# GRIN-Global “Data Dictionary”

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**Comments/Suggestions:**
Please contact feedback@grin-global.org with any suggestions or questions related to this document.

# Contents




The tables and dataviews referred to in this document are not the only GRIN-Global tables and dataviews, but are the ones of primary interest to users who will be inputting and viewing the GRIN-Global germplasm data. A separate dictionary document is available for administrators who may need to refer to system-related tables or dataviews. Generally, tables and dataviews prefixed with “sys_” or “app_” are system related.

## Naming Conventions

Since many GRIN-Global users may not be familiar with GRIN conventions or whose native language is not English, the following rules were followed as closely as possible when naming tables and fields:

- Table and field names use full words instead of abbreviations whenever possible
- Tables that are related logically usually begin with the same word. e.g. accession, accession_name, accession_action, etc.
  - Accession-related tables (accession_*)
  - Inventory-related tables (inventory_*)
  - Order-related tables (order_request_*)
  - Taxonomy-related tables (taxonomy_*)
  - Crop-related tables (crop_*)
  - Citation-related tables (citation_*)
  - Web-related tables (web_*)
  - System tables (sec_* and app_*)
  - Miscellaneous remaining tables (method*, code_*, etc)
- Prefixes and/or suffixes are applied to field names to logically categorize fields with similar functionality: “is_”, “_id”, “_code”, “_date”, etc.

### Auditability

All auditable tables in GRIN-Global contain fields explicitly for auditing purposes:

- Who created the record (created_by) and when (created_date)
- Who last modified the record (modified_by) and when (modified_date)
- Who currently owns the record (owned_by) and when they received ownership (owned_date)

These fields are auto-populated by the Middle Tier when data is being saved. The user cannot override the values in these fields. Auditing applies to the cooperator record of the user who manipulated the data, that is, the **created_by**, **modified_by**, and **owned_by** fields contain cooperator_id values.

Generally, the owner of a record is the same UserID who created the record. However, this is not always true. {More information on ownership can be found in the Curator Tool Users Guide under "Ownership.") The exceptions are:

- Ownership has been transferred since the record was initially created. This is possible only through an explicit transfer of ownership process.

- A record exists in sys_table_relationship that defines an "ownership" relationship with a parent table. The "owner" of the newly created record will be assigned the same value as the **owned_by** field value in the parent table record. For example, an accession_action record will be marked as being owned by the owner of the accession, not the creator of the accession_action record itself.

## Multilingual

GRIN-Global supports displaying data in multiple languages for system-level data. That is, if the system requires text to be displayed that is not actual GRIN-Global data, that text should be in the appropriate language for the current user. This is accomplished by using a table ending with "_lang" as a child table. GRIN-Global ships with the following language tables:

- code_value_lang
- crop_trait_code_lang
- sys_lang
- sys_dataview_field_lang
- sys_dataview_lang
- sys_file_lang
- sys_group_lang
- sys_permissions_lang
- sys_table_field_lang
- sys_database_migration_lang

## Generating a List of the GRIN-Global Schema Tables & Fields

To download the entire GRIN-Global schema into a spreadsheet, directions for doing so are in the GRIN-Global Admin Tool Guide.

## Tables & Field Definitions

The following pages are a copy of the online version of the GRIN-Global data dictionary. To view the current version of the google doc, please click this link.

## Data Dictionary Column Headings

### Table

The table in the GRIN-Global database.

### Field Name

The actual field name in the GRIN-Global database.

### GRIN Field Name

The equivalent field name as used in the GRIN database.

*Notation*

* GRIN-Global field, not in GRIN

** All auditable tables in GRIN-Global contain fields used explicitly for auditing purposes: Who created the record (created_by) and when (created_date); Who last modified the record (modified_by) and when (modified_date); Who currently owns the record (owned_by) and when they received ownership (owned_date)

### Display Name (English Friendly Name)

The column names displayed by the dataviews

## Data Types

| Data Type | Description |
|---|---|
| datetime2 | A datetime data type that can handle time in nanoseconds and has a year range extending from the year "0001" to "9999." |
| decimal | The decimal data type can store a maximum of 38 digits, all of which can be to the right of the decimal point. The decimal data type stores an exact representation of the number; there is no approximation of the stored value. |
| int | The integer data type is stored as a 4-byte integer; numeric values can range from -2^$^{31}$ through 2^$^{31-1}$. |
| nvarchar | An nvarchar field can store a string of text characters (maximum 4,000). The "n" in nvarchar means u*N*icode. varchar is an abbreviation for variable-length character string. Essentially, nvarchar is variable text field that supports two-byte characters, therefore capable of handling non-English symbols. |

## Nullable

In database management, a field that is allowed to have no values is called nullable.

