external_id": "",
  "name": "Dewberry Haze Flower Lots",
  "description": "",
  "storage_instructions": "",
  "ingredients": "",
  "type": "harvest_materials",
  "allergens": "",
  "contains": "",

```

```

    "used_butane": 0,
    "net_weight": "0.00",
    "packed_qty": null,
    "cost": "0.00",
    "value": "0.00",
    "serving_num": 1,
    "serving_size": 0,
    "weight_per_unit_in_mcg": null,
    "weight_per_unit_in_grams": null,
    "uom": "gm",
    "total_marijuana_in_grams": "0.000000",
    "total_marijuana_in_mcg": 0,
    "deleted_at": null,
    "intermediate_type": "flower_lots",
    "global_id": "WAG010101.TY94",
    "global_original_id": null,
    "global_mme_id": "WASTATE1.MM18",
    "global_user_id": "WASTATE1.US5",
    "global_strain_id": null
  }
},
{
  "id": 9520,
  "created_at": "09/01/2018 10:58pm",
  "updated_at": "09/01/2018 10:58pm",
  "mme_id": 44,
  "user_id": 5,
  "external_id": "",
  "area_id": 334,
  "batch_id": 6060,
  "lab_result_id": 0,
  "released_by_state": null,
  "lab_retest_id": null,
  "is_initial_inventory": 0,
  "net_weight": "0.00",
  "inventory_created_at": "09/01/2018",
  "inventory_expires_at": "",
  "inventory_packaged_at": "09/01/2018",
  "created_by_mme_id": 0,
  "qty": "33.0000",

```

```

"packed_qty": "0.0000",
"cost": "0.00",
"value": "0.00",
"source": "inhouse",
"uom": "gm",
"strain_id": 174,
"total_marijuana_in_grams": "0.00",
"inventory_type_id": 520,
"additives": "",
"-serving_num": "1",
"-serving_size": "0",
"marijuana_type": "",
"sent_for_testing": 0,
"deleted_at": null,
"last_harvest_stage": "cure",
"medically_compliant": 0,
"global_id": "WAG010101.IN7CG",
"legacy_id": null,
"lab_result_file_path": null,
"lab_results_attested": 0,
"lab_results_date": "",
"global_original_id": null,
"propagation_source": "none",
"inventory_type": {
  "created_at": "01/16/2018 10:28am",
  "updated_at": "01/16/2018 10:28am",
  "external_id": "DBHOML",
  "name": "Dewberry Haze Other Material Lots",
  "description": "",
  "storage_instructions": "",
  "ingredients": "",
  "type": "harvest_materials",
  "allergens": "",
  "contains": "",
  "used_butane": 0,
  "net_weight": "0.00",
  "packed_qty": "0.0000",
  "cost": "0.00",
  "value": "0.00",
  "serving_num": 1,

```

```
    "serving_size": 0,  
    "weight_per_unit_in_mcg": null,  
    "weight_per_unit_in_grams": null,  
    "uom": "gm",  
    "total_marijuana_in_grams": "0.000000",  
    "total_marijuana_in_mcg": 0,  
    "deleted_at": null,  
    "intermediate_type": "other_material_lots",  
    "global_id": "WAG010101.TYEG",  
    "global_original_id": null,  
    "global_mme_id": "WASTATE1.MM18",  
    "global_user_id": "WASTATE1.US5",  
    "global_strain_id": null  
  }  
]  
]
```

Inventory Transfer in Transit

The `/inventory_transfer_in_transit` workflow function changes the status of an existing inventory transfer from "open" to "in transit".

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
<code>created_at</code>	The date/time an inventory transfer/inventory transfer item record was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<code>deleted_at</code>	This parameter has been deprecated and will be removed in an upcoming release			
<code>est_arrival_at</code>	The date/time of the estimated time of arrival for the inventory transfer	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<code>est_departed_at</code>	The date/time of the estimated time of departure for the inventory transfer	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<code>external_id</code>	An optional free-form field used to hold any identifying factors of a particular inventory transfer/inventory item record	varchar(40)	up to 40 characters	"INVTRANS1234567"
<code>global_from_customer_id</code>	This parameter has been deprecated and will be removed in an upcoming release			
<code>global_from_mme_id</code>	The global ID of the licensee sending the transfer	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
<code>global_from_user_id</code>	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
global_id	The global ID of the inventory transfer being marked in transit	Auto-generated unique ID for the inventory transfer record	varchar(255)	up to 255 characters
<i>global_id (inventory item)</i>	The global ID for the inventory item record	varchar(255)	up to 255 characters	"WAX123456.II1Z2Y3"
<i>global_mme_id</i>	The global ID of the licensee sending the transfer	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
global_to_customer_id	This parameter has been deprecated and will be removed in an upcoming release			
<i>global_to_mme_id</i>	The global ID of the licensee designated as the recipient of the transfer	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
global_to_user_id	This parameter has been deprecated and will be removed in an upcoming release			
global_transporter_user_id	This parameter has been deprecated and will be removed in an upcoming release			
<i>global_transporting_mme_id</i>	The global ID of the licensee type "licensed transporter" who is performing the transport of the product (if applicable)	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
<i>global_user_id</i>	The global ID of the user who created the inventory transfer/inventory item record	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
hold_ends_at	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
hold_starts_at	This parameter has been deprecated and will be removed in an upcoming release			
<i>inventory_transfer_items</i>	See "inventory_transfer" endpoint for parameter details returned			
<i>manifest_type</i>	Designates the type of inventory transfer	enum	delivery, pick-up, transporter	"delivery"
multi-stop	This parameter has been deprecated and will be removed in an upcoming release			
notes	This parameter has been deprecated and will be removed in an upcoming release			
<i>number_of_edits</i>	The number of total edits made to the inventory transfer	integer(11)	numeric value	"3"
route	This parameter has been deprecated and will be removed in an upcoming release			
<i>status</i>	Identifies the status of the inventory transfer	enum	open, in-transit, received, ready-for-pickup	"open"
stops	This parameter has been deprecated and will be removed in an upcoming release			
<i>test_for_terpenes</i>	Indicates whether a non-mandatory lab sample should have terpenoid profile testing performed upon being sent to the QA lab	boolean	0, 1	"0"
transfer_type	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>transferred_at</i>	The date/time at which a transfer was marked as "in transit"	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>transporter_name1</i>	The name of the driver performing the transport	varchar(255)	up to 255 characters	"Mary Jane Doe"
<i>transporter_name2</i>	The name of a second driver performing the transport	varchar(255)	up to 255 characters	"Sativa Smithers"
type	This parameter has been deprecated and will be removed in an upcoming release			
<i>updated_at</i>	The date/time an inventory transfer/inventory transfer item record was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
vehicle_color	This parameter has been deprecated and will be removed in an upcoming release			
<i>vehicle_description</i>	Make/Model of vehicle used for the inventory transfer	varchar(255)	up to 255 characters	"Chevrolet/CamaroSS"
<i>vehicle_license_plate</i>	The license plate number of the vehicle being used for the transportation of the inventory on the transfer	varchar(255)	up to 255 characters	"ND4SPD"
<i>vehicle_vin</i>	The VIN of the vehicle being used for the transportation of the inventory on the transfer	varchar(255)	up to 255 characters	"1Z2Y3X4W5V6U7T8S"
vehicle_year	This parameter has been deprecated and will be removed in an upcoming release			
<i>void</i>	Indicates whether a transfer record has been voided	boolean	0, 1	"1"

* = modifiable; <bold> = required field; <italics> = returned value; = deprecated value, pending removal

Filters

No filters available

Available Functions

Create Inventory Transfer in Transit

Create Inventory Transfer in Transit

Changes the "status" of an "open" inventory transfer to "in_transit"

Request

POST https://watest.leafdatazone.com/api/v1/inventory_transfers/api_in_transit

Example Request

