Import Wizard Field Definitions

Revision Date
November 11, 2010

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Purpose of this Guide

In the GRIN-Global Admin Tool, the **Import Wizard** is used for bulk importing data. The GRIN-Global Cookbook for importing data describes 12 main Import Wizard dataviews. This document is a subset of the GRIN-Global Data Dictionary and contains descriptions of the fields used by these Import Wizard dataviews.

(01) Database Code Groups & Values

Fields

The Import Wizard dataview for importing **Code Groups and Values** records updates two related tables: **code_value** and **code_value_language**. The wizard imports four fields:

Field (Friendly Name) [Table]	**Length/ Attribute***	**Description**	**Examples**
group_name (Group Name) [code_value]	100	The group name used for a set of codes. Example: Improvement Status. Refer to the online document "[tbd]" that describes in detail the codes that are used by GRIN-Global.	PATOGEN_STATUS, PATHOLOGY_TEST, POLLINATION_METHOD
value (Vallue) [code_value]	20	The actual value of a code	FREE, INFECTED, TESTED, UNTESTED
title (Title) [code_value_language]	500	This is the text displayed in the dropdowns.	Pathogen free Infected
description (Description) [code_value_language]	max	An optional description used to provide additional information about the code's value.	"All available tests have been performed and all results were negative."

*nvarchar, unless specified; length is the allowable number of characters; "max" is the maximum number of characters allowed by the database management tool

(02) Site Table

Fields

The Import Wizard **Site** dataview imports the following fields for the **site** table:

Field (Friendly Name) [Table]	**Length/ Attribute***	**Description**	**Examples**
site_short_name (Site Abbreviation) [site]		The short name of the germplasm institute.	GSZE, NGRL
site_long_name (Site Long Name) [site]		The long, descriptive name of the germplasm institute.	Maize Genetic Stock Center, National Germplasm Resources Laboratory
organization_abbrev (Organization Abbreviation) [site]		Field for FAO ACRONYM values.	VEREMME, ORP, DEEC
is_Internal Is Internal? [site]		"Y" indicates site is one of the organization's sites.	Y/N; T/F; 1/0
is_distribution_site Is Distribution Site [site]		A flag field to indicate whether the maintenance site distributes germplasm.	Y/N; T/F; 1/0
type_code Type Code [site]		Indicates the type of materials that are maintained at the site. (Note: **Type Code** must be one of the values in the **CodeValue** table under the Group Name **SITE_TYPE**.)	CLONAL, MIXED, SEED
fao_institute_number FAP Institute Number [site]		The FAO code of the institute where the accession is maintained.	USA174, USA007
note (Note) [site]		General remarks about the maintenance institute.	

(03) Region Table

Fields

The Import Wizard **Region** dataview imports the following fields for the **region** table:

Field (Friendly Name)	Length/ Attribute*	Description	Examples
continent (Continent)		The continent name within the region.	Africa
subcontinent (Subcontinent)		The sub continent name within the region.	East Tropical Africa, Northeast Tropical Africa Western Indian Ocean
sequence_number (Sequence Number)		When provided, indicates the preferred order for display in the Public Website, rather than displaying information in a default alphabetic order.	
continent_abbreviation (Continent Abbreviation)		The abbreviation of the continent name.	
subcontinent_abbreviation (Subcontinent Abbreviation)		The abbreviation of the subcontinent name.	
note (Region Note)		General remarks about the region.	

(04) GRIN-Global Geography Data

Fields

The Import Wizard dataview for importing Geography-related records updates two tables: **geography** and **geography_lang**. (Unless indicated, the fields are from the geography table.) The fields imported are:

Field (Friendly Name)	Length/ Attribute*	Description	Examples
current_geography_id (Current Valid Geography)			
country_code (Country)		The country name code. (Note: **Country** must be one of the values in the **CodeValue** table under the Group Name **GEOGRAPHY_COUNTRY_CODE** .)	BRA, CAN, MEX
adm1 (Administration 1)		The first administrative division of the geographic location.	Parana, New Brunswick, Durango
adm1_type_code (Administration 1 Type Code)		The code indicating the type of the first administrative division for the geographic location. (Note: **Administration 1 Type Code** must be one of the values in the **CodeValue** table under the Group Name **GEOGRAPHY_ADMIN1 _TYPE**.)	Atoll, Autonomous oblast
adm2 (Administration 2)		The second level of the geographic location.	
adm2_type_code (Administration 2 Type Code)		The code indicating the type of the second administrative division for the geographic location. (Note: **Administration 2 Type Code** must be one of the values in the **CodeValue** table under the Group Name **GEOGRAPHY_ADMIN2 _TYPE**.)	
adm3 (Administration 3)		The third level of the geographic location.	