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| accession | Table of information assigned to the accession when the accession is initially entered into the system. | | | | | | |
| accession | accession_id | acid | Accession ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| accession | accession_number_part1 | acp | Accession Prefix | The first of the 3-part record identifier. Example: VIR 123456. The three accession_number_ parts, when combined, must be unique. | nvarchar | NO | |
| accession | accession_number_part2 | acno | Accession Number | The second part of the 3-part unique identifier. Example: 123456 | int | YES | |
| accession | accession_number_part3 | acs | Accession Suffix | The third part of the 3-part accession identifier. Examples: A, 01, SEED | nvarchar | YES | |
| accession | is_core | core | Is Core? | A TRUE/FALSE flag indicating that the accession is part of a "core" subset. The core is typically a subset of the entire collection (around 10%) encompassing approximately 90% of the entire collection's genetic diversity. Most crops with large numbers of accessions have them. Usually developed by considering representative species, country of origin, and observation data (when available). The core subset is dynamic – it changes overtime as new data and accessions become available. | nvarchar | NO | |
| accession | is_backed_up | backup | Is Backed Up? | A TRUE/FALSE flag; indicates the accession is backed up at an alternate germplasm location(s). | nvarchar | NO | |
| accession | backup_location1_site_id | *[1] | Backup Location | The name or code of the first institute where a safety duplicate of the accession is maintained. | int | YES | |
| accession | backup_location2_site_id | * | Backup Location 2 | The name or code of the second institute where a safety duplicate of the accession is maintained. | int | YES | |
| accession | status_code | | Accession Status | The status of the accession.Must be one of the values for the Code Group ACCESSION_STATUS in the Code Value table. Example: INACTIVE. | nvarchar | YES | ACCESSION_STATUS |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| accession | life_form_code | lifeform | Life Form | The basic life form of the accession. Must be one of the values for the Code Group ACCESSION_LIFE_FORM in the Code Value table. Examples: ANNUAL, BIENNIAL, PERENNIAL, SHRUB, TREE. | nvarchar | YES | ACCESSION_LIFE_FORM |
| accession | improvement_status_code | acimpt | Level Of Improvement | The biological status of the accession. Must be one of the values for the Code Group IMPROVEMENT_LEVEL in the Code Value table. Examples: WILD, LANDRACE, CULTIVAR. | nvarchar | YES | IMPROVEMENT_LEVEL |
| accession | reproductive_uniformity_c | uniform | Reproductive Uniformity | The breeding system used to produce the accession. This is primarily applied to cultivated and breeding material. Must be one of the values for the Code Group REPRODUCTIVE_UNIFORMITY in the Code Value table. Examples: HYBRID, INBRED, MIXTURE, PURELINE. | nvarchar | YES | REPRODUCTIVE_UNIFORMITY |
| accession | initial_received_form_cod | acform | Initial Material Type | The type of propagule first received by the germplasm location. Must be one of the values for the Code Group GERMPLASM_FORM in the Code Value table. Examples: BD, BL, CA, CL. | nvarchar | YES | |
| accession | initial_received_date | received | Initial Received Date | The date on which the accession entered the national germplasm collection. This may be different from the date a particular site receives the accession, since the material may have been moved internally within the national system. | datetime | YES | |
| accession | initial_received_date_cod | datefmt | Initial Received Date Format | The format used for the accession initial received date. Must be one of the values for the Code Group DATE_FORMAT in the Code Value table. Examples: MM/DD/YYYY, MM/YYYY, PRE YYYY. | nvarchar | YES | DATE_FORMAT |
| accession | taxonomy_species_id | taxno | Species | The internal species identifier which indicates the taxonomy of the accession. | int | NO | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| accession | note | | Note | General remarks about the accession. | nvarchar | YES | |
| accession | created_date[2] | ** | Created Date | The date the record was initially inserted into the database. Supplied by GRIN-Global; cannot be edited. | datetime | NO | |
| accession | created_by | ** | Created By | The cooperator_id of the person who created the record. | int | NO | |
| accession | modified_date | ** | Modified Date | The date the record was last updated. Supplied by GRIN-Global; cannot be edited. | datetime | YES | |
| accession | modified_by | ** | Modified By | The cooperator_id of the person who modified the record. | int | YES | |
| accession | owned_date | ** | Owned Date | The date the record was owned buy a user. | datetime | NO | |
| accession | owned_by | ** | Owned By | The cooperator_id of the person who owns the record. | int | NO | |
| | | | | | | | |
| accession_actio | Table of actions performed on an accession. Examples: HARVESTED, INACTIVATED, INCREASED, TRANSFERRED | | | | | | |
| accession_actio | accession_action_id | aactno | Accession Action ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| accession_actio | accession_id | acid | Accession ID | The accession key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the accession table. | int | NO | |
| accession_actio | action_name_code | action | Action Name | The type of action taken on the accession. Must be one of the values for the Code Group ACCESSION_ACTION in the Code Value table. Examples: INACTIVATED, REVIEWED LATITUDE/LONGITUDE DATA, SVALBARD BACKUP. | nvarchar | NO | ACCESSION_ACTION |
| accession_actio | started_date | occurred | Started Count | The date the action was started. | datetime | YES | |
| accession_actio | started_date_code | fmtoccurre | Started Date Format | The format of the started date. Must be one of the values for the Code Group DATE_FORMAT in the Code Value table. Examples: MM/DD/YYYY, MM/YYYY, PRE YYYY. | nvarchar | YES | DATE_FORMAT |
| accession_actio | completed_date | completec | Completed date | The date the action was completed. | datetime | YES | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| accession_actio | completed_date_code | fmtcomple | Completed Date Format | The format of the completed date. Must be one of the values for the Code Group DATE_FORMAT in the Code Value table. Examples: MM/DD/YYYY, MM/YYYY, PRE YYYY. | nvarchar | YES | DATE_FORMAT |
| accession_actio | is_web_visible | showweb | Visible From Web? | A TRUE/FALSE flag indicating if this action should be displayed to public website users. | nvarchar | NO | |
| accession_actio | note | narr | Action Note | General Remarks about the accession. | nvarchar | YES | |
| accession_actio | cooperator_id | cno | Cooperator | The cooperator key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the cooperator table. | int | YES | |
| accession_actio | method_id | eno | Method ID | The method key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the method table. | int | YES | |
| accession_actio | created_date | ** | Created Date | | datetime | NO | |
| accession_actio | created_by | ** | Created By | | int | NO | |
| accession_actio | modified_date | ** | Modified Date | | datetime | YES | |
| accession_actio | modified_by | ** | Modified By | | int | YES | |
| accession_actio | owned_date | ** | Owned Date | | datetime | NO | |
| accession_actio | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| accession_anno | Table of annotations (verifications, official taxonomic name changes, reidentifications and received as) on the taxonomic names or other related information for each accession. | | | | | | |
| accession_anno | accession_annotation_id | alno | Accession Annotation ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| accession_anno | annotation_type_code | action | Annotation Name | The type of annotation. Must be one of the values for the Code Group ANNOTATION_TYPE in the Code Value table. Examples: RE-INDENT, ID-CHECK, RECEIVED, NOM-CHANGED. NOM-CHANGED – used when the species has changed taxonomically. ID-CHECK used when someone has verified the nomenclature and wants to make a record of it. RE-IDENT: used when material comes in from a collection trip as one species (or even taxon) and when grown out the curator realizes it is something else. RECEIVED-AS: a record of what the accession was received as. | nvarchar | NO | ANNOTATION_TYPE |
| accession_anno | annotation_date | acted | Annotation Date | The date of the annotation reidentification or verification. | datetime | NO | |
| accession_anno | annotation_date_code | | Annotation Date Format | The format used for the voucher date. Must be one of the values for the Code Group DATE_FORMAT in the Code Value table. Examples: MM/DD/YYYY, MM/YYYY, PRE YYYY. | nvarchar | YES | DATE_FORMAT |
| accession_anno | annotation_cooperator_id | cno | Reidentification Cooperator | The cooperator key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the cooperator table. | int | YES | |
| accession_anno | inventory_id | ivid | Inventory | The inventory key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the inventory table. | int | NO | |
| accession_anno | order_request_id | orno | Order Request | The order request key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the order request table. | int | YES | |
| accession_anno | old_taxonomy_species_id | oldtaxno | Old Taxonomy | The taxonomy species key field of the new taxonomy (internal identifier generated by GRIN-Global, cannot be edited) - links to the taxonomy species table. | int | YES | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| accession_anno | new_taxonomy_species_i | newtaxno | New Taxonomy | The internal species identifier of the new correct taxonomic name which relates to the full taxon. | int | YES | |
| accession_anno | note | cmt | Note | General remarks about the annotation verification or reidentification. | nvarchar | YES | |
| accession_anno | created_date | ** | Created Date | | datetime | NO | |
| accession_anno | created_by | ** | Created By | | int | NO | |
| accession_anno | modified_date | ** | Modified Date | | datetime | YES | |
| accession_anno | modified_by | ** | Modified By | | int | YES | |
| accession_anno | owned_date | ** | Owned Date | | datetime | NO | |
| accession_anno | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| accession_ipr | Table of the intellectual property rights known for an accession. One accession can have several IPR records since they can be covered by several IPRs. | | | | | | |
| accession_ipr | accession_ipr_id | | Accession IPR ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| accession_ipr | accession_id | acid | Accession ID | The accession key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the accession table. | int | NO | |
| accession_ipr | type_code | iprtype | Type Code | The type of intellectual property rights associated with the accession. Each accession can have several types of protection at the same time. Must be one of the values for the Code Group ACCESSION_RESTRICTION_TYPE in the Code Value table. Examples: CSR (Crop Science Registration), FOREIGN, MTA-CIAT, MTA-CIMMYT. | nvarchar | NO | ACCESSION_RESTRICTION_TYPE |
| accession_ipr | ipr_number | iprno | IPR Number | A numeric identifier for the IPR. | nvarchar | YES | |
| accession_ipr | ipr_crop_name | iprcrop | IPR Crop Name | The crop name for the accession the IPR is associated with. Examples: Wheat, Soybean. | nvarchar | YES | |
| accession_ipr | ipr_full_name | iprname | IPR Full Name | The name of the patent or property right listed on the IPR document. This is generally used with utility and plant patents, where the material patented is not a simple plant name. | nvarchar | YES | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| accession_ipr | issued_date | issued | Issued Date | The date the intellectual property rights were issued. Date of Publication in Journal (Crop Science Registration - CSR) or Date of Protection (PVPO) or Date Granted (Utility or other Patent). Pending patents will have no Issued Date. | datetime | YES | |
| accession_ipr | expired_date | expired | Expired Date | The date the intellectual property right or protection expired or was removed. The germplasm is available for distribution as long as no other form of protection applies. | datetime | YES | |
| accession_ipr | cooperator_id | cno | Cooperator | The cooperator key field indicating who assigned the IPR (internal identifier generated by GRIN-Global, cannot be edited) - links to the cooperator table. | int | YES | |
| accession_ipr | note | cmt | Note | General remarks about the intellectual property protection. | nvarchar | YES | |
| accession_ipr | accepted_date | accepted | Accepted Date | The date the registration number was assigned to a Crop Science Registration (CSR) accession and the date the manuscript was officially accepted for publication. | datetime | YES | |
| accession_ipr | expected_date | expected | Expected Date | A future Expired Date, to track the future date of expiration. This was created as a result of some CSR germplasm having protection on a gene, (for example) and having restricted distribution for a period beyond the 5 year CSR registration. | datetime | YES | |
| accession_ipr | created_date | ** | Created Date | | datetime | NO | |
| accession_ipr | created_by | ** | Created By | | int | NO | |
| accession_ipr | modified_date | ** | Modified Date | | datetime | YES | |
| accession_ipr | modified_by | ** | Modified By | | int | YES | |
| accession_ipr | owned_date | ** | Owned Date | | datetime | NO | |
| accession_ipr | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| accession_name | Table of all plant names and secondary or alternate identifiers. These identifiers represent cultivar names, institute identifiers, collector numbers, breeder lines, etc. The plant name with the lowest number is displayed in the Accession dataview. | | | | | | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| accession_name | accession_name_id | anno | Accession Name ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| accession_name | accession_id | acid | Accession ID | The accession key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the accession table. | int | NO | |
| accession_name | category_code | idtype | Category | The type of accession name. Must be one of the values for the Code Group ACCESSION_NAME_TYPE in the Code Value table. Examples: CULTIVAR, LOCALNAME, INSTITUTE ID, COLLECTOR ID. | nvarchar | NO | ACCESSION_NAME_TYPE |
| accession_name | plant_name | plantid | Plant Name | Any name or identifier other than the primary accession identifier. | nvarchar | NO | |
| accession_name | plant_name_rank | idrank | Name Rank | A number assigned to the plant name to indicate the relative importance of the name. Lower numbers are more important; the lowest number denotes which name will be displayed in the Accession dataview. | int | NO | |
| accession_name | name_group_id | | Name Group | The internal identifier of the name to group alternate identifiers for the accession. Supplied by GRIN-Global; cannot be edited. Relates to the actual name_group. | int | YES | |
| accession_name | name_source_cooperator | cno | Cooperator | The internal cooperator identifier of the person responsible for assigning the alternate name. Relates to the full cooperator record. | int | YES | |
| accession_name | note | cmt | Note | General remarks about the accession name. | nvarchar | YES | |
| accession_name | created_date | ** | Created Date | | datetime | NO | |
| accession_name | created_by | ** | Created By | | int | NO | |
| accession_name | modified_date | ** | Modified Date | | datetime | YES | |
| accession_name | modified_by | ** | Modified By | | int | YES | |
| accession_name | owned_date | ** | Owned Date | | datetime | NO | |
| accession_name | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| accession_pedig | Table of information on the pedigree. Although standards are not used for pedigrees, individual entries should be clear and consistent throughout each crop. | | | | | | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| accession_pedig | accession_pedigree_id | | Accession Pedigree ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| accession_pedig | accession_id | acid | Accession ID | The accession key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the accession table. | int | NO | |