```
{
  "global_id": "WAG100001.IT5FB"
}
```

Example Response

```
{
  "created_at": "06/01/2018 11:28am",
  "updated_at": "06/01/2018 11:29am",
  "hold_starts_at": "06/01/2018 11:28am",
  "number_of_edits": null,
  "hold_ends_at": "06/02/2018 11:28am",
  "external_id": "",
  "void": "0",
  "transferred_at": "06/01/2018 11:29am",
  "est_departed_at": "06/01/2018 11:27am",
  "est_arrival_at": "06/01/2018 12:27pm",
  "multi_stop": "0",
  "route": "",
  "stops": "",
  "vehicle_description": "Val's Car",
  "vehicle_year": null,
  "vehicle_color": null,
  "vehicle_vin": "123456789",
  "vehicle_license_plate": "123ABC",
  "notes": "",
  "transfer_manifest": null,
  "manifest_type": "delivery",
  "status": "in-transit",
  "type": "inventory",
  "deleted_at": null,
  "transfer_type": "transfer",
}
```

```

"global_id": "WAG100001.IT5FB",
"test_for_terpenes": "0",
"transporter_name1": "Valerie Burns",
"transporter_name2": "",
"global_mme_id": "WAWA1.MM1VA",
"global_user_id": "WAWA1.US4",
"global_from_mme_id": "WAWA1.MM1VA",
"global_to_mme_id": "WAWA1.MM1VE",
"global_from_user_id": "WAWA1.US4",
"global_to_user_id": null,
"global_from_customer_id": null,
"global_to_customer_id": null,
"global_transporter_user_id": null,
"global_transporting_mme_id": null,
"inventory_transfer_items": [
  {
    "created_at": "06/01/2018 11:28am",
    "updated_at": "06/01/2018 11:28am",
    "external_id": "",
    "is_sample": "0",
    "sample_type": null,
    "product_sample_type": "",
    "description": "Dewberry Haze Other Material WAG100001.INF1P WAG100001.BA4Y",
    "qty": "420.0000",
    "price": "1250.00",
    "uom": "gm",
    "received_at": "",
    "received_qty": null,
    "deleted_at": null,
    "retest": "0",
    "global_id": "WAG100001.IIDP0",
    "is_for_extraction": "1",
    "inventory_name": "Dewberry Haze Other Material",
    "strain_name": "Dewberry Haze",
    "global_mme_id": "WAWA1.MM1VA",
    "global_user_id": "WAWA1.US4",
    "global_batch_id": "WAG100001.BA4Y",
    "global_plant_id": null,
    "global_inventory_id": "WAG100001.INF1P",
    "global_lab_result_id": null,
  }
]

```

```

"global_received_area_id": null,
"global_received_strain_id": null,
"global_inventory_transfer_id": "WAG100001.IT5FB",
"global_received_batch_id": null,
"global_received_inventory_id": null,
"global_received_plant_id": null,
"global_received_mme_id": null,
"global_received_mme_user_id": null,
"global_customer_id": null,
"global_inventory_type_id": "WAG100001.TY4N",
"inventory_type": {
  "created_at": "12/16/2017 03:42pm",
  "updated_at": "12/16/2017 03:42pm",
  "external_id": "",
  "name": "Dewberry Haze Other Material",
  "description": "",
  "storage_instructions": "",
  "ingredients": "",
  "type": "harvest_materials",
  "allergens": "",
  "contains": "",
  "used_butane": 0,
  "net_weight": "0.00",
  "packed_qty": null,
  "cost": "0.00",
  "value": "0.00",
  "serving_num": 1,
  "serving_size": "0",
  "uom": "gm",
  "total_marijuana_in_grams": "0.00",
  "deleted_at": null,
  "intermediate_type": "other_material",
  "global_id": "WAG010101.TY9J",
  "global_mme_id": "WASTATE1.MM16",
  "global_user_id": "WASTATE1.US5",
  "global_strain_id": null}
}
]
}
}

```

Inventory Transfer Void

The `/inventory_transfer_void` workflow function changes the "void" status of an inventory transfer to "1", and returns the associated inventory to the sender's on hand counts.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
<code>created_at</code>	The date/time an inventory transfer/inventory transfer item record was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<code>deleted_at</code>	This parameter has been deprecated and will be removed in an upcoming release			
<code>est_arrival_at</code>	The date/time of the estimated time of arrival for the inventory transfer	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<code>est_departed_at</code>	The date/time of the estimated time of departure for the inventory transfer	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<code>external_id</code>	An optional free-form field used to hold any identifying factors of a particular inventory transfer/inventory item record	varchar(40)	up to 40 characters	"INVTRANS1234567"
<code>global_from_customer_id</code>	This parameter has been deprecated and will be removed in an upcoming release			
<code>global_from_mme_id</code>	The global ID of the licensee sending the transfer	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
<code>global_from_user_id</code>	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
global_id	The global ID of the inventory transfer being marked as "void"	Auto-generated unique ID for the inventory transfer record	varchar(255)	up to 255 characters
<i>global_id (inventory item)</i>	The global ID for the inventory item record	varchar(255)	up to 255 characters	"WAX123456.II1Z2Y3"
<i>global_mme_id</i>	The global ID of the licensee sending the transfer	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
global_to_customer_id	This parameter has been deprecated and will be removed in an upcoming release			
<i>global_to_mme_id</i>	The global ID of the licensee designated as the recipient of the transfer	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
global_to_user_id	This parameter has been deprecated and will be removed in an upcoming release			
global_transporter_user_id	This parameter has been deprecated and will be removed in an upcoming release			
<i>global_transporting_mme_id</i>	The global ID of the licensee type "licensed transporter" who is performing the transport of the product (if applicable)	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
<i>global_user_id</i>	The global ID of the user who created the inventory transfer/inventory item record	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
hold_ends_at	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
hold_starts_at	This parameter has been deprecated and will be removed in an upcoming release			
<i>inventory_transfer_items</i>	See "inventory_transfer" endpoint for parameter details returned			
<i>manifest_type</i>	Designates the type of inventory transfer	enum	delivery, pick-up, transporter	"delivery"
multi-stop	This parameter has been deprecated and will be removed in an upcoming release			
notes	This parameter has been deprecated and will be removed in an upcoming release			
<i>number_of_edits</i>	The number of total edits made to the inventory transfer	integer(11)	numeric value	"3"
route	This parameter has been deprecated and will be removed in an upcoming release			
<i>status</i>	Identifies the status of the inventory transfer	enum	open, in-transit, received, ready-for-pickup	"open"
stops	This parameter has been deprecated and will be removed in an upcoming release			
<i>test_for_terpenes</i>	Indicates whether a non-mandatory lab sample should have terpenoid profile testing performed upon being sent to the QA lab	boolean	0, 1	"0"
transfer_type	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>transferred_at</i>	The date/time at which a transfer was marked as "in transit"	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>transporter_name1</i>	The name of the driver performing the transport	varchar(255)	up to 255 characters	"Mary Jane Doe"
<i>transporter_name2</i>	The name of a second driver performing the transport	varchar(255)	up to 255 characters	"Sativa Smithers"
type	This parameter has been deprecated and will be removed in an upcoming release			
<i>updated_at</i>	The date/time an inventory transfer/inventory transfer item record was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
vehicle_color	This parameter has been deprecated and will be removed in an upcoming release			
<i>vehicle_description</i>	Make/Model of vehicle used for the inventory transfer	varchar(255)	up to 255 characters	"Chevrolet/CamaroSS"
<i>vehicle_license_plate</i>	The license plate number of the vehicle being used for the transportation of the inventory on the transfer	varchar(255)	up to 255 characters	"ND4SPD"
<i>vehicle_vin</i>	The VIN of the vehicle being used for the transportation of the inventory on the transfer	varchar(255)	up to 255 characters	"1Z2Y3X4W5V6U7T8S"
vehicle_year	This parameter has been deprecated and will be removed in an upcoming release			
<i>void</i>	Indicates whether a transfer record has been voided	boolean	0, 1	"1"

* = modifiable; <bold> = required field; <italics> = returned value; = deprecated value, pending removal

Filters

No filters available

Available Functions

Create Inventory Transfer Void

Create Inventory Transfer Void

Causes an inventory transfer record to be voided

Request

POST https://watest.leafdatazone.com/api/v1/inventory_transfers/void

Example Request