Field (Friendly Name)	Length/ Attribute*	Description	Examples
adm3_type_code (Administration 3 Type Code)		The code indicating the type of the third administrative division for the geographic location.	
adm4 (Administration 4)		The fourth level of the geographic location.	
adm4_type_code (Administration 4 Type Code)		The code indicating the type of the fourth administrative division for the geographic location.	
changed_date (Changed Date)		The date that the geographic name was officially changed.	
note (Note)			
title (Title) [geography_lang]		This is the text [tbd]	[tbd]
description (Description) [geography_lang]		An optional description used to provide additional information about the country.	

(05) Cooperators

Fields

The Import Wizard dataview for importing Cooperator data updates three tables: **cooperator, geography, and site**. The fields imported are:

Field (Friendly Name) [Table]	**Length/ Attribute ***	**Description**	**Examples**
ietf_tag (IETF Language Tag) [sys_lang]			en-US, es-419
last_name (Lastname) [cooperator]		The last name of the cooperator. Leave blank if record is for an institution.	Nabikov, Faxzi, Smith
title (Title) [cooperator]		The title of the cooperator.	Dr., Prof., Ms.
first_name (First Name) [cooperator]		The first and any other given names of the cooperator.	Onslow, Eustice, Vladimir
job (Job) [cooperator]		The job/position of the cooperator.	Breeder, Acting Director
organization (Organization Code) [cooperator]		The full organization or institute name of the cooperator.	Vavilov Research Institute
organization_abbrev (Organization Abbreviation) [cooperator]		The abbreviation, acronym or initials of the organization.	VIR
address_line1 (Address Line 1) [cooperator]		The subdivision (Department, Branch, Unit, Division) of the organization if one exists. Otherwise it contains address information (e.g., Street, P.O. Box).	
address_line2 (Address Line 2) [cooperator]		A second line of address for additional information.	
address_line3 (Address Line 3)		A third line of address for additional	

Field (Friendly Name) [Table]	Length/ Attribute *	Description	Examples
[cooperator]		information.	
city (City) [cooperator]		The city where the cooperator is located. Any postal code should be placed in the postal index column.	Baltimore
postal_index (Postal Index) [cooperator]		The postal index for the address.	21093
geography_id (Geography) [cooperator]		The internal geographic identifier to indicate the country and state of the cooperator.	
secondary_organization (Secondary Organization) [cooperator]		The alternate organization or institute name of the cooperator.	
secondary_organization_abbrev (Secondary Organization Code) [cooperator]		The abbreviation, acronym or initials of the organization.	
secondary_address_line1 (Secondary Address Line 1) [cooperator]		The alternate subdivision (Department, Branch, Unit, Division) of the organization if one exists. Otherwise it contains address information (e.g., Street, P.O. Box).	
secondary_address_line2 (Secondary Address Line 2) [cooperator]		A second line of the alternate address for additional information.	
secondary_address_line3 (Secondary Address Line 3) [cooperator]		A third line of the alternate address for additional information.	
secondary_city (Secondary City) [cooperator]		The alternate city where the cooperator is located. Any postal code should be placed in the postal index column.	
secondary_postal_index (Secondary Postal Index) [cooperator]		Secondary Postal Index The alternate postal index for the address.	
primary_phone (Primary Phone) [cooperator]		The voice telephone number for the cooperator.	