| accession_pedig | released_date | released | Released Date | The date the cultivar/selection/line was released. | datetime | YES | |
| accession_pedig | released_date_code | datefmt | Released Date Format | The format used for the voucher date. Must be one of the values for the Code Group DATE_FORMAT in the Code Value table. Examples: MM/DD/YYYY, MM/YYYY, PRE YYYY. | nvarchar | YES | DATE_FORMAT |
| accession_pedig | male_accession_id | * | Male Accession | The internal accession Identifier of the male parent which relates to the full accession identifier. | int | YES | |
| accession_pedig | male_external_accession | * | External Male Accession | The identifier of the male parent when the accession is not part of the national collection. | nvarchar | YES | |
| accession_pedig | female_accession_id | * | Female Accession | The internal accession Identifier of the female parent which relates to the full accession identifier. | int | YES | |
| accession_pedig | female_external_accessic | * | External Female Accession | The identifier of the female parent when it is not part of the national collection. | nvarchar | YES | |
| accession_pedig | cross_code | * | Cross Method | The code indicating the type of cross used for breeding the accession. Must be one of the values for the Code Group PEDIGREE_CROSS in the Code Value table. Examples: SELF, OPEN, INBRED, GRAFT. | nvarchar | YES | PEDIGREE_CROSS |
| accession_pedig | description | pedigree | Pedigree | The pedigree or parentage of a cultivated or improved accession. Pedigrees can be entered in a formal manner when available or more loosely. | nvarchar | YES | |
| accession_pedig | created_date | ** | Created Date | | datetime | NO | |
| accession_pedig | created_by | ** | Created By | | int | NO | |
| accession_pedig | modified_date | ** | Modified Date | | datetime | YES | |
| accession_pedig | modified_by | ** | Modified By | | int | YES | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| accession_pedig | owned_date | ** | Owned Date | | datetime | NO | |
| accession_pedig | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| | | | | | | | |
| accession_quara | Table of information about an accession in quarantine. Each accession can be restricted by several types of quarantine, but each accession can have only one occurrence of a particular type of quarantine. | | | | | | |
| accession_quara | accession_quarantine_id | | Accession Quarantine Id | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| accession_quara | accession_id | acid | Accession ID | The accession key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the accession table. | int | NO | |
| accession_quara | quarantine_type_code | qtype | Quarantine Type | The type of quarantine applied to the accession. Must be one of the values for the Code Group ACCESSION_QUARANTINE_TYPE in the Code Value table. Examples: INTERNATIONAL, POST-ENTRY, STATE. | nvarchar | NO | ACCESSION_QUARANTINE_TYPE |
| accession_quara | progress_status_code | status | Progress Status | The status of the accession as it proceeds through quarantine. Must be one of the values for the Code Group ACCESSION_QUARANTINE_STATUS in the Code Value table. Examples: RELEASED, PROVISIONAL RELEASE, TERMINATED/FAILED. | nvarchar | YES | ACCESSION_QUARANTINE_STATUS |
| accession_quara | custodial_cooperator_id | cno | Quarantining Cooperator | The internal cooperator identifier for the person responsible for the quarantine process of the accession. Relates to the full cooperator name. | int | NO | |
| accession_quara | entered_date | entered | Entered Date | The date the accession was entered into the quarantine program. | datetime | YES | |
| accession_quara | established_date | establish | Established Date | The date the accession was established at the quarantine location and is ready for observation and testing. | datetime | YES | |
| accession_quara | expected_release_date | expected | Expected Release Date | The date that quarantine testing is expected to be completed and the accession is released to an active collection. | datetime | YES | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| accession_quara | released_date | released | Released Date | The date the accession completed quarantine requirements and was released to an active collection. | datetime | YES | |
| accession_quara | note | cmt | Note | General remarks about the quarantine status. | nvarchar | YES | |
| accession_quara | created_date | ** | Created Date | | datetime | NO | |
| accession_quara | created_by | ** | Created By | | int | NO | |
| accession_quara | modified_date | ** | Modified Date | | datetime | YES | |
| accession_quara | modified_by | ** | Modified By | | int | YES | |
| accession_quara | owned_date | ** | Owned Date | | datetime | NO | |
| accession_quara | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| accession_sourc | Table containing the source history detail records of an accession. Each step taken before the accession is incorporated into the institute can be tracked. | | | | | | |
| accession_sourc | accession_source_id | srcno | Accession Source ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| accession_sourc | accession_id | acid | Accession ID | The accession key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the accession table. | int | NO | |
| accession_sourc | geography_id | geono | Geography | The geography key field showing where the accession was collected, developed or donated (internal identifier generated by GRIN-Global, cannot be edited) - links to the geography table. | int | YES | |
| accession_sourc | acquisition_source_code | | Collecting or Acquisition Source | The collecting or acquisition source. Must be one of the values for the Code Group ACCESSION_SOURCE_HABITAT_TY in the Code Value table. Examples: ACT, MKT, RES, STR, UNK. | nvarchar | YES | ACCESSION_SOURCE_HABITAT_TYP |
| accession_sourc | source_type_code | srctype | Source Type | The type of source for the collection. Must be one of the values for the Code Group ACCESSION_SOURCE_TYPE in the Code Value table. Examples: COLLECTED, DEVELOPED, DONATED. | nvarchar | NO | ACCESSION_SOURCE_TYPE |
| accession_sourc | source_date | srcdate | Source Date | The date the source event occurred. | datetime | YES | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| accession_sourc | source_date_code | datefmt | Source Date Format | The format of the completed date. Must be one of the values for the Code Group DATE_FORMAT in the Code Value table. Examples: MM/DD/YYYY, MM/YYYY, PRE YYYY. | nvarchar | YES | DATE_FORMAT |
| accession_sourc | is_origin | origin | Origin? | A TRUE/FALSE flag to show which step in the source history is the most important and considered the origin. | nvarchar | NO | |
| accession_sourc | quantity_collected | quant | Quantity Collected | The quantity of material collected. | int | YES | |
| accession_sourc | unit_quantity_collected_c | units | Unit Quantity Collected | Units of the quantity collected. Must be one of the values for the Code Group UNIT_OF_QUANTITY in the Code Value table. Examples: ct (count), gm (gram), pk (pack). | nvarchar | YES | UNIT_OF_QUANTITY |
| accession_sourc | collected_form_code | cform | Collected Form | The form of the material collected. Must be one of the values for the Code Group GERMPLASM_FORM in the Code Value table. Examples: BD, BL, CA, RT, and SD. | nvarchar | YES | GERMPLASM_FORM |
| accession_sourc | number_plants_sampled | plants | Number Plants Sampled | The number of plants sampled to obtain quantity collected. | int | YES | |
| accession_sourc | elevation_meters | elev | Elevation Meters | The elevation of the collection site in meters. | int | YES | |
| accession_sourc | collector_verbatim_locality | locality | Collector Verbatim Locality | Locality transcribed verbatim from collector passport data. | nvarchar | YES | |
| accession_sourc | latitude | latitude | Latitude | The decimal value of the collection site latitude (format is 10 integers and 8 decimals). | decimal | YES | |
| accession_sourc | longitude | longitude | Longitude | The decimal value of the collection site longitude (format is 10 integers and 8 decimals). | decimal | YES | |
| accession_sourc | uncertainty | | Uncertainty | The maximum possible error in the georeferenced location. | int | YES | |
| accession_sourc | formatted_locality | | Formatted Locality | Locality description recorded in a standard format. | nvarchar | YES | |
| accession_sourc | georeference_datum | datum | Georeference Datum | The geodetic system upon which the latitude and longitude are based. | nvarchar | YES | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| accession_sourc | georeference_protocol_cc | gctype | Georeference Protocol | A code used to describe how georeferencing was carried out. Must be one of the values for the Code Group GEOREFERENCE_PROTOCOL in the Code Value table. Examples: GPS, GOOGLE EARTH, BIOGEOMANCER, GIS, GAZETEER, MAPS. | nvarchar | YES | GEOREFERENCE_PROTOCOL |
| accession_sourc | georeference_annotation | | Georeference Annotation | 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. | nvarchar | YES | |
| accession_sourc | environment_description | habitat | Environment Description | The description of the biological and physical environment of the locality. | nvarchar | YES | |
| accession_sourc | note | cmt | Note | General remarks about the accession source. | nvarchar | YES | |
| accession_sourc | created_date | ** | Created Date | | datetime | NO | |
| accession_sourc | created_by | ** | Created By | | int | NO | |
| accession_sourc | modified_date | ** | Modified Date | | datetime | YES | |
| accession_sourc | modified_by | ** | Modified By | | int | YES | |
| accession_sourc | owned_date | ** | Owned Date | | datetime | NO | |
| accession_sourc | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| accession_sourc | Table of the cooperator(s) who participated in a source history event. | | | | | | |
| accession_sourc | accession_source_map_i | * | Accession Source Map ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| accession_sourc | accession_source_id | srcno | Accession Source | The accession source key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the accession source table. | int | NO | |
| accession_sourc | cooperator_id | cno | Cooperator | The cooperator key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the cooperator table. | int | NO | |
| accession_sourc | created_date | ** | Created Date | | datetime | NO | |
| accession_sourc | created_by | ** | Created By | | int | NO | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| accession_sourc | modified_date | ** | Modified Date | | datetime | YES | |
| accession_sourc | modified_by | ** | Modified By | | int | YES | |
| accession_sourc | owned_date | ** | Owned Date | | datetime | NO | |
| accession_sourc | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| accession_vouc | Table of herbarium vouchers for accessions or inventory samples. (A herbarium is a collection of plant specimens (vouchers) which is arranged systematically…) | | | | | | |
| accession_vouc | accession_voucher_id | vno | Voucher ID | The accession voucher key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the accession voucher table. | int | NO | |
| accession_vouc | inventory_id | ivid | Inventory ID | The inventory key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the inventory table. | int | YES | |
| accession_vouc | collector_cooperator_id | cno | Voucher Cooperator | The cooperator key field indicating the individual collecting the voucher (internal identifier generated by GRIN-Global, cannot be edited) - links to the cooperator table. | int | YES | |
| accession_vouc | collector_voucher_numbe | collid | Collector Voucher Number | The voucher identifier assigned by the collector. | nvarchar | YES | |
| accession_vouc | voucher_location | vloc | Voucher Location | The location(s) where the herbarium voucher is stored. | nvarchar | NO | |
| accession_vouc | vouchered_date | voucherec | Vouchered date | The date the herbarium voucher was collected. | datetime | YES | |
| accession_vouc | vouchered_date_code | datefmt | Vouchered date Format | The format of the completed date. Must be one of the values for the Code Group DATE_FORMAT in the Code Value table. Examples: MM/DD/YYYY, MM/YYYY, PRE YYYY. | nvarchar | YES | DATE_FORMAT |
| accession_vouc | note | cmt | Note | General remarks about the voucher. | nvarchar | YES | |
| accession_vouc | created_date | ** | Created Date | | datetime | NO | |
| accession_vouc | created_by | ** | Created By | | int | NO | |
| accession_vouc | modified_date | ** | Modified Date | | datetime | YES | |
| accession_vouc | modified_by | ** | Modified By | | int | YES | |
| accession_vouc | owned_date | ** | Owned Date | | datetime | NO | |
| accession_vouc | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| citation | Table of valid books and journals used in literature citations for genera, taxa, accessions, evaluations, etc. in the database. The abbreviations used should follow recognized standards either from the library field or from taxonomy. | | | | | | |
| citation | | | | | | | |
| citation | citation_id | * | Citation Id | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| citation | literature_id | * | Literature Abbreviation ID | Foreign key field links to the literature table. | int | YES | |
| citation | citation_title | * | Title | The title of the article or chapter of the citation. | nvarchar | YES | |
| citation | author_name | * | Author Name | The author(s) of the article or chapter of the citation. Examples R. R. Kalton, P.E. Lake. | nvarchar | YES | |
| citation | citation_year | * | Citation Year | The year the citation was published or made available. | int | YES | |
| citation | reference | * | Reference | The citation reference (volume, page, etc.) within the journal or book. | nvarchar | YES | |
| citation | doi_reference | * | DOI Reference | The reference to the Digital Object Identifier (DOI) name, a standard naming system used for identifying content objects in the digital environment. | nvarchar | YES | |
| citation | url | * | URL | The URL which serves as a link to the actual journal article or book. | nvarchar | YES | |
| citation | title | * | Title | The title of the citation article or chapter. | nvarchar | YES | |
| citation | description | * | Description | A description of the citation. | nvarchar | YES | |
| citation | note | * | Citation Note | General remarks about the citation. | nvarchar | YES | |
| citation | created_date | ** | Created Date | | datetime | NO | |
| citation | created_by | ** | Created By | | int | NO | |
| citation | modified_date | ** | Modified Date | | datetime | YES | |
| citation | modified_by | ** | Modified By | | int | YES | |
| citation | owned_date | ** | Owned Date | | datetime | NO | |
| citation | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| | | | | | | | |
| citation_map | Table that links citations to other tables in the database (Accession, Method, Taxonomy_Family, Taxonomy_Genus, Taxonomy_Species. | | | | | | |
| citation_map | | | | | | | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| citation_map | citation_map_id | * | Citation Map ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| citation_map | citation_id | citno | Citation Id | The citation key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the citation table. | int | NO | |
| citation_map | accession_id | acid | Accession ID | The accession key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the accession table. | int | YES | |
| citation_map | method_id | eno | Method ID | The method key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the method table. | int | YES | |
| citation_map | taxonomy_species_id | taxno | Species ID | The species key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the taxonomy species table. | int | YES | |
| citation_map | taxonomy_genus_id | gno | Genus ID | The genus key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the taxonomy genus table. | int | YES | |
| citation_map | taxonomy_family_id | famno | Family ID | The family key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the taxonomy family table. | int | YES | |
| citation_map | accession_ipr_id | * | Intellectual Property Rights ID | The accession intellectual property rights key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the accession ipr table. | int | YES | |
| citation_map | accession_pedigree_id | * | Pedigree ID | The accession pedigree key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the accession pedigree table. | int | YES | |