```
{
  "global_id": "WAG100001.IT5FB"
}
```

Example Response

```
{
  "created_at": "10/01/2018 02:21am",
  "updated_at": "10/01/2018 02:21am",
  "hold_starts_at": "10/01/2018 02:21am",
  "number_of_edits": null,
  "hold_ends_at": "10/02/2018 02:21am",
  "external_id": "",
  "void": 1,
  "transferred_at": "",
  "est_departed_at": "09/30/2018 03:21am",
  "est_arrival_at": "10/01/2018 03:21am",
  "multi_stop": "0",
  "route": "",
  "stops": "",
  "vehicle_description": "",
  "vehicle_year": null,
  "vehicle_color": null,
  "vehicle_vin": "1234567890",
  "vehicle_license_plate": "123ABC",
  "notes": "",
  "transfer_manifest": null,
  "manifest_type": "delivery",
  "status": "open",
  "type": "inventory",
  "deleted_at": null,
  "transfer_type": "transfer",
}
```

```
"global_id": "WAM200002.IT1J2K",  
"test_for_terpenes": "0",  
"transporter_name1": "V Burns",  
"transporter_name2": "",  
"global_mme_id": "WAWA1.MM1VB",  
"global_user_id": "WAWA1.US4",  
"global_from_mme_id": "WAWA1.MM1VB",  
"global_to_mme_id": "WAWA1.MM1VE",  
"global_from_user_id": "WAWA1.US4",  
"global_to_user_id": null,  
"global_from_customer_id": null,  
"global_to_customer_id": null,  
"global_transporter_user_id": null,  
"global_transporting_mme_id": null  
}
```

MME Find

In Washington the front end term for an "MME" is "Licensee". This is a licensed facility or testing lab that is operational. Retrieval of MME information is necessary for completing transfers. The "MME Find" endpoint allows retrieval of MME info using the "mme_code" as a filter for the query.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>address1</i>	The primary address line of the licensee record	varchar(255)	up to 255 characters	"123 Main St"
<i>address2</i>	The secondary address line of the licensee	varchar(255)	up to 255 characters	"Suite 420"
<i>bio_license_number</i>	The license number assigned to the mme (licensee) in the prior traceability system	varchar(255)	up to 255 characters	"ABC123"
<i>bio_location_id</i>	The location ID assigned to the mme (licensee) in the prior traceability system	varchar(255)	up to 255 characters	"ABC123"
<i>bio_org_id</i>	The organizational ID assigned to the mme (licensee) in the prior traceability system	varchar(255)	up to 255 characters	"ABC123"
<i>certificate_number</i>	The nine-digit UBI (unique business identifier) associated with the licensed facility	integer(11)	123456789	"123456789"
<i>city</i>	The city in which the licensee is licensed	varchar(255)	up to 255 characters	"Seattle"
<i>code</i>	The six-digit licensee ID number established by the State of Washington upon licensing of a facility, preceded by the letter associated with the licensee "type" ("G"=Producer, "M"=Processor, "J"=Producer/Processor, "R"=Retailer, "L"="QA testing lab, "T"=Tribe, "E"=Co-op, "Z"=Licensed Transporter Service	varchar(255)	X123456	"R654321"
<i>country_code</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>external_id</i>	An optional free-form field used to hold any identifying factors of a particular licensee	varchar(40)	up to 40 characters	"USER1234567"
<i>fein</i>	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>global_id</i>	Auto-generated unique ID for an mme (licensee)	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
<i>id</i>	Auto-generated numeric ID for this instance of an mme (database value, not UI-facing)	integer(11)	1234567	"1234567"
issuer	This parameter has been deprecated and will be removed in an upcoming release			
<i>name</i>	The name of the licensed facility	varchar(255)	up to 255 characters	"Training Retailer"
<i>phone</i>	The phone number related to the licensed facility	integer(11)	8885551234	"8885551234"
<i>postal_code</i>	The zip code in which the licensee is licensed	integer(11)	12345	"12345"
sender_receiver	This parameter has been deprecated and will be removed in an upcoming release			
<i>state_code</i>	The state in which the licensee is licensed (all values should be returned as "WA")	enum	"WA"	"WA"
<i>type</i>	The type of licensed facility that this record represents ("cultivator"=Producer, "production"=Processor, "cultivator_production"=Producer/Processor, "dispensary"=Retailer, "lab"=QA testing lab, "tribe"=Tribe, "co-op"=Co-op, "transporter"=Licensed Transporter Service)	enum	cultivator, production, cultivator_production, dispensary, lab, tribe, co-op, transporter	"dispensary"

= parameter for filtering only; * = modifiable; <bold> = required field; <italics> = returned value; = deprecated value, pending removal

Filters

Parameter	Filter
<i>mme_code</i>	?f_mme_code={mme_code}

Available Functions

Get MME Find

Get MME Find

Returns information regarding mmes (licensees) using an mme_code filter

Request

GET https://watest.leafdatasystems.com/api/v1/mmes/{mme_code}

Example Response