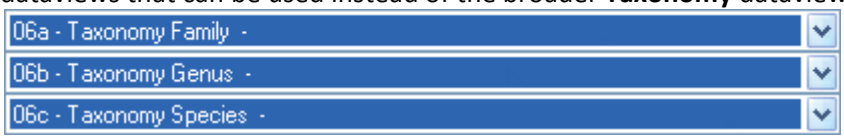
Field (Friendly Name) [Table]	Length/ Attribute *	Description	Examples
secondary_phone (Secondary Phone) [cooperator]		A second voice telephone number for the cooperator.	
fax (Fax) [cooperator]		The FAX number of the cooperator.	
email (Email) [cooperator]		The email addresses of the cooperator.	
secondary_email (Secondary Email) [cooperator]		The alternate email addresses of the cooperator.	
status_code (Status Code) [cooperator]		A field to indicate this record is active/current address for the cooperator. (Note: **Status Code** must be one of the values in the **CodeValue** table under the Group Name **COOPERATOR_STATUS**.)	ACTIVE, DEAD, HISTORICAL, INACTIVE
category_code (Category) [cooperator]		General categories for grouping cooperators by national or international affiliation. It is mainly used for management queries (e.g., annual distribution report). (Note: **Category** must be one of the values in the **CodeValue** table under the Group Name **COOPERATOR_CATEGORY**.)	
organization_region_code (Organization Region Code) [cooperator]		A code for the organizational region (The ARS region where the cooperator is located if in the United States). (Note: **Organization Region Code** must be one of the values in the **CodeValue** table under the Group Name **ORGANIZATION_REGION**.)	BA, HDQ, MWA
discipline_code (Discipline) [cooperator]		The primary scientific discipline or interest of the cooperator. (Note: **Discipline** must be one of the values in the **CodeValue** table under the Group Name **COOPERATOR_ DISCIPLINE**.)	Botany, Horticulture, Nursery
note (Note) [cooperator]		General remarks about the	

Field (Friendly Name) [Table]	Length/ Attribute *	Description	Examples
		cooperator.	
country (Country) [geography]		(Note: **Country** must be one of the values in the **CodeValue** table under the Group Name **GEOGRAPHY_COUNTRY CODE**.)	
adm1 (Administration 1) [geography]		The first administrative division of the geographic location.	Parana, New Brunswick, Durango
adm1_type_code (Administration 1 Type Code) [geography]		(Note: **Administration 1 Type Code** must be one of the values in the **CodeValue** table under the Group Name **GEOGRAPHY_ADMIN1 _TYPE**.)	Atoll, Autonomous oblast
adm2 (Administration 2) [geography]		The second level of the geographic location.	
adm2_type_code (Administration 2 Type Code) [geography]		(Note: **Administration 2 Type Code** must be one of the values in the **CodeValue** table under the Group Name **GEOGRAPHY_ADMIN2 _TYPE**.)	
adm3 (Administration 3) [geography]		The third level of the geographic location.	
adm3_type_code (Administration 3 Type Code) [geography]			
adm4 (Administration 4) [geography]		The fourth level of the geographic location.	
adm4_type_code			

(06) Taxonomy

Fields

The Import Wizard dataview for importing Taxonomy-related data updates fields from three tables: **taxonomy_family, taxonomy_genus,** and **taxonomy_ species.** There are also three Import Wizard dataviews that can be used instead of the broader **Taxonomy** dataview:



The fields imported are:

Field (Friendly Name) [Table]	**Length/ Attribute***	**Description**	**Examples**
suprafamily_rank_code [taxonomy_family]		(Note: **suprafamily_rank_code** must be one of the values in the **CodeValue** table under the Group Name **SUPRAFAMILY_RANK**.)	
suprafamily_rank_name [taxonomy_family]			
family_name (Family Name) [taxonomy_family]			
author_name (Author Name) [taxonomy_family]			
alternate_name (Alternate Name) [taxonomy_family]			
subfamily_name (Subfamily) [taxonomy_family]			
tribe_name (Tribe) [taxonomy_family]			
subtribe_name (Subtribe) [taxonomy_family]			

Field (Friendly Name) [Table]	Length/ Attribute*	Description	Examples
qualifying_code (Qualifying Code) [taxonomy_genus]		(Note: **qualifying_code** must be one of the values in the **CodeValue** table under the Group Name **TAXONOMY_QUALIFIER**.)	
is_hybrid (Is Hybrid?) [taxonomy_ genus]			
genus_name (Genus Name) [taxonomy_ genus]			
genus_name (Genus Name) [taxonomy_ genus]			
subgenus_name (Subgenus Name) [taxonomy_ genus]			
section_name (Section Name) [taxonomy_ genus]			
subsection_name (Subsection Name) [taxonomy_ genus]			
series_name (Series Name) [taxonomy_ genus]			
subseries_name (Subseries Name) [taxonomy_ genus]			
nomen_number (Nomen Number) [taxonomy_species]			
is_specific_hybrid (Interspecific Hybrid?) [taxonomy_species]			
species_name (Species) [taxonomy_species]			