| citation_map | genetic_marker_id | gobno | Genetic Marker ID | The genetic marker key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the genetic marker table. | int | YES | |
| citation_map | taxonomy_common_nam | * | Common Name ID | The taxonomy common name key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the taxonomy common name table. | int | YES | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| citation_map | taxonomy_use_id | * | Taxonomy Use ID | The taxonomy use key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the taxonomy use table. | int | YES | |
| citation_map | type_code | * | Type Code | Must be one of the values for the Code Group Citation_Type in the Code Value table. Examples: FOOD, CPC, PESTICIDE, WEED. | nvarchar | YES | x |
| citation_map | created_date | ** | Created Date | | datetime | NO | |
| citation_map | created_by | ** | Created By | | int | NO | |
| citation_map | modified_date | ** | Modified Date | | datetime | YES | |
| citation_map | modified_by | ** | Modified By | | int | YES | |
| citation_map | owned_date | ** | Owned Date | | datetime | NO | |
| citation_map | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| code_value | Table that containes the code_values and their definitions for GRIN-Global. | | | | | | |
| code_value | code_value_id | code_no | Code Value ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| code_value | group_name | column_n | Group Name | The group name of a certain set of codes. Example: Improvement Status. | nvarchar | NO | |
| code_value | value | code | Value Member | The actual code value used in fields that contain codes. | nvarchar | NO | |
| code_value | created_date | ** | Created Date | | datetime | NO | |
| code_value | created_by | ** | Created By | | int | NO | |
| code_value | modified_date | ** | Modified Date | | datetime | YES | |
| code_value | modified_by | ** | Modified By | | int | YES | |
| code_value | owned_date | ** | Owned Date | | datetime | NO | |
| code_value | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| code_value_lang | Table that maintains the language translations for the code_value. | | | | | | |
| code_value_lang | code_value_lang_id | * | Code Value Language ID | The code value language key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the code value language table. | int | NO | |
| code_value_lang | code_value_id | * | Code Value | The code value key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the code value table. | int | NO | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| code_value_lang | sys_lang_id | * | Language | The internal system language identifier which serves as a link to the system language table indicating the actual language used (1 = English, 2 = Spanish, 3 = French, 4 = Arabic, 5 = Russian, 6 = Portuguese). | int | NO | |
| code_value_lang | title | * | Title | The actual code in the code value table. | nvarchar | NO | |
| code_value_lang | description | * | Description | The definition of the code value. | nvarchar | YES | |
| code_value_lang | created_date | ** | Created Date | | datetime | NO | |
| code_value_lang | created_by | ** | Created By | | int | NO | |
| code_value_lang | modified_date | ** | Modified Date | | datetime | YES | |
| code_value_lang | modified_by | ** | Modified By | | int | YES | |
| code_value_lang | owned_date | ** | Owned Date | | datetime | NO | |
| code_value_lang | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| cooperator | Table of individuals and organizations involved with germplasm activities (donors, collectors, breeders, requestors, etc.). Historic addresses for a person or institution can be kept and point to the current address. Either the historic or the current address can be used depending on the application. | | | | | | |
| cooperator | cooperator_id | cno | Cooperator | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| cooperator | current_cooperator_id | validcno | Current Cooperator ID | The cooperator key field for the most current address information (internal identifier generated by GRIN-Global, cannot be edited) - links to the cooperator table. | int | YES | |
| cooperator | site_id | site | Site | The site responsible for the cooperator record. | int | YES | |
| cooperator | last_name | lname | Last Name | The last name of the cooperator. Leave blank if record is for an institution. | nvarchar | YES | |
| cooperator | title | title | Title | The title of the cooperator. | nvarchar | YES | |
| cooperator | first_name | fname | First Name | The first and any other given names of the cooperator. | nvarchar | YES | |
| cooperator | job | job | Job | The job/position of the cooperator. | nvarchar | YES | |
| cooperator | organization | org | Organization Code | The full organization or institute name of the cooperator. | nvarchar | YES | |
| cooperator | organization_abbrev | orgid | Organization Abbreviation | The abbreviation, acronym or initials of the organization. | nvarchar | YES | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| cooperator | address_line1 | add1 | Address Line 1 | The subdivision (Department, Branch, Unit, Division) of the organization if one exists. Otherwise it contains address information (e.g., Street, P.O. Box). | nvarchar | YES | |
| cooperator | address_line2 | add2 | Address Line 2 | A second line of address for additional information. | nvarchar | YES | |
| cooperator | address_line3 | add3 | Address Line 3 | A third line of address for additional information. | nvarchar | YES | |
| cooperator | city | city | City | The city where the cooperator is located. Any postal code should be placed in the postal index column. | nvarchar | YES | |
| cooperator | postal_index | zip | Postal Index | The postal index for the address. | nvarchar | YES | |
| cooperator | geography_id | geono | Geography | The internal geographic identifier to indicate the country and state of the cooperator. | int | YES | |
| cooperator | secondary_organization | * | Secondary Organization | The alternate organization or institute name of the cooperator. | nvarchar | YES | |
| cooperator | secondary_organization_a | * | Secondary Organization Code | The abbreviation, acronym or initials of the organization. | nvarchar | YES | |
| cooperator | secondary_address_line1 | * | Secondary Address Line 1 | The alternate subdivision (Department, Branch, Unit, Division) of the organization if one exists. Otherwise it contains address information (e.g., Street, P.O. Box). | nvarchar | YES | |
| cooperator | secondary_address_line2 | * | Secondary Address Line 2 | A second line of the alternate address for additional information. | nvarchar | YES | |
| cooperator | secondary_address_line3 | * | Secondary Address Line 3 | A third line of the alternate address for additional information. | nvarchar | YES | |
| cooperator | secondary_city | * | Secondary City | The alternate city where the cooperator is located. Any postal code should be placed in the postal index column. | nvarchar | YES | |
| cooperator | secondary_postal_index | * | Secondary Postal Index | The alternate postal index for the address. | nvarchar | YES | |
| cooperator | secondary_geography_id | * | Secondary Geography | The internal geographic identifier to indicate the alternate country and state of the cooperator. | int | YES | |
| cooperator | primary_phone | phone1 | Primary Phone | The voice telephone number for the cooperator. | nvarchar | YES | |
| cooperator | secondary_phone | phone2 | Secondary  Phone | A second voice telephone number for the cooperator. | nvarchar | YES | |
| cooperator | fax | fax | Fax | The FAX number of the cooperator. | nvarchar | YES | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| cooperator | email | email | Email | The email addresses of the cooperator. | nvarchar | YES | |
| cooperator | secondary_email | * | Secondary Email | The alternate email addresses of the cooperator. | nvarchar | YES | |
| cooperator | status_code | active | Status | Indicates if the record is the current address for the cooperator. (The ACTIVE status indicates that it is current.) Must be one of the values for the Code Group COOPERATOR_STATUS in the Code Value table. Examples: INACTIVE, HISTORICAL, ACTIVE, DEAD. | nvarchar | NO | COOPERATOR_STATUS |
| cooperator | category_code | cat | Category | General categories for grouping cooperators by national or international affiliation. It is mainly used for management queries (e.g., annual distribution report). Examples: INT, FPRU, STA, UARS. Must be one of the values for the Code Group COOPERATOR_CATEGORY in the Code Value table. | nvarchar | YES | COOPERATOR_CATEGORY |
| cooperator | organization_region_code | arsregion | Organization Region Code | A code for an organizational region. Must be one of the values for the Code Group ORGANIZATION_REGION in the Code Value table. Example: The values BA, HDQ, SAA. represent the ARS region where the cooperator is located if in the United States. | nvarchar | YES | ORGANIZATION_REGION |
| cooperator | discipline_code | discipline | Discipline | The primary scientific discipline or interest of the cooperator. Must be one of the values for the Code Group COOPERATOR_DISCIPLINE in the Code Value table. Examples: Botany, Breeding, Molecular. | nvarchar | YES | COOPERATOR_DISCIPLINE |
| cooperator | note | cmt | Note | General remarks about the cooperator. | nvarchar | YES | |
| cooperator | sys_lang_id | | Language ID | The internal system language identifier which serves as a link to the system language table indicating the actual language used (1 = English, 2 = Spanish, 3 = French, 4 = Arabic, 5 = Russian, 6 = Portuguese). | int | NO | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| cooperator | created_date | ** | Created Date | | datetime | NO | |
| cooperator | created_by | ** | Created By | | int | NO | |
| cooperator | modified_date | ** | Modified Date | | datetime | YES | |
| cooperator | modified_by | ** | Modified By | | int | YES | |
| cooperator | owned_date | ** | Owned Date | | datetime | NO | |
| cooperator | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| cooperator_grou | Table of groups of cooperators (donors, collectors, breeders, requestors, etc.). Typical groupings would be for mailing lists, committees, institutional affiliations, or areas of interest. | | | | | | |
| cooperator_grou | cooperator_group_id | cgid | Cooperator Group ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| cooperator_grou | name | cgname | Name | The name of the cooperator group. | nvarchar | YES | |
| cooperator_grou | is_group_active | historical | Is Group Active | A TRUE/FALSE flag to indicate members retain the former address when the cooperator address is updated. | nvarchar | NO | |
| cooperator_grou | site_id | site | Site ID | The site key field of the site who created the cooperator group (internal identifier generated by GRIN-Global, cannot be edited) - links to the site table. | int | YES | |
| cooperator_grou | category_code | | Category Code | A general category for the cooperator group. Must be one of the values for the Code Group [name-tbd] in the Code Value table. | nvarchar | YES | x |
| cooperator_grou | group_tag | | Group Tag | A sub-grouping of cooperators below the cooperator group | nvarchar | YES | |
| cooperator_grou | note | cmt | Note | General remarks about the cooperator group. | nvarchar | YES | |
| cooperator_grou | created_date | ** | Created Date | | datetime | NO | |
| cooperator_grou | created_by | ** | Created By | | int | NO | |
| cooperator_grou | modified_date | ** | Modified Date | | datetime | YES | |
| cooperator_grou | modified_by | ** | Modified By | | int | YES | |
| cooperator_grou | owned_date | ** | Owned Date | | datetime | NO | |
| cooperator_grou | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| cooperator_map | Table that links the cooperator(s) to a cooperator group, and their role within the group. | | | | | | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| cooperator_map | cooperator_map_id | * | Cooperator Map ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| cooperator_map | cooperator_id | cno | Cooperator | The cooperator key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the cooperator table. | int | NO | |
| cooperator_map | cooperator_group_id | cgid | Cooperator Group | The cooperator group key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the cooperator group table. | int | NO | |
| cooperator_map | note | cmt | Note | General remarks about the cooperator map. | nvarchar | YES | |
| cooperator_map | created_date | ** | Created Date | | datetime | NO | |
| cooperator_map | created_by | ** | Create By | | int | NO | |
| cooperator_map | modified_date | ** | Modified Date | | datetime | YES | |
| cooperator_map | modified_by | ** | Modified By | | int | YES | |
| cooperator_map | owned_date | ** | Owned Date | | datetime | NO | |
| cooperator_map | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| **crop** | **Table of the crop or descriptor set name for material used in an evaluation. Each set is composed of one or more taxa.** | | | | | | |
| crop | crop_id | cropno | Crop ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| crop | name | crop | Crop | The crop name. Examples: Wheat, Apple, Rice. | nvarchar | NO | |
| crop | note | cmt | Note | General remarks about the crop. | nvarchar | YES | |
| crop | created_date | ** | Created Date | | datetime | NO | |
| crop | created_by | ** | Created By | | int | NO | |
| crop | modified_date | ** | Modified Date | | datetime | YES | |
| crop | modified_by | ** | Modified By | | int | YES | |
| crop | owned_date | ** | Owned Date | | datetime | NO | |
| crop | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| **crop_attach** | **Table of URL links to the crop table.** | | | | | | |
| crop_attach | crop_attach_id | * | Crop Attachment ID | The crop attachment key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the crop attachment table. | int | NO | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| crop_attach | crop_id | * | Crop ID | The crop key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the crop table. | int | NO | |
| crop_attach | virtual_path | * | Virtual Pathname | The pathname of the crop attachment. A full URL is needed when a remote server is used. | nvarchar | NO | |
| crop_attach | thumbnail_virtual_path | * | Thumbnail Pathname | The pathname of the crop thumbnail attachment. A full URL is needed when a remote server is used. | nvarchar | YES | |
| crop_attach | sort_order | * | Sort Order | A field to indicate the sort order of crop attachments. | int | YES | |
| crop_attach | title | * | Title | The title of the crop attachment. | nvarchar | YES | |
| crop_attach | description | * | Description | The description of the crop attachment. | nvarchar | YES | |
| crop_attach | content_type | * | Content Type | The content type of the crop attachment. | nvarchar | YES | |
| crop_attach | category_code | * | Category Code | The category of the crop attachment. Must be one of the values for the Code Group ATTACH_CATEGORY in the Code Value table. Examples: IMAGE, LINK, VOUCHER. | nvarchar | YES | ATTACH_CATEGORY |
| crop_attach | is_web_visible | * | Web Visible Flag | A TRUE/FALSE flag to indicate whether the attachment can be viewed on the general public web pages. | nvarchar | NO | |
| crop_attach | note | * | Note | General remarks about the crop attachment | nvarchar | YES | |
| crop_attach | created_date | ** | Created Date | | datetime | NO | |
| crop_attach | created_by | ** | Created By | | int | NO | |
| crop_attach | modified_date | ** | Modified Date | | datetime | YES | |
| crop_attach | modified_by | ** | Modified By | | int | YES | |
| crop_attach | owned_date | ** | Owned Date | | datetime | NO | |
| crop_attach | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| crop_trait | Table of the descriptors for the crop or descriptor set. It includes both characterization (plant height, oil content, days to flower, etc.) and evaluation parameters (resistance to an insect species, response to fertilizer, etc.). | | | | | | |
| crop_trait | crop_trait_id | dno | Trait ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| crop_trait | crop_id | cropno | Crop ID | The crop key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the crop table. | int | NO | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| crop_trait | coded_name | dqname | Trait Coded Name | The name of the trait. | nvarchar | NO | |
| crop_trait | is_peer_reviewed | * | Is peer reviewed? | A TRUE/FALSE flag to indicate if the crop trait has been peer reviewed and approved. | nvarchar | NO | |