```
{
  "id": 2423,
  "external_id": "",
  "name": "Training Processor",
  "certificate_number": "222000222",
  "address1": "222 W 2nd Ave",
  "address2": "",
  "city": "Seattle",
  "state_code": "WA",
  "postal_code": "10002",
  "country_code": "",
  "phone": "8885551111",
  "type": "production",
  "code": "M200002",
  "sender_receiver": null,
  "issuer": null,
  "global_id": "WAWA1.MM1VB",
  "bio_org_id": null,
  "bio_location_id": null,
  "bio_license_number": null,
  "fein": "",
  "license_number": null,
  "privilege_code": null,
  "email_contact": null,
  "status_description": null,
  "license_expiration_date": null,
  "enforcement_district": null,
  "global_mme_id": "WAWA1.MM1",
  "mmeAssociations": []
}
```

Move Inventory to Plants

The `/move_inventory_to_plants` workflow function causes plant records to be "unpacked" from an inventory lot. This may occur when 'Immature Plant' inventory records are being converted into growing plants, or when transferred plants that have been moved to inventory already need to be moved back to plant records.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>created_at</i>	The date/time a plant record was created	datetime	yyyy-mm-dd hh:mm:ss	"2018-01-02 12:34:56"
<i>global_area_id</i>	The global ID of the area where the plant is located	varchar(255)	WAX123456.AR1Z2Y3	"WAX123456.AR1Z2Y3"
<i>global_batch_id</i>	Enter the plant batch global ID where the plants should be added, or leave blank to create a new plant batch	varchar(255)	up to 255 characters	"WAX123456.BA1Z2Y3"
<i>global_id</i>	Auto-generated unique ID for the plant	varchar(255)	up to 255 characters	"WAX123456.PL1Z2Y3"
global_inventory_id	Global ID for the inventory record that is to be shifted to plant records	varchar(255)	up to 255 characters	"WAX123456.IN1Z2Y3"
<i>global_mme_id</i>	The global ID of the licensed facility where the plant was created	varchar(255)	WAWA1.MM1Z2Y3	"WAWA1.MM1Z2Y3"
<i>global_mother_plant_id</i>	The global ID of the mother plant associated with the newly created plant	varchar(255)	up to 255 characters	"WAX123456.PL1Z2Y3"
<i>global_strain_id</i>	The global ID of the strain associated with the plant	varchar(255)	up to 255 characters	"WAX123456.ST1Z2Y3"
<i>global_user_id</i>	The global ID of the user who created the plant	varchar(255)	WAWA1.US1Z2Y3	"WAWA1.US1Z2Y3"

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>origin</i>	Indicates propagation source of the plant (for "propagation material", "plant", and "harvest" batch types); for this endpoint, the returned value for "origin" will always be "inventory"	enum	inventory	"inventory"
qty	The number of plants to be created from the origin inventory lot	integer(11)	integer	"123"
<i>stage</i>	Current development stage of the plants in the batch	enum	propagation_material, growing, harvested, packaged, destroyed	"growing"
<i>updated_at</i>	The date/time a plant record was updated	datetime	yyyy-mm-dd hh:mm:ss	"2018-01-02 12:34:56"

* = modifiable; <bold> = required field; <italics> = returned value; = deprecated value, pending removal

Filters

No filters available

Available Functions

Create Move Inventory to Plants

Create Move Inventory to Plants

Creates plant records from an inventory lot comprised of mature or immature plants

Request

POST https://watest.leafdatazone.com/api/v1/move_inventory_to_plants

Example Request

```
{
  "global_inventory_id": "WAG100001.INAJ2",
  "global_batch_id": "leave blank to create new batch, or add to existing",
  "qty": "3"
}
```

Example Response

```
[
  {
    "origin": "inventory",
    "stage": "veg",
    "updated_at": "06/01/2018 12:34am",
    "created_at": "06/01/2018 12:34am",
    "global_id": "WAG100001.PL1MJQ",
    "global_mme_id": "WAWA1.MM1VA",
    "global_user_id": "WAWA1.US4",
    "global_batch_id": "WAG100001.BAETV",
    "global_area_id": "WAG100001.AR1L",
    "global_mother_plant_id": null,
    "global_strain_id": "WAG100001.ST1T"
  },
  {
    "origin": "inventory",
    "stage": "veg",
    "updated_at": "06/01/2018 12:34am",
    "created_at": "06/01/2018 12:34am",
    "global_id": "WAG100001.PL1MJT",
    "global_mme_id": "WAWA1.MM1VA",
    "global_user_id": "WAWA1.US4",
    "global_batch_id": "WAG100001.BAETV",
    "global_area_id": "WAG100001.AR1L",
    "global_mother_plant_id": null,
  }
]
```