Field (Friendly Name) [Table]	Length/ Attribute*	Description	Examples
species_authority (Species Authority) [taxonomy_species]			
is_subspecific_hybrid (Subspecific Hybrid?) [taxonomy_species]			
subspecies_name (Subspecies) [taxonomy_species]			
subspecies_authority (Subspecies Authority) [taxonomy_species]			
isvarietal_hybrid (Intervarietal hybrid?) [taxonomy_species]			
variety_name (Variety) [taxonomy_species]			
variety_ authority (Variety Authority) [taxonomy_species]			
isubvarietal_hybrid (Subvarietal hybrid?) [taxonomy_species]			
subvariety_name (Subvariety) [taxonomy_species]			
subvariety_ authority (Subvarietal Authority) [taxonomy_species]			
is_forma_hybrid (Forma Hybrid?) [taxonomy_species]			
forma_rank_type (Forma Rank) [taxonomy_species]			
forma_name (Forma Name)			

Field (Friendly Name) [Table]	Length/ Attribute*	Description	Examples
[taxonomy_species]			
forma_authority (Forma Authority) [taxonomy_species]			
restriction_code (Restriction) [taxonomy_species]		(Note: **restriction_code** must be one of the values in the **CodeValue** table under the Group Name **TAXONOMY_RESTRICTION**.)	
life_form_code (Life Form) [taxonomy_species]		(Note: **life_form_code** must be one of the values in the **CodeValue** table under the Group Name **ACCESSION_LIFE_FORM**.)	
common_fertilization_code (Common Fertilization) [taxonomy_species]		(Note: **common_fertilization_code** must be one of the values in the **CodeValue** table under the Group Name **TAXONOMY_FERTILIZATION_METHOD**.)	
is_name_pending (Name Pending?) [taxonomy_species]			
synonym_code (Synonym Code) [taxonomy_species]		(Note: **synonym_code** must be one of the values in the **CodeValue** table under the Group Name **TAXONOMY_QUALIFIER**.)	
name_verified_date (Name Verification Date) [taxonomy_species]			
name (Name) [taxonomy_species]			
name_authority (Name Authority)			

Field (Friendly Name) [Table]	Length/ Attribute*	Description	Examples
[taxonomy_species]			
protologue (Protologue) [taxonomy_species]			
is_alternate_name (Alternate Name) [taxonomy_species]			

(07) Crop Characterization / Evaluation Descriptors (Crop Traits)

Fields

The Import Wizard dataview for importing Characterization and Evaluation Descriptor Codes imports the following fields:

Field (Friendly Name) [Table]	**Length/ Attribute***	**Description**	**Examples****
Name [crop]	20	The crop name.	Wheat, Apple, Rice
Trait Category [crop_trait]	20	A category used to group descriptors. (Note: Category must be one of the values in the **CodeValue** table under the Group Name **DESCRIPTOR_CATEGORY**.)	CHEMICAL, DISEASE, INSECT, MORPHOLOGY
Trait Short Name [crop_trait]	30	The coded name of the trait.	LEAFRUST, POWDERYMIL, SCALD, BARSTRIPE
Trait Title [crop_trait_lang]	500	A more descriptive name of the crop trait (in the user's language).	Leaf Rust, Powdery Mildew, Leaf Scald, Barley Stripe
Trait Description [crop_trait_lang]	max	The description of the crop trait (in the user's language).	The vegetative structures are ranked in the population as 1 for most frequent, 2 for second most frequent, and so on. If two structures are present at the same frequency they are both ranked that way so both RHIZOME and STOLON may be 1.
Is peer reviewed? [crop_trait]	1	A True/False field to indicate whether the crop trait has been peer reviewed and approved.	T/F (True/False) Y/N (Yes / No) 1/0
Data Type [crop_trait]	20	The type of observation data collected. (Note: the type must be one of the values in the **CodeValue** table under the Group Name **CROP_TRAIT_DATA_TYPE**.)	CHAR, LOWER, NUMERIC, UPPER
Is Coded? [crop_trait]	1	A True/False field to indicate whether the trait has, or	Y/N; T/F; 1/0 If it is marked "Coded," then