| crop_trait | category_code | dcat | Category | A category used to group descriptors. Must be one of the values for the Code Group DESCRIPTOR_CATEGORY in the Code Value table. Examples: CHEMICAL, DISEASE, INSECT, MORPHOLOGY. | nvarchar | NO | DESCRIPTOR_CATEGORY |
| crop_trait | data_type_code | obtype | Data Type | The type of observation data collected. Examples: CHAR, LOWER, NUMERIC, and UPPER. Must be one of the values for the Code Group CROP_TRAIT_DATA_TYPE in the Code Value table. | nvarchar | NO | CROP_TRAIT_DATA_TYPE |
| crop_trait | is_coded | usecode | Is Coded? | A TRUE/FALSE flag to indicate if the trait has codes associated with it. | nvarchar | NO | |
| crop_trait | max_length | obmaxlen | Maximum Length | Longest length allowed of an observation for this trait. | int | YES | |
| crop_trait | numeric_format | obformat | Numeric Format | The format of the observation value if the data type is numeric. | nvarchar | YES | |
| crop_trait | numeric_maximum | obmax | Numeric Maximum | Maximum value allowed for an observation of a numeric trait. | int | YES | |
| crop_trait | numeric_minimum | obmin | Numeric Minimum | Minimum value allowed for an observation of a numeric trait. | int | YES | |
| crop_trait | original_value_type_code | orgtype | Original Value Type | The type of original observation data collected for this trait. Must be one of the values for the Code Group CROP_TRAIT_DATA_TYPE in the Code Value table. Examples: CHAR, LOWER, NUMERIC, and UPPER. | nvarchar | YES | CROP_TRAIT_DATA_TYPE |
| crop_trait | original_value_format | orgformat | Original Value Format | The format of the original observation value if the data type is numeric. | nvarchar | YES | |
| crop_trait | is_archived | * | Trait is Archived | A TRUE?FALSE flag to indicate whether the trait has been archived. | nvarchar | NO | |
| crop_trait | ontology_url | * | Ontology URL | A URL link to the ontology description of the trait. | nvarchar | YES | |
| crop_trait | note | def | Note | General remarks about the crop trait. | nvarchar | YES | |
| crop_trait | created_date | ** | Created Date | | datetime | NO | |
| crop_trait | created_by | ** | Created By | | int | NO | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| crop_trait | modified_date | ** | Modified Date | | datetime | YES | |
| crop_trait | modified_by | ** | Modified By | | int | YES | |
| crop_trait | owned_date | ** | Owned Date | | datetime | NO | |
| crop_trait | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| crop_trait_attach | Table of URL links to the crop_trait table. | | | | | | |
| crop_trait_attach | crop_trait_attach_id | * | Crop Trait Attachment ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| crop_trait_attach | crop_trait_id | dno | Crop Trait ID | The crop trait key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the crop trait table. | int | NO | |
| crop_trait_attach | virtual_path | url | Virtual Pathname | The pathname of the crop trait attachment. A complete URL must be supplied when a remote server is used. | nvarchar | NO | |
| crop_trait_attach | thumbnail_virtual_path | * | Thumbnail Pathname | The pathname of the crop trait attachment thumbnail. A complete URL must be supplied when a remote server is used. | nvarchar | YES | |
| crop_trait_attach | sort_order | * | Trait Attachment Sort Order | Indicates the sort order of crop trait attachments. | int | YES | |
| crop_trait_attach | title | caption | Trait Attachment Title | The title of the crop trait attachment. | nvarchar | YES | |
| crop_trait_attach | description | * | Description | The description of the crop trait attachment. | nvarchar | YES | |
| crop_trait_attach | content_type | * | Content Type | The content type of the crop trait attachment. | nvarchar | YES | |
| crop_trait_attach | category_code | * | Category | The type of crop trait attachment. Must be one of the values for the Code Group ATTACH_CATEGORY in the Code Value table. Examples: IMAGE, LINK, or VOUCHER. | nvarchar | YES | ATTACH_CATEGORY |
| crop_trait_attach | is_web_visible | * | Web Visible Flag | A TRUE/FALSE flag to indicate whether the attachment can be viewed on the general public web pages. | nvarchar | NO | |
| crop_trait_attach | note | cmt | Note | General remarks about the crop trait attachment. | nvarchar | YES | |
| crop_trait_attach | created_date | ** | Created Date | | datetime | NO | |
| crop_trait_attach | created_by | ** | Created By | | int | NO | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| crop_trait_attach | modified_date | ** | Modified Date | | datetime | YES | |
| crop_trait_attach | modified_by | ** | Modified By | | int | YES | |
| crop_trait_attach | owned_date | ** | Owned Date | | datetime | NO | |
| crop_trait_attach | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| crop_trait_code | Table of the list of acceptable code values for the crop descriptors. | | | | | | |
| crop_trait_code | crop_trait_code_id | cno | Crop Trait Code ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| crop_trait_code | crop_trait_id | dno | Crop Trait ID | The crop trait key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the crop trait table. | int | NO | |
| crop_trait_code | code | code | Code | The alphanumeric code value for a descriptor. | nvarchar | NO | |
| crop_trait_code | created_date | ** | Created Date | | datetime | NO | |
| crop_trait_code | created_by | ** | Created By | | int | NO | |
| crop_trait_code | modified_date | ** | Modified Date | | datetime | YES | |
| crop_trait_code | modified_by | ** | Modified By | | int | YES | |
| crop_trait_code | owned_date | ** | Owned Date | | datetime | NO | |
| crop_trait_code | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| crop_trait_code_ | Table of URL links to the crop_trait_code table. | | | | | | |
| crop_trait_code_ | crop_trait_code_attach_id | | Crop Trait Code Attachment ID | The crop trait code attachment key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the crop trait code attachment table. | int | NO | |
| crop_trait_code_ | crop_trait_code_id | cno | Crop Trait Code ID | The crop trait code key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the crop trait code table. | int | NO | |
| crop_trait_code_ | virtual_path | url | Virtual Pathname | The pathname of the crop trait code attachment. A complete URL must be supplied when a remote server is used. | nvarchar | NO | |
| crop_trait_code_ | thumbnail_virtual_path | | Thumbnail Pathname | The pathname of the crop trait attachment thumbnail. A complete URL must be supplied when a remote server is used. | nvarchar | YES | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| crop_trait_code_ | sort_order | | Sort Order | A field to indicate the sort order of crop trait code attachments. | int | YES | |
| crop_trait_code_ | title | caption | Title | The title of the crop trait code attachment. | nvarchar | YES | |
| crop_trait_code_ | description | * | Description | The description of the crop trait code attachment. | nvarchar | YES | |
| crop_trait_code_ | content_type | * | Content Type | The content of the crop trait code attachment. | nvarchar | YES | |
| crop_trait_code_ | category_code | * | Category Code | The type of crop trait attachment. Must be one of the values for the Code Group ATTACH_CATEGORY in the Code Value table. Examples: IMAGE, LINK, or VOUCHER. | nvarchar | YES | ATTACH_CATEGORY |
| crop_trait_code_ | is_web_visible | * | Visible on Web | A TRUE/FALSE flag to indicate whether the attachment can be viewed on the general public web pages. | nvarchar | NO | |
| crop_trait_code_ | note | cmt | Note | General remarks about the crop trait code attachment. | nvarchar | YES | |
| crop_trait_code_ | created_date | ** | Created Date | | datetime | NO | |
| crop_trait_code_ | created_by | ** | Created By | | int | NO | |
| crop_trait_code_ | modified_date | ** | Modified Date | | datetime | YES | |
| crop_trait_code_ | modified_by | ** | Modified By | | int | YES | |
| crop_trait_code_ | owned_date | ** | Owned Date | | datetime | NO | |
| crop_trait_code_ | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| crop_trait_code_ | Table that maintains the language translations for the crop_trait_code. | | | | | | |
| crop_trait_code_ | crop_trait_code_lang_id | * | Crop Trait Code Language ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| crop_trait_code_ | crop_trait_code_id | * | Crop Trait Code ID | The crop trait code key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the crop trait code table. | int | NO | |
| crop_trait_code_ | sys_lang_id | * | Language ID | The internal system language identifier which serves as a link to the system language table indicating the actual language used (1 = English, 2 = Spanish, 3 = French, 4 = Arabic, 5 = Russian, 6 = Portuguese). | int | NO | |
| crop_trait_code_ | title | * | Title | The coded value of the crop trait code. | nvarchar | YES | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| crop_trait_code_ | description | * | Description | The definition of the crop trait code. | nvarchar | YES | |
| crop_trait_code_ | created_date | ** | Created Date | | datetime | NO | |
| crop_trait_code_ | created_by | ** | Created By | | int | NO | |
| crop_trait_code_ | modified_date | ** | Modified Date | | datetime | YES | |
| crop_trait_code_ | modified_by | ** | Modified By | | int | YES | |
| crop_trait_code_ | owned_date | ** | Owned Date | | datetime | NO | |
| crop_trait_code_ | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| crop_trait_lang | | | | | | | |
| crop_trait_lang | crop_trait_lang_id | * | Crop Trait Language ID | The crop trait language key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the crop trait language table. | int | NO | |
| crop_trait_lang | crop_trait_id | * | Crop Trait ID | The crop trait key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the crop trait table. | int | NO | |
| crop_trait_lang | sys_lang_id | * | Language ID | The internal system language identifier which serves as a link to the system language table indicating the actual language used (1 = English, 2 = Spanish, 3 = French, 4 = Arabic, 5 = Russian, 6 = Portuguese). | int | NO | |
| crop_trait_lang | title | * | Trait | The coded name of the crop trait. | nvarchar | YES | |
| crop_trait_lang | description | * | Description | The definition of the crop trait. | nvarchar | YES | |
| crop_trait_lang | created_date | ** | Created Date | | datetime | NO | |
| crop_trait_lang | created_by | ** | Created By | | int | NO | |
| crop_trait_lang | modified_date | ** | Modified Date | | datetime | YES | |
| crop_trait_lang | modified_by | ** | Modified By | | int | YES | |
| crop_trait_lang | owned_date | ** | Owned Date | | datetime | NO | |
| crop_trait_lang | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| crop_trait_obser | Table of all the crop specific characteristic/evaluation data for an specific inventory sample. | | | | | | |
| crop_trait_obser | crop_trait_observation_id | obno | Crop Trait Observation ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| crop_trait_obser | inventory_id | ivid | Inventory ID | The inventory key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the inventory table. | int | NO | |
| crop_trait_obser | crop_trait_id | dno | Crop Trait ID | The crop trait key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the crop trait table. | int | NO | |
| crop_trait_obser | crop_trait_code_id | | Crop Trait Code ID | The crop trait code key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the crop trait code table. | int | YES | |
| crop_trait_obser | numeric_value | ob | Numeric Value | The observed value for this trait and method when the value is numeric (format is 13 integers and 5 decimals). | decimal | YES | |
| crop_trait_obser | string_value | ob | String Value | The observed value for this trait and method when the value is alpha/numeric. | nvarchar | YES | |
| crop_trait_obser | method_id | eno | Method ID | The method key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the method table. | int | YES | |
| crop_trait_obser | is_archived | | Observation Is Archived | A TRUE/FALSE flag to indicate whether the data for this observation has been archived. | nvarchar | NO | |
| crop_trait_obser | data_quality_code | | Data Quality Code | A code indicating the quality of the data recorded. Must be one of the values for the Code Group OBSERVATION_DATA_QUALITY in the Code Value table. Examples: EXCELLENT, GOOD, FAIR, or POOR. | nvarchar | YES | OBSERVATION_DATA_QUALITY |
| crop_trait_obser | original_value | | Original Value | The original value of this observation when observation is coded or adjusted. | nvarchar | YES | |
| crop_trait_obser | frequency | freq | Frequency | The frequency of this observation expressed as a percent. Examples 30% Blue kernels, 70% white kernels (format is 13 integers and 5 decimals). | decimal | YES | |
| crop_trait_obser | rank | rank | Rank | The rank of this observation. Example 1 (most predominant), 2 (second most predominant). | int | YES | |
| crop_trait_obser | mean_value | mean | Mean Value | The mean value of this observation (format is 13 integers and 5 decimals). | decimal | YES | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| crop_trait_obser | maximum_value | high | Maximum Value | The maximum value for this observation (format is 13 integers and 5 decimals). | decimal | YES | |
| crop_trait_obser | minimum_value | low | Minimum Value | The minimum value for this observation (format is 13 integers and 5 decimals). | decimal | YES | |
| crop_trait_obser | standard_deviation | sdev | Standard Deviation | The standard deviation for this observation (format is 13 integers and 5 decimals). | decimal | YES | |
| crop_trait_obser | sample_size | ssize | Sample Size | The sample size used to obtain the observation. | int | YES | |
| crop_trait_obser | note | cmt | Note | General remarks about the crop trait observation | nvarchar | YES | |
| crop_trait_obser | created_date | ** | Created Date | | datetime | NO | |
| crop_trait_obser | created_by | ** | Created By | | int | NO | |
| crop_trait_obser | modified_date | ** | Modified Date | | datetime | YES | |
| crop_trait_obser | modified_by | ** | Modified By | | int | YES | |
| crop_trait_obser | owned_date | ** | Owned Date | | datetime | NO | |
| crop_trait_obser | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| crop_trait_obser | Table of the raw crop-specific characteristic/evaluation data for a specific inventory sample. | | | | | | |
| crop_trait_obser | crop_trait_observation_da | | Crop Trait Raw Observation ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| crop_trait_obser | crop_trait_observation_id | obno | Crop Trait Observation ID | The crop trait observation key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the crop trait observation table. | int | YES | |
| crop_trait_obser | inventory_id | ivid | Inventory ID | The inventory key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the inventory table. | int | NO | |
| crop_trait_obser | individual | | Individual | The number of the individual plant the raw data was recorded on. | int | YES | |
| crop_trait_obser | crop_trait_id | dno | Crop Trait ID | The crop trait key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the crop trait table. | int | YES | |
| crop_trait_obser | crop_trait_code_id | | Crop Trait Code ID | The crop trait code key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the crop trait code table. | int | YES | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| crop_trait_obser | numeric_value | orgvalue | Numeric Value | The raw observed value for this trait and method when the value is numeric (format is 13 integers and 5 decimals). | decimal | YES | |
| crop_trait_obser | string_value | orgvalue | String Value | The raw observed value for this trait and method when the value is alpha/numeric. | nvarchar | YES | |
| crop_trait_obser | method_id | eno | Method ID | The internal method identifier which provides a link to the method table. | int | YES | |
| crop_trait_obser | note | cmt | Note | General remarks about the raw observation data | nvarchar | YES | |
| crop_trait_obser | created_date | ** | Created Date | | datetime | NO | |
| crop_trait_obser | created_by | ** | Created By | | int | NO | |
| crop_trait_obser | modified_date | ** | Modified Date | | datetime | YES | |
| crop_trait_obser | modified_by | ** | Modified By | | int | YES | |
| crop_trait_obser | owned_date | ** | Owned Date | | datetime | NO | |