```
    "global_strain_id": "WAG100001.ST1T"
  },
  {
    "origin": "inventory",
    "stage": "veg",
    "updated_at": "06/01/2018 12:34am",
    "created_at": "06/01/2018 12:34am",
    "global_id": "WAG100001.PL1MJU",
    "global_mme_id": "WAWA1.MM1VA",
    "global_user_id": "WAWA1.US4",
    "global_batch_id": "WAG100001.BAETV",
    "global_area_id": "WAG100001.AR1L",
    "global_mother_plant_id": null,
    "global_strain_id": "WAG100001.ST1T"
  }
]
```

Move Plants to Inventory

The /move_plants_to_inventory workflow function causes plant records to be "packaged" into an inventory lot. This may occur when 'Immature Plant' or 'Mature Plant' records are being transferred. Packaged plants should all represent the same strain.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>area_id</i>	Auto-generated numeric ID for the area where the inventory is located (database value, not UI-facing)	integer(11)	1234567	"1234567"
<i>batch</i>	See "batches" endpoint for parameter details returned			
<i>batch_id</i>	Auto-generated numeric ID for the batch created (database value, not UI-facing)	integer(11)	1234567	"1234567"
<i>created_at</i>	The date/time an inventory record was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>created_by_mme_id</i>	Auto-generated numeric ID for the licensee who created this record (database value, not UI-facing)	integer(11)	1234567	"1234567"
global_area_id	The global ID of the area where the inventory lot is located	varchar(255)	WAX123456.AR1Z2Y3	"WAX123456.AR1Z2Y3"
<i>global_batch_id</i>	The global ID of the batch associated with the inventory lot	varchar(255)	up to 255 characters	"WAX123456.BA1Z2Y3"
<i>global_created_by_mme_id</i>	The global ID of the licensee where the inventory originated	varchar(255)	WAWA1.MM1Z2Y3	"WAWA1.MM1Z2Y3"
<i>global_id</i>	Auto-generated unique ID for the inventory record	varchar(255)	up to 255 characters	"WAX123456.IN1Z2Y3"

Parameter	Description	Type	Valid Entries (for WA)	Example
global_inventory_type_id	The global ID of the inventory type to be associated with the resultant inventory lot (to automatically create a new inventory type incorporating the strain and origin of the plants into the name, leave this parameter blank)	varchar(255)	up to 255 characters	"WAX123456.TY1Z2Y3"
<i>global_inventory_type_id</i>	The global ID of the inventory type associated with the inventory	varchar(255)	WAX123456.LR1Z2Y3	"WAX123456.TY1Z2Y3"
<i>global_lab_result_id</i>	The global ID of the lab results (created by a QA lab) associated with the inventory lot	varchar(255)	WAX123456.LR1Z2Y3	"WAX123456.LR1Z2Y3"
<i>global_mme_id</i>	The global ID of the licensee where the inventory record was created	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
global_plant_ids	The global IDs of the plants that are to be packaged into inventory	varchar(255)	up to 255 characters	"WAX123456.PL1Z2Y3"
<i>global_strain_id</i>	The global ID of the strain associated with the inventory (if applicable)	varchar(255)	WAX123456.ST1Z2Y3	"WAX123456.ST1Z2Y3"
<i>global_user_id</i>	The global ID of the user who created the inventory record	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
inventory_created_at	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>inventory_packaged_at</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>inventory_type_id</i>	Auto-generated numeric ID for the inventory type associated with the record (database value, not UI-facing)	integer(11)	1234567	"1234567"
<i>mme_id</i>	Auto-generated numeric ID for the licensee who owns this record (database value, not UI-facing)	integer(11)	1234567	"1234567"
<i>propagation_source</i>	The propagation_source associated with the plants being packaged into inventory	enum	seed, clone, tissue	"seed"
<i>qty</i>	The quantity of inventory present in the lot, relative to the unit of measure ("uom") of the associated inventory type	integer(11)	integer	"123"
<i>source</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>strain_id</i>	Auto-generated numeric ID for the strain associated with the inventory (database value, not UI-facing)	integer(11)	1234567	"1234567"
<i>updated_at</i>	The date/time an inventory record was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>user_id</i>	Auto-generated numeric ID for the user who created this record (database value, not UI-facing)	integer(11)	1234567	"1234567"

* = modifiable; <**bold**> = required field; <*italics*> = returned value; <~~strikethrough~~> = deprecated value, pending removal

Filters

No filters available

Available Functions

Create Move Plants to Inventory

Create Move Inventory to Plants

Creates an inventory lot of immature or mature plants of the same strain, within the same area

Request

POST https://watest.leafdatazone.com/api/v1/move_plants_to_inventory

Example Request

```
{
  "global_plant_ids": [
    "WAG100001.PLABA",
    "WAG100001.PLABB",
    "WAG100001.PLABC"
  ],
  "global_inventory_type_id": "{enter global id or leave blank to create new}",
  "global_area_id": "WAG100001.AR1M"
}
```

Example Response

```
{
  "user_id": 4,
  "mme_id": 2492,
  "created_by_mme_id": 2492,
  "source": "inhouse",
  "batch_id": 40668,
  "inventory_type_id": 24967,
  "area_id": "22737",
  "strain_id": "9268",
  "qty": 3,
  "inventory_created_at": "10/01/2018",
  "inventory_packaged_at": "10/01/2018",
  "propagation_source": "none",
  "updated_at": "10/01/2018 02:39am",
  "created_at": "10/01/2018 02:39am",
  "id": 347001,
  "global_id": "WAG111111.IN7FQX",
  "batch": {
    "created_at": "10/01/2018 02:39am",
    "updated_at": "10/01/2018 02:39am",
    "external_id": "",
    "planted_at": "09/27/2018",
    "harvested_at": "",
    "batch_created_at": "2018-09-27 11:20:51",
  }
}
```

```

    "num_plants": "0",
    "status": "open",
    "qty_harvest": "0.00",
    "uom": "ea",
    "is_parent_batch": "1",
    "is_child_batch": "1",
    "type": "plant",
    "harvest_stage": "",
    "qty_accumulated_waste": "0.00",
    "qty_packaged_flower": "0.00",
    "qty_packaged_by_product": "0.00",
    "est_harvest_at": "",
    "packaged_completed_at": "",
    "origin": "clone",
    "source": "inhouse",
    "qty_cure": "0.00",
    "plant_stage": "",
    "deleted_at": null,
    "flower_dry_weight": "0.00",
    "waste": "0.00",
    "other_waste": "0.00",
    "flower_waste": "0.00",
    "other_dry_weight": "0.00",
    "harvested_end_at": "",
    "flower_wet_weight": "0.00",
    "other_wet_weight": "0.00",
    "global_id": "WAG111111.BAVDO",
    "global_mme_id": "WAWA1.MM1X8",
    "global_user_id": "WAWA1.US4",
    "global_strain_id": "WAG111111.ST75G",
    "global_area_id": "WAG111111.ARHJL"
  }
}

```

Plants by Area

Areas in a licensed cultivator (Producer) or cultivator_production (Producer/Processor) type facility may include active plant records. This count only includes plants that are in a "growing" phase. The "plants_by_area" function returns growing plant counts for all areas at a licensed facility.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>global_area_id</i>	Auto-generated unique ID for the area being queried	varchar(255)	up to 255 characters	"WAX123456.AR1Z2Y3"
global_batch_id	This parameter has been deprecated and will be removed in an upcoming release			
<i>global_mme_id</i>	Auto-generated unique ID for the licensee (mme) that the plants belong to	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
global_mother_plant_id	This parameter has been deprecated and will be removed in an upcoming release			
global_strain_id	This parameter has been deprecated and will be removed in an upcoming release			
global_user_id	This parameter has been deprecated and will be removed in an upcoming release			
<i>name</i>	The name of the area being queried for plant records	varchar(255)	up to 255 characters	"Flowering Room 100"
<i>num_plants</i>	The number of plants in the selected area	integer(11)	123	"123"
<i>type</i>	The type of the area being queried for plant records	enum	quarantine, non-quarantine	"non-quarantine"

= parameter for filtering only; * = modifiable; <bold> = required field; <italics> = returned value; = deprecated value, pending removal

Filters

There are no filters for this workflow function

Available Functions

Get Plants by Areas

Get Plants by Area

Returns plant counts for all areas at a licensed facility

Request

GET https://watest.leafdatasystems.com/api/v1/plants_by_area

Example Response