		doesn't have, associated codes.	there needs to be records in the related **Crop_Trait_Code** table. For example, one of Alfalfa's traits in the GRIN system is ROOTTYPE. This is an "Is Coded" trait. In the **Crop_Trait_Code** table, there are five records, to indicate the scale of root branching ranging from 1 to 5.
Trait Code [crop_trait_code]	30	The alphanumeric code value for the descriptor.	1, FRUIT
Title [crop_trait_code_lang]	500	The text to be displayed for the crop trait code (in the user's language).	(1 = Highest, 9 = Lowest)
Description [crop_trait_code_lang]	max	The description of the crop trait code (in the user's language). – [tbd] intended to be the detailed information (perhaps shown in a tool-tip balloon when the user hovers over the display text in the CT.	(1 = Highest, 9 = Lowest)

*nvarchar, unless specified; length is the allowable number of characters; "max" is the maximum number of characters allowed by the database management tool [tbd – do we need to show any attributes?]

** in the U.S. GRIN system, certain uppercase conventions were used – these are not required however

(08) Methods

Fields

The Import Wizard dataview for importing Methods updates three related tables: **geography**, **method**, and **geography_lang**.

Field (Friendly Name) [Table]	Length/ Attribute*	Description	Examples
country_code (Country) [geography]		The country name code. (Note: the type must be one of the values in the **CodeValue** table under the Group Name **GEOGRAPHY_COUNTRY_CODE** .)	BRA, CAN, MEX, USA
adm1 (Administration 1) [geography]		The first administrative division of the geographic location.	IOWA, OREGON, WISCONSIN
adm1_type_code (Administration 1 Type Code) [geography]		The code indicating the type of the first administrative division for the geographic location. (Note: the type must be one of the values in the **CodeValue** table under the Group Name **GEOGRAPHY_ADMIN1_TYPE**.)	STATE, PROVINCE, TERRITORY
adm2 (Administration 2) [geography]		The second administrative division of the geographic location.	IOWA, OREGON, WISCONSIN
adm2_type_code (Administration 2 Type Code) [geography]		The code indicating the type of the second administrative division for the geographic location. (Note: the type must be one of the values in the **CodeValue** table under the Group Name **GEOGRAPHY_ADMIN1_TYPE**.)	STATE, PROVINCE, TERRITORY
adm3 (Administration 3) [geography]		The third level of the geographic location.	
adm3_type_code (Administration 3 Type Code) [geography]			

Field (Friendly Name) [Table]	Length/ Attribute*	Description	Examples
adm4 (Administration 4) [geography]		The fourth level of the geographic location.	
adm4_type_code (Administration 4 Type Code) [geography]			
note (Note) [geography]			
name (Method Name) [method]		The name describing the method environment and/or procedure.	BARLEY.STRIPERUST.BOLIVIA.95, TRIGONELLA.94.SLINKARD
elevation_meters (Elevation (meters)) [method]		The elevation of the location of the experiment measured in meters.	
latitude (Latitude) [method]		The decimal value of the method site latitude.	
longitude (Longitude) [method]		The decimal value of the method site longitude.	
uncertainty (Uncertainty) [method]		The maximum possible error in the georeferenced location.	
formatted_locality (Formatted Locality) [method]		Locality description recorded in a standard format.	
georeference_datum (Georeference Datum) [method]		The geodetic system upon which the latitude and longitude are based.	
georeference_protocol_code (Georeference Protocol) [method]		A code used to describe how georeferencing was carried out (GPS, Google Earth, BioGeoMancer, GIS, Gazeteer, Maps). (Note: the type must be one of the values in the **CodeValue** table under the Group Name	GIS, GPS, MAO, UNK