| crop_trait_obser | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| genetic_annotati | Table links genetic observations (datapoints) to markers by describing the way in which the specific marker was analyzed in this experiment. | | | | | | |
| genetic_annotati | genetic_annotation_id | gano | Genetic Annotation Id | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| genetic_annotati | genetic_marker_id | markno | Marker ID | The genetic marker key field used to show which marker is connected to this genotypic assay (internal identifier generated by GRIN-Global, cannot be edited) - links to the genetic marker table. | int | NO | |
| genetic_annotati | method_id | eno | Method ID | The method key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the method table. | int | NO | |
| genetic_annotati | assay_method | method | Assay Method | The specific method used for this experiment detailing extraction, isolation, PCR conditions or sequencing conditions. | nvarchar | YES | |
| genetic_annotati | scoring_method | scoring_m | Scoring Method | Any information on equipment and software used in the assay. | nvarchar | YES | |
| genetic_annotati | control_values | control_va | Control Values | The specific accession (including the inventory or individual) used in this experiment with values at this marker. | nvarchar | YES | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| genetic_annotati | observation_alleles_coun | no_obs_a | Observation Alleles Count | The total number of observed alleles for one accession. | int | YES | |
| genetic_annotati | max_gob_alleles | max_gob_ | Max Gob Alleles | All the possible number of alleles for the marker. | int | YES | |
| genetic_annotati | size_alleles | size_allele | Size Alleles | The size range of alleles amplified for a given marker within this assay (or method). | nvarchar | YES | |
| genetic_annotati | unusual_alleles | unusual_a | Unusual Alleles | Any unusual alleles found. | nvarchar | YES | |
| genetic_annotati | note | cmt | Note | General remarks about the genetic annotation. | nvarchar | YES | |
| genetic_annotati | created_date | ** | Created Date | | datetime | NO | |
| genetic_annotati | created_by | ** | Created By | | int | NO | |
| genetic_annotati | modified_date | ** | Modified Date | | datetime | YES | |
| genetic_annotati | modified_by | ** | Modified By | | int | YES | |
| genetic_annotati | owned_date | ** | Owned Date | | datetime | NO | |
| genetic_annotati | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| genetic_marker | Table of genetic markers that are crop-specific. Ideally, markers are published (link to citation table) and have data for known standard controls available. The data in this table is general in nature, and not specific to a specific experiment or evaluation. | | | | | | |
| genetic_marker | genetic_marker_id | mrkno | Genetic Marker ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| genetic_marker | crop_id | cropno | Crop ID | The crop key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the crop table. | int | NO | |
| genetic_marker | name | marker | Marker | The name of a single genetic locus used as a descriptor for a specific crop. | nvarchar | NO | |
| genetic_marker | synonyms | synonyms | Synonym | Other name(s) for the marker. | nvarchar | YES | |
| genetic_marker | repeat_motif | repeat_m | Repeat Motif | A basic description of the main repeated set of nucleotides in a microsatellite. | nvarchar | YES | |
| genetic_marker | primers | primers | Primers | Nucleic acid strands that serve as starting points for DNA replication. Provide information on forward and reverse orientation (identify 3' and 5' ends). | nvarchar | YES | |
| genetic_marker | assay_conditions | assay_co | Assay Conditions | Specifics about the conditions of the way standards were run, from already published data specific to the marker. | nvarchar | YES | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| genetic_marker | range_products | range_prc | Range Products | Size range in base pairs of known alleles for this marker. | nvarchar | YES | |
| genetic_marker | genbank_number | genbank_ | Genebank Number | Accession identifier of the sequence in the NCBI database. When seen on the screen, this number is a link to Genbank. | nvarchar | YES | |
| genetic_marker | known_standards | know_star | Known Standards | A list of accession numbers and the genetic datapoint value (size or sequence) that are used to calibrate the genotyping. | nvarchar | YES | |
| genetic_marker | map_location | map_loca | Map Location | Link to a specific genomic map that shows the location of the marker on the map. | nvarchar | YES | |
| genetic_marker | position | position | Position | A text string describing the marker's placement on a specific genetic map (provide details on name and source). | nvarchar | YES | |
| genetic_marker | poly_type | poly_type | Poly Type | The type of polymorphism. Examples: AFLP, RAPD, Microsatellites, SNP. | nvarchar | YES | |
| genetic_marker | note | cmt | Note | General remarks about the genetic marker. | nvarchar | YES | |
| genetic_marker | created_date | ** | Created Date | | datetime | NO | |
| genetic_marker | created_by | ** | Created By | | int | NO | |
| genetic_marker | modified_date | ** | Modified Date | | datetime | YES | |
| genetic_marker | modified_by | ** | Modified By | | int | YES | |
| genetic_marker | owned_date | ** | Owned Date | | datetime | NO | |
| genetic_marker | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| genetic_observa | Table that holds the genetic data obtained for specific individuals or inventories using the assay described in the genotypic assay table. | | | | | | |
| genetic_observa | genetic_observation_id | gobno | Genetic Observation ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| genetic_observa | inventory_id | ivid | Inventory ID | The inventory key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the inventory table. | int | NO | |
| genetic_observa | genetic_annotation_id | gano | Genetic Annotation Id | The genetic annotation key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the genetic annotation table. | int | YES | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| genetic_observa | is_archived | | Is Archived? | A TRUE/FALSE flag to indicate the data for this observation has been archived. | nvarchar | NO | |
| genetic_observa | data_quality_code | | Data Quality | A code indicating the quality of the data recorded. Must be one of the values for the Code Group OBSERVATION_DATA_QUALITY in the Code Value table. Examples: EXCELLENT, GOOD, FAIR, or POOR. | nvarchar | YES | OBSERVATION_DATA_QUALITY |
| genetic_observa | frequency | | Frequency | The frequency of this observation expressed as a percent (format is 13 integers and 5 decimals). | decimal | YES | |
| genetic_observa | value | gob | Observed Value | The observed value for this genetic observation. | nvarchar | YES | |
| genetic_observa | rank | | Rank | The rank of this genetic observation. | int | YES | |
| genetic_observa | mean_value | | Mean Value | The mean value for this genetic observation (format is 13 integers and 5 decimals). | decimal | YES | |
| genetic_observa | maximum_value | | Maximum Value | The maximum value for this genetic observation (format is 13 integers and 5 decimals). | decimal | YES | |
| genetic_observa | minimum_value | | Minimum Value | The minimum value for this genetic observation (format is 13 integers and 5 decimals). | decimal | YES | |
| genetic_observa | standard_deviation | | Standard Deviation | The standard deviation for this genetic observation (format is 13 integers and 5 decimals). | decimal | YES | |
| genetic_observa | sample_size | | Sample Size | The sample size used to obtain the genetic observation. | int | YES | |
| genetic_observa | note | cmt | Note | General remarks about the genetic observation. | nvarchar | YES | |
| genetic_observa | created_date | ** | Created date | | datetime | NO | |
| genetic_observa | created_by | ** | Created By | | int | NO | |
| genetic_observa | modified_date | ** | Modified Date | | datetime | YES | |
| genetic_observa | modified_by | ** | Modified By | | int | YES | |
| genetic_observa | owned_date | ** | Owned Date | | datetime | NO | |
| genetic_observa | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| genetic_observa | Table that holds the raw genetic data obtained for specific individuals or inventories using the assay described in the genotypic assay table. | | | | | | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| genetic_observa | genetic_observation_data | | Genetic Observation Data ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| genetic_observa | genetic_observation_id | | Genetic Observation ID | The genetic obsevation key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the genetic observation table. | int | YES | |
| genetic_observa | genetic_annotation_id | | Genetic Annotation ID | The genetic annotation key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the genetic annotation table. | int | NO | |
| genetic_observa | inventory_id | | Inventory ID | The inventory key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the inventory table. | int | NO | |
| genetic_observa | individual | | Individual | The number of the individual plants the raw data was recorded on. | int | YES | |
| genetic_observa | individual_allele_number | | Individual Allele Number | The individual allele number (raw data) of the genetic observation. | int | YES | |
| genetic_observa | value | | Value | The observed value for the raw data for this genetic observation. | nvarchar | NO | |
| genetic_observa | created_date | ** | Created Date | | datetime | NO | |
| genetic_observa | created_by | ** | Created By | | int | NO | |
| genetic_observa | modified_date | ** | Modified Date | | datetime | YES | |
| genetic_observa | modified_by | ** | Modified By | | int | YES | |
| genetic_observa | owned_date | ** | Owned Date | | datetime | NO | |
| genetic_observa | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| geography | Table of all countries and their political subdivisions. Old names for countries are also in this table. | | | | | | |
| geography | geography_id | geono | Geography | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| geography | current_geography_id | validgeon | Current Valid Geography | The geographic key field for the current name of this country (internal identifier generated by GRIN-Global, cannot be edited) - links to the geography table. | int | YES | |
| geography | country_code | iso3 | Country | The country name code. Must be one of the values for the Code Group GEOGRAPHY_COUNTRY_CODE in the Code Value table. Examples: CAN, BRA, MEX, USA. | nvarchar | NO | GEOGRAPHY_COUNTRY_CODE |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| geography | adm1 | state | Administration 1 | The first administrative division of the geographic location. | nvarchar | YES | |
| geography | adm1_type_code | | Administration 1 Type Code | The code indicating the type of the first administrative division for the geographic location. Must be one of the values for the Code Group GEOGRAPHY_ADMIN1_TYPE in the Code Value table. | nvarchar | YES | GEOGRAPHY_ADMIN1_TYPE |
| geography | adm2 | | Administration 2 | The second administrative division of the geographic location. | nvarchar | YES | |
| geography | adm2_type_code | | Administration 2 Type Code | The code indicating the type of the second administrative division for the geographic location. Must be one of the values for the Code Group GEOGRAPHY_ADMIN2_TYPE in the Code Value table. | nvarchar | YES | GEOGRAPHY_ADMIN2_TYPE |
| geography | adm3 | | Administration 3 | The third administrative division of the geographic location. | nvarchar | YES | |
| geography | adm3_type_code | | Administration 3 Type Code | The code indicating the type of the third administrative division for the geographic location. Must be one of the values for the Code Group [name-tbd] in the Code Value table. | nvarchar | YES | x |
| geography | adm4 | | Administration 4 | The fourth administrative division of the geographic location. | nvarchar | YES | |
| geography | adm4_type_code | | Administration 4 Type Code | The code indicating the type of the fourth administrative division for the geographic location. Must be one of the values for the Code Group [name-tbd] in the Code Value table. | nvarchar | YES | x |
| geography | changed_date | changed | Changed Date | The date that the geographic name was officially changed. | datetime | YES | |
| geography | note | cmt | Note | General remarks about the geographic record. | nvarchar | YES | |
| geography | created_date | ** | Created Date | | datetime | NO | |
| geography | created_by | ** | Created By | | int | NO | |
| geography | modified_date | ** | Modified Date | | datetime | YES | |
| geography | modified_by | ** | Modified By | | int | YES | |
| geography | owned_date | ** | Owned Date | | datetime | NO | |
| geography | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| geography_lang | Table that maintains the language translations for the geography. | | | | | | |
| geography_lang | geography_lang_id | * | Geography Language ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| geography_lang | geography_id | * | Geography ID | The geography key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the geography table. | int | NO | |
| geography_lang | sys_lang_id | * | System Language ID | The internal system language identifier which serves as a link to the system language table indicating the actual language used (1 = English, 2 = Spanish, 3 = French, 4 = Arabic, 5 = Russian, 6 = Portuguese). | int | NO | |
| geography_lang | title | * | Title | The short name of the country. | nvarchar | NO | |
| geography_lang | description | * | Description | The full name of the country. | nvarchar | YES | |
| geography_lang | created_date | ** | Created Date | | datetime | NO | |
| geography_lang | created_by | ** | Created By | | int | NO | |
| geography_lang | modified_date | ** | Modified Date | | datetime | YES | |
| geography_lang | modified_by | ** | Modified By | | int | YES | |
| geography_lang | owned_date | ** | Owned Date | | datetime | NO | |
| geography_lang | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| geography_regic | Table that links regions to the geography table. | | | | | | |
| geography_regic | geography_region_map_i | * | Geography Region Map ID | The geography region map key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the geography region map table. | int | NO | |
| geography_regic | geography_id | geono | Geography ID | The geography key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the geography table. | int | NO | |
| geography_regic | region_id | regno | Region ID | The region key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the region table. | int | NO | |
| geography_regic | created_date | ** | Created Date | | datetime | NO | |
| geography_regic | created_by | ** | Created By | | int | NO | |
| geography_regic | modified_date | ** | Modified Date | | datetime | YES | |
| geography_regic | modified_by | ** | Modified By | | int | YES | |
| geography_regic | owned_date | ** | Owned Date | | datetime | NO | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| geography_regic | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| inventory | Table of all the inventories held at repositories. There may be several samples for an accession at a site corresponding to different generations, storage types, locations, etc. | | | | | | |
| inventory | inventory_id | ivid | Inventory ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| inventory | inventory_number_part1 | ivp | Inventory Prefix | The first part of the 3 part unique inventory identifier. Example: VIR 123456 | nvarchar | NO | |
| inventory | inventory_number_part2 | ivno | Inventory Number | The second part of the 3 part unique inventory identifier. Example: 123456 | int | YES | |
| inventory | inventory_number_part3 | ivs | Inventory Suffix | The third part of the 3 part unique inventory identifier. Example: 01 | nvarchar | YES | |
| inventory | form_type_code | ivt | Form Type | The inventory form type. Must be one of the values for the Code Group GERMPLASM_FORM in the Code Value table. Examples: BD, BL, CA, CL. | nvarchar | NO | GERMPLASM_FORM |
| inventory | inventory_maint_policy_id | imname | Inventory Maintenance Policy ID | The internal inventory maintenance policy identifier which relates to the full inventory maintenance record. | int | NO | |