```
{
  "total": 1,
  "per_page": 2500,
  "current_page": 1,
  "last_page": 1,
  "next_page_url": null,
  "prev_page_url": null,
  "from": 1,
  "to": 1,
  "data": [
    {
      "num_plants": "171",
      "name": "Propagation Room",
      "type": "non-quarantine",
      "global_mme_id": "WAWA1.MM1VA",
      "global_user_id": null,
      "global_batch_id": null,
      "global_area_id": "WAG100001.AR1L",
      "global_mother_plant_id": null,
      "global_strain_id": null
    }
  ]
}
```

Receive Transfer

Receive Transfer workflow function allows licensees to receive inventory associated with an inventory transfer that has been sent by another licensee. NOTE: To acquire the inventory item global ID necessary for the POST to be performed, use the `/inventory_transfers` GET call, filtered to the inventory transfer global ID of the transfer being received.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
<code>created_at</code>	The date/time an inventory transfer/inventory transfer item record was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<code>deleted_at</code>	This parameter has been deprecated and will be removed in an upcoming release			
<code>est_arrival_at</code>	The date/time of the estimated time of arrival for the inventory transfer	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<code>est_departed_at</code>	The date/time of the estimated time of departure for the inventory transfer	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<code>external_id</code>	An optional free-form field used to hold any identifying factors of a particular inventory transfer record	varchar(40)	up to 40 characters	"INVTRANS1234567"
<code>global_from_customer_id</code>	This parameter has been deprecated and will be removed in an upcoming release			
<code>global_from_mme_id</code>	The global ID of the licensee sending the transfer	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
<code>global_from_user_id</code>	This parameter has been deprecated and will be removed in an upcoming release			
<code>global_id</code>	The global ID of the inventory transfer being received	varchar(255)	up to 255 characters	"WAWA1.IT1Z2Y3"
<code>global_id (inventory item)</code>	The global ID for the inventory item record	varchar(255)	up to 255 characters	"WAX123456.II1Z2Y3"
<code>global_received_area_id (inventory item)</code>	The global ID of the area at the receiving facility where the inventory is located	varchar(255)	up to 255 characters	"WAX123456.AR1Z2Y3"

Parameter	Description	Type	Valid Entries (for WA)	Example
global_received_batch_id (inventory item)	This parameter has been deprecated and will be removed in an upcoming release			
<i>global_received_inventory_id</i> (inventory item)	The global ID of the inventory lot at the receiving facility that is associated with this inventory item	varchar(255)	up to 255 characters	"WAX123456.IN1Z2Y3"
<i>global_received_inventory_type_id</i> (inventory item)	The global ID of the inventory type at the receiving facility that is associated with this inventory item; if one does not exist, it will be automatically created based on the 'type' and 'intermediate_type' of the product being received	varchar(255)	up to 255 characters	"WAX123456.IN1Z2Y3"
global_received_plant_id (inventory item)	This parameter has been deprecated and will be removed in an upcoming release			
<i>global_received_strain_id</i> (inventory item)	The global ID of the strain at the receiving facility associated with the received inventory	varchar(255)	up to 255 characters	"WAX123456.ST1Z2Y3"
global_to_customer_id	This parameter has been deprecated and will be removed in an upcoming release			
<i>global_to_mme_id</i>	The global ID of the licensee designated as the recipient of the transfer	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
global_to_user_id	This parameter has been deprecated and will be removed in an upcoming release			
global_transporter_user_id	This parameter has been deprecated and will be removed in an upcoming release			
<i>global_transporting_mme_id</i>	The global ID of the licensee type "licensed transporter" who is performing the transport of the product (if applicable)	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
<i>global_user_id</i>	The global ID of the user who created the inventory transfer/inventory item record	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
hold_ends_at	This parameter has been deprecated and will be removed in an upcoming release			
hold_starts_at	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>inventory_transfer_items</i>	See "inventory_transfer" endpoint for parameter details returned			
<i>manifest_type</i>	Designates the type of inventory transfer	enum	delivery, pick-up, transporter	"delivery"
multi-stop	This parameter has been deprecated and will be removed in an upcoming release			
notes	This parameter has been deprecated and will be removed in an upcoming release			
<i>number_of_edits</i>	The number of total edits made to the inventory transfer	integer(11)	numeric value	"3"
received_qty (inventory item)	The quantity of a particular inventory item being received	decimal(14,2)	1234.56	"1234.56"
route	This parameter has been deprecated and will be removed in an upcoming release			
<i>status</i>	Identifies the status of the inventory transfer	enum	open, in-transit, received, ready-for-pickup	"open"
stops	This parameter has been deprecated and will be removed in an upcoming release			
<i>test_for_terpenes</i>	Indicates whether a non-mandatory lab sample should have terpenoid profile testing performed upon being sent to the QA lab	boolean	0, 1	"0"
transfer_type	This parameter has been deprecated and will be removed in an upcoming release			
<i>transferred_at</i>	The date/time at which a transfer was marked as "in transit"	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>transporter_name1</i>	The name of the driver performing the transport	varchar(255)	up to 255 characters	"Mary Jane Doe"
<i>transporter_name2</i>	The name of a second driver performing the transport	varchar(255)	up to 255 characters	"Sativa Smithers"
type	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>updated_at</i>	The date/time an inventory transfer/inventory transfer item record was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
vehicle_color	This parameter has been deprecated and will be removed in an upcoming release			
<i>vehicle_description</i>	Make/Model of vehicle used for the inventory transfer	varchar(255)	up to 255 characters	"Chevrolet/CamaroSS"
<i>vehicle_license_plate</i>	The license plate number of the vehicle being used for the transportation of the inventory on the transfer	varchar(255)	up to 255 characters	"ND4SPD"
<i>vehicle_vin</i>	The VIN of the vehicle being used for the transportation of the inventory on the transfer	varchar(255)	up to 255 characters	"1Z2Y3X4W5V6U7T8S"
vehicle_year	This parameter has been deprecated and will be removed in an upcoming release			
<i>void</i>	Indicates whether a transfer record has been voided	boolean	0, 1	"1"

* = modifiable; <bold> = required field; <italics> = returned value; = deprecated value, pending removal

Filters

No filters available

Available Functions

Create Receive Transfer

Create Receive Transfer

Provides the ability to harvest plants into a new or pre-existing harvest batch

Request

POST https://watest.leafdatazone.com/api/v1/inventory_transfers/api_receive

Example Request

```
{
  "global_id": "WAG100001.IT5P",
  "inventory_transfer_items": [{
    "global_id": "WAG100001.II7F",
    "received_qty": "2599.00",
    "global_received_area_id": "WAM200002.AR24",
    "global_received_strain_id": "WAM200002.ST20"
  }]
}
```

Example Response

```
{
  "created_at": "02/11/2018 06:03pm",
  "updated_at": "02/15/2018 06:29am",
  "hold_starts_at": "02/11/2018 06:03pm",
  "number_of_edits": "1",
  "hold_ends_at": "02/12/2018 06:03pm",
  "external_id": "",
  "void": "0",
  "transferred_at": "02/11/2018 06:03pm",
  "est_departed_at": "02/10/2018 07:02pm",
  "est_arrival_at": "02/11/2018 07:03pm",
  "multi_stop": "0",
  "route": "",
  "stops": "",
  "vehicle_description": "Val's Car",
  "vehicle_year": null,
  "vehicle_color": null,
  "vehicle_vin": "12345678986746252",
  "vehicle_license_plate": "123ABC",
}
```