Field (Friendly Name) [Table]	Length/ Attribute*	Description	Examples
		GEOREFERENCE_PROTOCOL.)	
georeference_annotation (Georeference Annotation) [method]		The descriptive details of the protocol used to determine the coordinates. For example: if GPS indicate receiver brand, model, mode and uncertainty; if GIS indicate software, version, digital maps used; if google or BioGeoMancer indicate URL.	
materials_and_methods (Material or Method Used) [method]		The description of the materials and methods used in the experiment.	PEA-GENSTOCKS, OKRA.CORE, WILDPEAR.2006
study_reason_code (Study Reason) [method]		A code indicating the reason the study was conducted. (Note: the type must be one of the values in the **CodeValue** table under the Group Name **METHOD_STUDY_TYPE**.)	Fingerprinting (genotyping), Mapping, Phylogenetics
title (Title) geography_lang		This is the text displayed in the dropdowns.	
description (Description) geography_lang		An optional description used to provide additional information about the code's value.	

(09) Accessions

Fields

The Import Wizard dataview for importing Accessions updates three related tables: **geography**, **method**, and **geography_lang**.

Field (Friendly Name)	Length/ Attribute*	Description	Examples

(10) Inventory Maintenance Policy

Fields

The Import Wizard dataview for importing **Inventory Maintenance Policy** records updates one table: **inventory_maint_policy**, and **geography_lang**.

Field (Friendly Name)	Length/ Attribute*	Description	Examples
maintenance_name (Maintenance Name)		A name used to identify a group of inventory samples for maintenance purposes.	CRIT, CRYO, POTATO_HERB, POTATO_SEED
form_type_code (Form Type)		The default form of the inventory for this maintenance policy. (Note: the type must be one of the values in the **CodeValue** table under the Group Name **GERMPLASM_FORM**.)	Budwood, Cutting, DNA, Seed
on_hand_unit_code (Unit of Quantity On Hand)		The default units used for the quantity-on-hand. (Note: the type must be one of the values in the **CodeValue** table under the Group Name **UNIT_OF_QUANTITY**.)	Counts, Cuttings, Grams, Packets
web_availability_note (Web Availability Note)		A maintenance policy comment that can be shown on the Public Website.	
is_auto_deducted (Is Auto Deducted?)		A "flag" field to indicate if automatic deduction is used for inventories linked to this maintenance policy.	Y/N
distribution_default_form_code (Distribution Default Form)		The default distribution form of germplasm normally distributed for this group. (Note: the type must be one of the values in the **CodeValue** table under the Group Name **GERMPLASM_FORM**.)	BD, CT, SD, TU
distribution_default_quantity (Standard Distribution Quantity)		The default quantity of germplasm normally distributed for this group.	1, 3, 100
distribution_unit_code (Unit of Distribution)		The default units of germplasm by which orders are filled for this group. Checked and verified by the code table.	Grams, Kilograms, Cuttings, Count

Field (Friendly Name)	Length/ Attribute*	Description	Examples
distribution_critical_quantity (Distribution Critical Amount)		The default number of germplasm units necessary for distribution. A number less than this critical distribution value shows that distributions should not be allowed.	20, 50, 100
replenishment_critical_quantity (Replenishment Critical Amount)		The default number of germplasm units necessary for replenishment. A number less than this critical replenishment value shows the need to increase the inventory sample.	20, 50, 100
regeneration_method_code (Regeneration Method)		The regeneration method used for this maintenance policy. (Note: the type must be one of the values in the **CodeValue** table under the Group Name **REGENERATION_METHOD**.)	GRAFT, HAND, INSECT, SELF-POLLINATED
note (Note)		General remarks about the inventory maintenance policy.	Material must be dug from plots in Byron, Georgia.

(11) Inventory

Fields

The Import Wizard dataview for importing Inventory updates three related tables: **inventory**, **accession,** and **inventory_maintenance_policy.** The fields are:

Field (Friendly Name) [Table]	**Length/ Attribute***	**Description**	**Examples**
inventory _prefix (inventory_prefix) [inventory]			
inventory _number (inventory_ number) [inventory]			
inventory _suffix (inventory_ suffix) [inventory]			
form_type_code (Form Type) [inventory]			
is_distributable (Is Distributable?) [inventory]			
accession_prefix (accession _prefix) [accession]			
accession _number (accession _ number) [accession]			
accession _suffix (accession _ suffix) [accession]			
maintenance_name (Maintenance Name) [inventory_maint_policy]			

(12) Observations (Character & Evaluation Descriptors)

Fields