| inventory | is_distributable | distribute | Is Distributable? | A TRUE/FALSE flag indicating that this inventory sample is available for distribution. Some organizations may use this field to indicate that this inventory is to be distributed first whenever an accession has multiple inventory samples available for distribution. | nvarchar | NO | |
| inventory | storage_location_part1 | loc1 | Location 1 | The first of four parts to identify the location of a particular inventory sample. All four fields apply to the same inventory sample. The four locations... [loc1] [loc2] [loc3] [loc4] ... could be used by the seed groups to provide the following: [Room] [Row] [Rack] [Storage type]; and by the clonal people to provide the following: [Orchard] [Block] [Row] [Tree]. You can fill in any of the columns and leave any of them blank. | nvarchar | YES | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| inventory | storage_location_part2 | loc2 | Location 2 | The second of the four part location identifier for the inventory sample. | nvarchar | YES | |
| inventory | storage_location_part3 | loc3 | Location 3 | The third of the four part location identifier for the inventory sample. | nvarchar | YES | |
| inventory | storage_location_part4 | loc4 | Location 4 | The fourth of the four part location identifier for the inventory sample. | nvarchar | YES | |
| inventory | latitude | | Latitude | The decimal latitude value for the inventory sample (format is 10 integers and 8 decimals). | decimal | YES | |
| inventory | longitude | | Longitude | The decimal longitude value for the inventory sample (format is 10 integers and 8 decimals). | decimal | YES | |
| inventory | is_available | | Is Available? | A TRUE/FALSE flag to indicate whether the inventory is available for distribution. | nvarchar | NO | |
| inventory | web_availability_note | * | Web availability Note | An inventory comment that is allowed to be shown on the GRIN-Global Public Website. | nvarchar | YES | |
| inventory | availability_status_code | status | Availability Status | The status of the inventory availability. Must be one of the values for the Code Group INVENTORY_AVAILABILITY_STATUS in the Code Value table. Examples: ADDED, BACK, COMBINED, CLOSED. | nvarchar | NO | INVENTORY_AVAILABILITY_STATUS |
| inventory | availability_status_note | statcmt | Status Note | General remarks on the inventory availability status. | nvarchar | YES | |
| inventory | availability_start_date | | Availability Start Date | Field can be used to indicate when seasonally available items are available. | datetime | YES | |
| inventory | availability_end_date | | Availability End Date | Field can be used to indicate the ending date when seasonally available items will then no longer be available. | datetime | YES | |
| inventory | quantity_on_hand | onhand | Quantity On Hand | The total amount of germplasm on hand for an inventory sample. | int | YES | |
| inventory | quantity_on_hand_unit_c | munits | Quantity On Hand Units | The units used for the quantity on hand. Must be one of the values for the Code Group UNIT_OF_QUANTITY in the Code Value table. Examples: counts, cuttings, grams, packets. | nvarchar | YES | UNIT_OF_QUANTITY |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| inventory | is_auto_deducted | debit | Is Auto Deducted? | A TRUE/FALSE flag to indicate whether the Quantity On Hand amount is debited when the order item for this sample is shipped. [Note: this feature is not implemented in GG 0.9] | nvarchar | NO | |
| inventory | distribution_default_form_ | dform | Distribution Default Form | The default form for distributions of this inventory sample. Must be one of the values for the Code Group GERMPLASM_FORM in the Code Value table. Examples: Budwood (BD), Cutting (CU), DNA (DN), Seed (SD), Tuber (TU). | nvarchar | YES | GERMPLASM_FORM |
| inventory | distribution_default_quant | dquant | Standard Distribution Quantity | The default distribution quantity for this sample. Institute users can update this field to override the maintenance group default. | int | YES | |
| inventory | distribution_unit_code | dunits | Unit of Distribution | The default units of germplasm by which orders are filled for this group. Must be one of the values for the Code Group UNIT_OF_QUANTITY in the Code Value table. Examples: count, cuttings, grams, packets. | nvarchar | YES | UNIT_OF_QUANTITY |
| inventory | distribution_critical_quanti | dcritical | Distribution Critical Amount | The number of maintenance units of germplasm necessary for distribution. A number less than this critical distribution value shows that distributions are not allowed. | int | YES | |
| inventory | replenishment_critical_qu | rcritical | Replenishment Critical Amount | The default number of maintenance units of germplasm necessary for replenishment. This value is copied from the im table, but can be changed by the germplasm institute. | int | YES | |
| inventory | pathogen_status_code | pstatus | Pathogen Status | The pathogen status of the inventory sample. Must be one of the values for the Code Group PATHOGEN_STATUS in the Code Value table. Examples: FREE, INFECTED, TESTED. | nvarchar | YES | PATHOGEN_STATUS |
| inventory | accession_id | acid | Accession ID | The accession key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the accession table. | int | NO | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| inventory | parent_inventory_id | parent | Parent Inventory | The inventory key field to show which inventory sample was used to generate the current inventory (internal identifier generated by GRIN-Global, cannot be edited) - links to the inventory table. | int | YES | |
| inventory | backup_inventory_id | backupiv | Backup Inventory | The inventory key field of the sample that is a back-up of the inventory at a secondary site (internal identifier generated by GRIN-Global, cannot be edited) - links to the inventory table. | int | YES | |
| inventory | rootstock | | Rootstock | The grafted rootstock used to propagate the inventory. | nvarchar | YES | |
| inventory | hundred_seed_weight | | Hundred Seed Weight | 100 seed weight for the inventory sample (format is 13 integers and 5 decimals). | decimal | YES | |
| inventory | pollination_method_code | | Pollination Method | The pollination method used to regenerate the inventory. Must be one of the values for the Code Group INVENTORY_POLLINATION_METHOI in the Code Value table. | nvarchar | YES | INVENTORY_POLLINATION_METHOD |
| inventory | pollination_vector_code | | Pollination Vector | The pollination vector used during the regeneration of the inventory. Must be one of the values for the Code Group INVENTORY_POLLINATION_VECTOF in the Code Value table. Examples: V, LC, FL, B. | nvarchar | YES | INVENTORY_POLLINATION_VECTOR |
| inventory | note | cmt | Note | General remarks about the inventory. | nvarchar | YES | |
| inventory | created_date | ** | Created Date | | datetime | NO | |
| inventory | created_by | ** | Created By | | int | NO | |
| inventory | modified_date | ** | Modified Date | | datetime | YES | |
| inventory | modified_by | ** | Modified By | | int | YES | |
| inventory | owned_date | ** | Owned Date | | datetime | NO | |
| inventory | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| inventory_action | Table of actions performed on the inventory sample while it is at a repository. It includes initial receipt of the material, verification, transfer, back-up, regeneration, repackaging, etc. It is not meant as a replacement for tracking movement of germplasm between sites or from sites but may be used to hold information about an event before results are obtained, such as a germination test or pathogen test. | | | | | | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| inventory_action | inventory_action_id | iactno | Inventory Action ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| inventory_action | inventory_id | ivid | Inventory ID | The inventory key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the inventory table. | int | NO | |
| inventory_action | action_name_code | action | Action Name | The type of action taken on the inventory. Must be one of the values for the Code Group INVENTORY_ACTION in the Code Value table. Examples: DUPLICATE, REACTIVATED, TRANSFERRED. | nvarchar | NO | INVENTORY_ACTION |
| inventory_action | action_date | occurred | Action Date | The date the action took place on the inventory. | datetime | NO | |
| inventory_action | action_date_code | datefmt | Action Date Format | The format of the completed date. Must be one of the values for the Code Group DATE_FORMAT in the Code Value table. Examples: MM/DD/YYYY, MM/YYYY, PRE YYYY. | nvarchar | YES | DATE_FORMAT |
| inventory_action | quantity | quant | Quantity | The amount of germplasm involved in a particular inventory action. | int | YES | |
| inventory_action | quantity_unit_code | units | Quantity Units | The units of germplasm associated with the inventory action. Must be one of the values for the Code Group UNIT_OF_QUANTITY in the Code Value table. Examples: count, cuttings, grams, packets. | nvarchar | YES | UNIT_OF_QUANTITY |
| inventory_action | form_code | iform | Form Involved | The form or type of germplasm involved in the inventory action. Must be one of the values for the Code Group GERMPLASM_FORM in the Code Value table. Examples: Budwood (BD), Cutting (CU), DNA (DN), Seed (SD), Tuber (TU). | nvarchar | YES | GERMPLASM_FORM |
| inventory_action | cooperator_id | cno | Cooperator | The internal cooperator identifier which provides a link to the cooperator table. | int | YES | |
| inventory_action | method_id | eno | Method ID | The method key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the method table. | int | YES | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| inventory_action | note | cmt | Note | General remarks about the inventory action | nvarchar | YES | |
| inventory_action | created_date | ** | Created Date | | datetime | NO | |
| inventory_action | created_by | ** | Created By | | int | NO | |
| inventory_action | modified_date | ** | Modified Date | | datetime | YES | |
| inventory_action | modified_by | ** | Modified By | | int | YES | |
| inventory_action | owned_date | ** | Owned Date | | datetime | NO | |
| inventory_action | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| | | | | | | | |
| inventory_attach | Table of addresses of the images and documents linked to the inventory table. | | | | | | |
| inventory_attach | inventory_attach_id | * | Inventory Attachment ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| inventory_attach | inventory_id | * | Inventory ID | The inventory key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the inventory table. | int | NO | |
| inventory_attach | virtual_path | * | Image Virtual Path | The pathname of the inventory attachment. A complete full URL is needed when a remote server is used. | nvarchar | NO | |
| inventory_attach | thumbnail_virtual_path | * | Thumbnail Virtual Path | The pathname of the inventory thumbnail attachment. A complete URL is needed when a remote server is used. | nvarchar | YES | |
| inventory_attach | sort_order | * | Sort Order | A field to indicate the sort order of inventory attachments. | int | YES | |
| inventory_attach | title | * | Title | The title of the inventory attachment. | nvarchar | YES | |
| inventory_attach | description | * | Description | The description of the inventory attachment. | nvarchar | YES | |
| inventory_attach | content_type | * | Content Type | The content type of the inventory attachment. | nvarchar | YES | |
| inventory_attach | category_code | * | Category | The category of the inventory attachment. Must be one of the values for the Code Group ATTACH_CATEGORY in the Code Value table. Examples: IMAGE, LINK, VOUCHER. | nvarchar | YES | ATTACH_CATEGORY |
| inventory_attach | copyright_information | * | Copyright Information | Any copyright information associated with the attachment. | nvarchar | YES | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| inventory_attach | attach_cooperator_id | * | Cooperator ID | The cooperator key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the cooperator table. | int | YES | |
| inventory_attach | is_web_visible | * | Visible From Web? | A TRUE/FALSE flag to indicate whether the attachment can be viewed on the general public web pages. | nvarchar | NO | |
| inventory_attach | note | * | Note | General remarks about the inventory attachment. | nvarchar | YES | |
| inventory_attach | created_date | ** | Created Date | | datetime | NO | |
| inventory_attach | created_by | ** | Created By | | int | NO | |
| inventory_attach | modified_date | ** | Modified Date | | datetime | YES | |
| inventory_attach | modified_by | ** | Modified By | | int | YES | |
| inventory_attach | owned_date | ** | Owned Date | | datetime | NO | |
| inventory_attach | owned_by | ** | Owned By | | int | NO | |
| inventory_group | inventory_group_id | * | Inventory Group ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| inventory_group | group_name | igname | Group Name | The name that identifies the inventory group for this sample. This group name is in addition to the maintenance group name. | nvarchar | NO | |
| inventory_group | note | cmt | Note | General remarks about the inventory group. | nvarchar | YES | |
| inventory_group | created_date | ** | Created Date | | datetime | NO | |
| inventory_group | created_by | ** | Created By | | int | NO | |
| inventory_group | modified_date | ** | Modified Date | | datetime | YES | |
| inventory_group | modified_by | ** | Modified By | | int | YES | |
| inventory_group | owned_date | ** | Owned Date | | datetime | NO | |
| inventory_group | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| inventory_group_ | Table of groups of inventory samples, other than Inventory Maintenance Policies. These alternate groups are determined by the maintenance sites. An iventory sample can be placed in more than one Inventory Group. | | | | | | |
| inventory_group_ | inventory_group_map_id | * | Inventory Group Map ID | The inventory group map key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the inventory group map table. | int | NO | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| inventory_group_ | inventory_id | ivid | Inventory ID | The inventory key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the inventory table. | int | NO | |
| inventory_group_ | inventory_group_id | * | Inventory Group ID | The inventory group key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the inventory group table. | int | NO | |
| inventory_group_ | note | | Note | General remarks about the inventory group map. | nvarchar | YES | |
| inventory_group_ | created_date | ** | Created Date | | datetime | NO | |
| inventory_group_ | created_by | ** | Created By | | int | NO | |
| inventory_group_ | modified_date | ** | Modified Date | | datetime | YES | |
| inventory_group_ | modified_by | ** | Modified By | | int | YES | |
| inventory_group_ | owned_date | ** | Owned Date | | datetime | NO | |
| inventory_group_ | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| inventory_maint_ | Table of principle inventory groups at a repository. These groups may be based on taxonomy, storage facilities, or other scheme determined by the maintenance site. The maintenance group determines how inventory samples are processed, including the deduction of distribution amounts and the setting of critical distribution and replenishment levels. | | | | | | |
| inventory_maint_ | inventory_maint_policy_id | | Inventory Maintenance Policy ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| inventory_maint_ | maintenance_name | imname | Maintenance Name | A name used to identify the group of inventory samples for maintenance purposes. | nvarchar | NO | |
| inventory_maint_ | form_type_code | ivt | Form Type | The default form of the inventory for this maintenance policy. Must be one of the values for the Code Group GERMINATION_FORM in the Code Value table. Examples: Budwood (BD), Cutting (CU), DNA (DN), Seed (SD), Tuber (TU). | nvarchar | NO | GERMINATION_FORM |
| inventory_maint_ | on_hand_unit_code | munits | Unit of Quantity On Hand | The default units used for the quantity-on-hand. Must be one of the values for the Code Group UNIT_OF_QUANTITY in the Code Value table. Examples: Counts, Cuttings, Grams, Packets. | nvarchar | YES | UNIT_OF_QUANTITY |
| inventory_maint_ | web_availability_note | | Web Availability Note | A maintenance policy comment that can be shown on the Public Website. | nvarchar | YES | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| inventory_maint_ | is_auto_deducted | debit | Is Auto Deducted? | A TRUE/FALSE flag to indicate if automatic deduction is used for inventories linked to this maintenance policy. | nvarchar | NO | |