```

"notes": "",
"transfer_manifest": null,
"manifest_type": "delivery",
"status": "received",
"type": "inventory",
"deleted_at": null,
"transfer_type": "transfer",
"global_id": "WAG100001.IT5P",
"test_for_terpenes": "0",
"transporter_name1": "Valerie Burns",
"transporter_name2": "",
"global_mme_id": "WAWA1.MM1VA",
"global_user_id": "WAWA1.US4",
"global_from_mme_id": "WAWA1.MM1VA",
"global_to_mme_id": "WAWA1.MM1VB",
"global_from_user_id": "WAWA1.US4",
"global_to_user_id": null,
"global_from_customer_id": null,
"global_to_customer_id": null,
"global_transporter_user_id": null,
"global_transporting_mme_id": null,
"inventory_transfer_items": [
  {
    "created_at": "02/11/2018 06:03pm",
    "updated_at": "02/15/2018 06:29am",
    "external_id": "",
    "is_sample": "0",
    "sample_type": null,
    "product_sample_type": "",
    "description": "Dewberry Haze Dewberry Haze Flower Lots WAG100001.INDH WAG100001.BAAJ",
    "qty": "2599.0000",
    "price": "5000.00",
    "uom": "gm",
    "received_at": "05/29/2018 06:29am",
    "received_qty": "2599.0000",
    "deleted_at": null,
    "retest": "0",
    "global_id": "WAG100001.II7F",
    "is_for_extraction": "1",
    "inventory_name": "Dewberry Haze Flower Lots",

```

```

"strain_name": "Dewberry Haze",
"global_mme_id": "WAWA1.MM1VA",
"global_user_id": "WAWA1.US4",
"global_batch_id": "WAG100001.BAAJ",
"global_plant_id": null,
"global_inventory_id": "WAG100001.INDH",
"global_lab_result_id": null,
"global_received_area_id": null,
"global_received_strain_id": null,
"global_inventory_transfer_id": "WAG100001.IT5P",
"global_received_batch_id": "WAM200002.BADYS",
"global_received_inventory_id": "WAM200002.INF1R",
"global_received_plant_id": null,
"global_received_mme_id": "WAWA1.MM1VB",
"global_received_mme_user_id": "WAWA1.US4",
"global_customer_id": null,
"global_inventory_type_id": "WAG100001.TY4G",
"inventory_type": {
  "created_at": "12/16/2017 03:42pm",
  "updated_at": "12/16/2017 03:42pm",
  "external_id": "",
  "name": "Dewberry Haze Flower Lots",
  "description": "",
  "storage_instructions": "",
  "ingredients": "",
  "type": "harvest_materials",
  "allergens": "",
  "contains": "",
  "used_butane": 0,
  "net_weight": "0.00",
  "packed_qty": null,
  "cost": "0.00",
  "value": "0.00",
  "serving_num": 1,
  "serving_size": "0",
  "uom": "gm",
  "total_marijuana_in_grams": "0.00",
  "deleted_at": null,
  "intermediate_type": "flower_lots",
  "global_id": "WAG010101.TY9J",

```

```
    "global_mme_id": "WASTATE1.MM16",  
    "global_user_id": "WASTATE1.US5",  
    "global_strain_id": null}  
  ]  
}  
}
```

Split Inventory

The /split_inventory workflow function allows for inventory lots to be split into children lots that are related to the parent lot. Inventory should NOT be split prior to transferring samples to a lab, since the lab sample must be derived from the parent lot at time of transfer in order for the lab results to properly associate with it.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
additives	This parameter has been deprecated and will be removed in an upcoming release			
<i>batch</i>	See "batches" endpoint for parameter details returned			
cost	This field is still currently required in the API call, but is being deprecated in a future release; use a null value to complete			
cost	This parameter has been deprecated and will be removed in an upcoming release			
<i>created_at</i>	The date/time an inventory record was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>deleted_at</i>	The date/time an inventory record was deleted	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
external_id	An optional free-form field used to hold any identifying factors of a particular inventory record	varchar(40)	up to 40 characters	"LOT1234567"
global_area_id	The global ID of the area where the inventory lot being split from the parent is located	varchar(255)	WAX123456.AR1Z2Y3	"WAX123456.AR1Z2Y3"

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>global_area_id</i>	The global ID of the area where the inventory lot is located	varchar(255)	WAX123456.AR1Z2Y3	"WAX123456.AR1Z2Y3"
<i>global_batch_id</i>	The global ID of the batch associated with the inventory lot	varchar(255)	up to 255 characters	"WAX123456.BA1Z2Y3"
<i>global_created_by_mme_id</i>	The global ID of the licensee where the inventory originated	varchar(255)	WAWA1.MM1Z2Y3	"WAWA1.MM1Z2Y3"
<i>global_id</i>	Auto-generated unique ID for the inventory record created	varchar(255)	up to 255 characters	"WAX123456.IN1Z2Y3"
global_inventory_id	Global ID for the inventory record that is to be split	varchar(255)	up to 255 characters	"WAX123456.IN1Z2Y3"
<i>global_inventory_type_id</i>	The global ID of the inventory type associated with the inventory	varchar(255)	WAX123456.LR1Z2Y3	"WAX123456.TY1Z2Y3"
<i>global_lab_result_id</i>	The global ID of the lab results (created by a QA lab) associated with the inventory lot	varchar(255)	WAX123456.LR1Z2Y3	"WAX123456.LR1Z2Y3"
<i>global_mme_id</i>	The global ID of the licensee where the inventory record was created	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>global_original_id</i>	The global ID of the inventory lot relative to the facility that it was received FROM; For Retailers (and anyone receiving inventory), this value is important for being able to identify an inventory lot based on the global ID on the labelling/package	varchar(255)	up to 255 characters	"WAX123456.IN1Z2Y3"
<i>global_strain_id</i>	The global ID of the strain associated with the inventory (if applicable)	varchar(255)	WAX123456.ST1Z2Y3	"WAX123456.ST1Z2Y3"
<i>global_user_id</i>	The global ID of the user who created the inventory record	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
<i>inventory_created_at</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>inventory_expires_at</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>inventory_packaged_at</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>inventory_type</i>	See "inventory_types" endpoint for parameter details returned			

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>is_initial_inventory</i>	Denotes whether inventory represents post-contingency on hand inventory created by 4/30/2018	boolean	0, 1	"1"
<i>lab_results_attested</i>	If inventory "is_initial_inventory", then lab results attestation is required to bypass QA result requirements for product to transfer; Attestation affirms the following on behalf of the licensee: "I attest the attached Quality Assurance Test result is accurate or the marijuana product does not require Quality Assurance Test results at this stage"	boolean	0, 1	"1"
<i>lab_results_date</i>	The date the attached lab results were completed at the QA lab, per the pdf upload (if applicable)	date	mm/dd/yyyy	"02/01/2018"
<i>lab_results_file_path</i>	The base64-encoded file reference for the pdf lab results associated with the inventory lot	base64-encoded file path	css;base64,/9j/4AAQSkZJRgABAQEAWgBaAAD/4gxYSUNDX1	"css;base64,/9j/4AAQSkZJRgABAQEAWgBaAAD/4gxYSUNDX1"
<i>lab_retest_id</i>	Unique database value related to a lab result created for a retest	integer(11)	1234567	"1234567"

Parameter	Description	Type	Valid Entries (for WA)	Example
last_harvest_stage	This parameter has been deprecated and will be removed in an upcoming release			
<i>legacy_id</i>	FE term for "legacy_id" is "Contingency/Old Traceability ID"; numeric ID from previous traceability methods entered only if inventory is designated as "initial_inventory"	integer(11)	1234567898765432	"1234567898765432"
marijuana_type	This parameter has been deprecated and will be removed in an upcoming release			
<i>medically_compliant</i>	Denotes whether or not an inventory lot is designated as medically compliant	boolean	0, 1	"0"
net_weight	This field is still currently required in the API call, but is being deprecated in a future release; use a null value to complete			
packed_qty	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
qty	The quantity of inventory being split into the new lot from the parent lot, relative to the unit of measure ("uom") of the associated inventory type	integer(11) or decimal(14,2)	integer if "uom"="ea" and decimal value if "uom"="gm"	"12345.67"
<i>qty</i>	The quantity of inventory present in the lot, relative to the unit of measure ("uom") of the associated inventory type	integer(11) or decimal(14,2)	integer if "uom"="ea" and decimal value if "uom"="gm"	"12345.67"
released_by_state	This parameter has been deprecated and will be removed in an upcoming release			
<i>sent_for_testing</i>	Denotes whether a sample of this inventory lot has been sent to the QA lab for mandatory or non-mandatory testing	boolean	0, 1	"0"
servicing_num	This parameter has been deprecated and will be removed in an upcoming release			
servicing_size	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
source	This parameter has been deprecated and will be removed in an upcoming release			
total_marijuana_in_grams	This parameter has been deprecated and will be removed in an upcoming release			
<i>uom</i>	The unit of measure associated with the inventory lot, derived from the associated inventory types	enum	gm, ea	"gm"
<i>updated_at</i>	The date/time an inventory record was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
value	This parameter has been deprecated and will be removed in an upcoming release			

* = modifiable; **<bold>** = required field; *<italics>* = returned value; ~~<strikethrough>~~ = deprecated value, pending removal

Filters

No filters available

Available Functions

Create Split Inventory

Create Split Inventory

Splits a child lot off of a parent inventory lot while maintaining the same attributes as the parent lot

Request

POST https://watest.leafdatazone.com/api/v1/split_inventory

Example Request

```
{
  "global_inventory_id": "WAG100001.IN61",
  "global_area_id": "WAG100001.AR1R",
  "external_id": "SPLIT123",
  "qty": "456",
  "net_weight": "",
  "cost": ""
}
```

Example Response

```
{
  "external_id": "SPLIT123",
  "released_by_state": null,
  "lab_retest_id": null,
  "is_initial_inventory": "0",
  "net_weight": "0.00",
  "inventory_created_at": "01/29/2018",
  "inventory_expires_at": "",
  "inventory_packaged_at": "06/05/2018",
  "qty": "456",
  "packed_qty": "0.0000",
  "cost": "0.00",
  "value": "0.00",
  "source": "inhouse",
  "uom": "gm",
  "total_marijuana_in_grams": "0.00",
  "additives": "",
  "serving_num": ""
}
```



```

"serving_size": "",
"marijuana_type": "flower",
"sent_for_testing": "0",
"deleted_at": null,
"last_harvest_stage": "cure",
"medically_compliant": null,
"global_id": "WAG100001.ING22",
"legacy_id": null,
"lab_result_file_path": null,
"lab_results_attested": "0",
"lab_results_date": "",
"global_original_id": "WAG100001.IN61",
"updated_at": "06/05/2018 01:31am",
"created_at": "06/05/2018 01:31am",
"global_mme_id": "WAWA1.MM1VA",
"global_user_id": "WAWA1.US4",
"global_batch_id": "WAG100001.BA4W",
"global_area_id": "WAG100001.AR1R",
"global_lab_result_id": null,
"global_strain_id": "WAG100001.ST1W",
"global_inventory_type_id": "WAG100001.TY47",
"global_created_by_mme_id": null,
"batch": {
  "created_at": "01/29/2018 12:29pm",
  "updated_at": "01/29/2018 12:34pm",
  "external_id": "",
  "planted_at": "",
  "harvested_at": "01/29/2018",
  "batch_created_at": "2018-01-29 12:29:53",
  "num_plants": "24",
  "status": "closed",
  "qty_harvest": "30000.0000",
  "uom": "gm",
  "is_parent_batch": "1",
  "is_child_batch": "1",
  "type": "harvest",
  "harvest_stage": "finished",
  "qty_accumulated_waste": "1111.0000",
  "qty_packaged_flower": "1200.0000",
  "qty_packaged_by_product": "600.0000",

```

```

    "est_harvest_at": "",
    "packaged_completed_at": "",
    "origin": "seed",
    "source": "inhouse",
    "qty_cure": "0.0000",
    "plant_stage": "harvested",
    "deleted_at": null,
    "flower_dry_weight": "0.00",
    "waste": null,
    "other_dry_weight": "0.00",
    "harvested_end_at": "01/29/2018 01:00pm",
    "flower_wet_weight": "24000.00",
    "other_wet_weight": "6000.00",
    "global_id": "WAG100001.BA4W",
    "global_mme_id": "WAWA1.MM1VA",
    "global_user_id": "WAWA1.US4",
    "global_strain_id": "WAG100001.ST1W",
    "global_area_id": "WAG100001.AR1L"
  },
  "inventory_type": {
    "created_at": "01/29/2018 12:07pm",
    "updated_at": "01/29/2018 12:07pm",
    "external_id": "",
    "name": "Harlequin Flower",
    "description": "",
    "storage_instructions": "",
    "ingredients": "",
    "type": "harvest_materials",
    "allergens": "",
    "contains": "",
    "used_butane": "0",
    "net_weight": "0.00",
    "packed_qty": "0.0000",
    "cost": "0.00",
    "value": "0.00",
    "serving_num": "",
    "serving_size": "",
    "uom": "gm",
    "total_marijuana_in_grams": "0.00",
    "deleted_at": null,

```

```
    "intermediate_type": "flower",  
    "global_id": "WAG100001.TY47",  
    "global_mme_id": "WAWA1.MM1VA",  
    "global_user_id": "WAWA1.US4",  
    "global_strain_id": null  
  }  
}
```