| inventory_maint_ | distribution_default_form_ | dform | Distribution Default Form | The default distribution form of germplasm normally distributed for this group. Must be one of the values for the Code Group GERMPLASM_FORM in the Code Value table. Examples: budwood, cutting, DNA, seed. | nvarchar | NO | GERMPLASM_FORM |
| inventory_maint_ | distribution_default_quant | dquant | Standard Distribution Quantity | The default quantity of germplasm normally distributed for this group. | int | YES | |
| inventory_maint_ | distribution_unit_code | dunits | Unit of Distribution | The default units of germplasm by which orders are filled for this group. Must be one of the values for the Code Group UNIT_OF_QUANTITY in the Code Value table. Examples: Grams, kilograms, Cuttings, Count. | nvarchar | YES | GERMPLASM_FORM |
| inventory_maint_ | distribution_critical_quanti | dcritical | 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. | int | YES | |
| inventory_maint_ | replenishment_critical_qu | rcritical | 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. | int | YES | |
| inventory_maint_ | regeneration_method_coc | regen | Regeneration Method | The regeneration method used for this maintenance policy. Must be one of the values for the Code Group REGENERATION_METHOD in the Code Value table. Examples: GRAFT, HAND, INSECT, SELF. | nvarchar | YES | REGENERATION_METHOD |
| inventory_maint_ | curator_cooperator_id | cno | Current Cooperator ID | The cooperator key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the cooperator table. | int | YES | |
| inventory_maint_ | note | cmt | Note | General remarks about the inventory maintenance policy. | nvarchar | YES | |
| inventory_maint_ | created_date | ** | Created Date | | datetime | NO | |
| inventory_maint_ | created_by | ** | Created By | | int | NO | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| inventory_maint_ | modified_date | ** | Modified Date | | datetime | YES | |
| inventory_maint_ | modified_by | ** | Modified By | | int | YES | |
| inventory_maint_ | owned_date | ** | Owned Date | | datetime | NO | |
| inventory_maint_ | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| inventory_name | Table of all plant names and secondary or alternate identifiers for an iventory sample. These identifiers represent cultivar names, institute identifiers, collector numbers, breeder lines, etc. | | | | | | |
| inventory_name | inventory_name_id | | Inventory Name ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| inventory_name | inventory_id | ivid | Inventory ID | The inventory key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the inventory table. | int | NO | |
| inventory_name | category_code | | Category | The type of inventory name. Must be one of the values for the Code Group ACCESSION_NAME_TYPE in the Code Value table. Examples: CULTIVAR, LOCALNAME, INSTITUTE ID, COLLECTOR. | nvarchar | NO | ACCESSION_NAME_TYPE |
| inventory_name | plant_name | | Plant Name | Any name or identifier other than the primary inventory identifier. | nvarchar | NO | |
| inventory_name | plant_name_rank | | Plant Name Rank | A number assigned to the plant name to indicate the relative importance of the name. Lower numbers are more important | int | NO | |
| inventory_name | name_group_id | | Name Group ID | The name group key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the name group table. | int | YES | |
| inventory_name | name_source_cooperator | | Cooperator ID | The cooperator key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the cooperator table. | int | YES | |
| inventory_name | note | | Note | General remarks about the inventory name. | nvarchar | YES | |
| inventory_name | created_date | ** | Created Date | | datetime | NO | |
| inventory_name | created_by | ** | Created By | | int | NO | |
| inventory_name | modified_date | ** | Modified Date | | datetime | YES | |
| inventory_name | modified_by | ** | Modified By | | int | YES | |
| inventory_name | owned_date | ** | Owned Date | | datetime | NO | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| inventory_name | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| | | | | | | | |
| inventory_quality | Table of the results of pathogen tests for an inventory sample. These results can be either individual test results or summary results from a group of tests. | | | | | | |
| inventory_quality | inventory_quality_status_i | | Inventory Quality Status ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| inventory_quality | inventory_id | ivid | Inventory ID | The inventory key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the inventory table. | int | NO | |
| inventory_quality | test_type_code | | Test Type | The type of test performed to determine the inventory status. Must be one of the values for the Code Group PATHOLOGY_TEST_TYPE in the Code Value table. | nvarchar | NO | PATHOLOGY_TEST_TYPE |
| inventory_quality | contaminant_code | | Contaminant Code | The type of contamination found on the inventory. Must be one of the values for the Code Group PATHOLOGY_TEST in the Code Value table. Examples: AAC, APMV, ARABIS, BALDWIN. | nvarchar | NO | PATHOLOGY_TEST |
| inventory_quality | test_result_code | | Test Results | The test results found on the inventory. Must be one of the values for the Code Group PATHOLOGY_TEST_RESULT in the Code Value table. Examples: AMBIGUOUS, NEGATIVE, POSITIVE. | nvarchar | YES | PATHOLOGY_TEST_RESULT |
| inventory_quality | started_date | | Started Date | The date the test was started. | datetime | YES | |
| inventory_quality | completed_date | | Completed date | The date the test was started. | datetime | YES | |
| inventory_quality | required_replication_coun | | Required Replication Count | The total number of replications required for the quality tests. | int | YES | |
| inventory_quality | started_count | | Started Count | The number of inventories counted at the start of the test. | int | YES | |
| inventory_quality | completed_count | | Completed Count | The number of inventories counted at the start of the test. | int | YES | |
| inventory_quality | method_id | | Method ID | The method key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the method table. | int | YES | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| inventory_quality | tester_cooperator_id | | Cooperator ID | The cooperator key field of the individual performing the tests (internal identifier generated by GRIN-Global, cannot be edited) - links to the cooperator table. | int | YES | |
| inventory_quality | note | | Note | General Remarks about the inventory quality status. | nvarchar | YES | |
| inventory_quality | created_date | ** | Created Date | | datetime | NO | |
| inventory_quality | created_by | ** | Created By | | int | NO | |
| inventory_quality | modified_date | ** | Modified Date | | datetime | YES | |
| inventory_quality | modified_by | ** | Modified By | | int | YES | |
| inventory_quality | owned_date | ** | Owned Date | | datetime | NO | |
| inventory_quality | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| inventory_viabilit | Table of the results of seed germination tests and any other tests of viability. Actual test procedures are contained in the method table. | | | | | | |
| inventory_viabilit | inventory_viability_id | viano | Inventory Viability ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| inventory_viabilit | inventory_id | ivid | Inventory ID | The inventory key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the inventory table. | int | NO | |
| inventory_viabilit | inventory_viability_rule_id | | Inventory Viability Rule ID | The inventory viability rule key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the inventory viability rule table. | int | YES | |
| inventory_viabilit | tested_date | tested | Test Date | The date the germination test was conducted. | datetime | NO | |
| inventory_viabilit | tested_date_code | datefmt | Test Date Format | The format used for the tested date. Must be one of the values for the Code Group DATE_FORMAT in the Code Value table. Examples: MM/DD/YYYY, MM/YYYY, PRE YYYY. | nvarchar | YES | |
| inventory_viabilit | percent_normal | norm | Percent Normal | The percent of propagules in the inventory sample that display normal germination. This value is required to calculate percent viability. | int | YES | |
| inventory_viabilit | percent_abnormal | abnorm | Percent Abnormal | The percent of propagules in the inventory sample that display abnormal germination. | int | YES | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| inventory_viabilit | percent_dormant | dormant | Percent Dormant | The percent of propagules in the inventory sample that are viable, but which did not germinate. This value is required to calculate percent viability. | int | YES | |
| inventory_viabilit | percent_viable | viable | | This field contains the percent viability of the inventory sample. This value is calculated from the percent normal germination (percent_normal) and the percent dormant propagules (percent_dormant). | int | YES | |
| inventory_viabilit | vigor_rating_code | vigor | Vigor Rating | This field contains the vigor rating of the inventory sample based on the results of the germination test. Must be one of the values for the Code Group INVENTORY_VIGOR in the Code Value table. | nvarchar | YES | INVENTORY_VIGOR |
| inventory_viabilit | total_tested_count | sample | Sample Count | The total number of propagules of the inventory sample used in the germination test. | int | YES | |
| inventory_viabilit | replication_count | reps | Replication Count | The total number of replications performed to test the viability of the inventory sample. | int | YES | |
| inventory_viabilit | note | cmt | Note | General remarks about the inventory viability. | nvarchar | YES | |
| inventory_viabilit | created_date | ** | Created Date | | datetime | NO | |
| inventory_viabilit | created_by | ** | Created By | | int | NO | |
| inventory_viabilit | modified_date | ** | Modified Date | | datetime | YES | |
| inventory_viabilit | modified_by | ** | Modified By | | int | YES | |
| inventory_viabilit | owned_date | ** | Owned Date | | datetime | NO | |
| inventory_viabilit | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| **inventory_viabilit** | **Table of the raw data results of seed germination tests and any other tests of viability. Actual test procedures are contained in the evaluation table.** | | | | | | |
| inventory_viabilit | inventory_viability_data_i | | Inventory Viability Raw Data ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| inventory_viabilit | inventory_viability_id | | Inventory Viability ID | The inventory viability key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the inventory viability table. | int | NO | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| inventory_viabilit | order_request_item_id | | Order Request Item ID | The order request item key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the order request item table. | int | YES | |
| inventory_viabilit | counter_cooperator_id | | Cooperator ID | The cooperator key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the cooperator table. | int | YES | |
| inventory_viabilit | replication_number | | Number of Replications | The total number of replications performed to test the viability of the inventory sample. | int | NO | |
| inventory_viabilit | count_number | | Count | The total number of propagules of the inventory sample used in the germination test. | int | NO | |
| inventory_viabilit | count_date | | Germination Test Date | The date the germination test was conducted. | datetime | NO | |
| inventory_viabilit | normal_count | | Normal Count | The actual number of propagules in the inventory sample that were counted and displayed normal germination. | int | NO | |
| inventory_viabilit | abnormal_count | | Abnormal Count | The actual number of propagules in the inventory sample that were counted and displayed abnormal germination. | int | YES | |
| inventory_viabilit | dormant_count | | Dormant Count | The actual number of propagules in the inventory sample that were counted and were viable, but which did not germinate. | int | YES | |
| inventory_viabilit | dead_count | | Dead Count | The actual number of propagules in the inventory sample that were counted and were dead. | int | YES | |
| inventory_viabilit | unknown_count | | Unknown Count | The number of seeds where the classifier does not want to commit to dormant, dead or the other categories. | int | YES | |
| inventory_viabilit | replication_count | | Replication Count | The total number of items tested on the replication. | int | YES | |
| inventory_viabilit | note | | Note | General remarks about the inventory viability raw data. | nvarchar | YES | |
| inventory_viabilit | created_date | ** | Created Date | | datetime | NO | |
| inventory_viabilit | created_by | ** | Created By | | int | NO | |
| inventory_viabilit | modified_date | ** | Modified Date | | datetime | YES | |
| inventory_viabilit | modified_by | ** | modified By | | int | YES | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| inventory_viabilit | owned_date | ** | Owned Date | | datetime | NO | |
| inventory_viabilit | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| inventory_viabilit | Table containing the rules to germinate specific taxonomic species. | | | | | | |
| inventory_viabilit | inventory_viability_rule_id | | Inventory Viability Rule ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| inventory_viabilit | taxonomy_species_id | | Species ID | The taxonomic species key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the taxonomy species table. | int | NO | |
| inventory_viabilit | name | | Rule Name | The name of the viability rule. | nvarchar | YES | |
| inventory_viabilit | substrata | | Substrata | | nvarchar | YES | |
| inventory_viabilit | temperature_range | | Temperature Range | The temperature range used for the viability test. | nvarchar | YES | |
| inventory_viabilit | requirements | | Requirements | The requirements for the viability test. | nvarchar | YES | |
| inventory_viabilit | category_code | | Category Code | The category code of the viability test. Must be one of the values for the Code Group GERMINATION_CATEGORY in the Code Value table. Examples: AGRI, FLOWER, TREE/SHRUB, VEG/HERB. | nvarchar | YES | GERMINATION_CATEGORY |
| inventory_viabilit | count_regime_days | | Count of Regime Days | The number of days the viability test takes. | nvarchar | YES | |
| inventory_viabilit | note | | Note | General Remarks about the viability rules. | nvarchar | YES | |
| inventory_viabilit | created_date | ** | Created Date | | datetime | NO | |
| inventory_viabilit | created_by | ** | Created By | | int | NO | |
| inventory_viabilit | modified_date | ** | Modified Date | | datetime | YES | |
| inventory_viabilit | modified_by | ** | Modified By | | int | YES | |
| inventory_viabilit | owned_date | ** | Owned Date | | datetime | NO | |
| inventory_viabilit | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| literature | Table of valid books and journals used in literature citations for genera, taxa, accessions, methods, etc. in the database. The abbreviations used should follow recognized standards either from the library field or from taxonomy. | | | | | | |
| literature | literature_id | | Literature Abbreviation ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| literature | abbreviation | abbr | Abbreviation | The short abbreviation for this reference. | nvarchar | NO | |
| literature | standard_abbreviation | stdabbr | Standard Abbreviation | The standard abbreviation for a reference. | nvarchar | YES | |
| literature | reference_title | reftitle | Reference | The full title of the reference. | nvarchar | YES | |
| literature | editor_author_name | editor | Editor Name | The author(s) or editor(s) of the reference. | nvarchar | YES | |
| literature | literature_type_code | | Literature Type | A coded field indicating the type of literature used. Must be one of the values for the Code Group [name-tbd] in the Code Value table. | nvarchar | YES | x |
| literature | publication_year | | Publication Year | The year of the publication. | int | YES | |
| literature | publisher_name | | Publisher Name | The name of the publisher of the literature reference. | nvarchar | YES | |
| literature | publisher_location | | Publisher Location | The location of the publisher. | nvarchar | YES | |
| literature | note | cmt | Note | General remarks about the literature table. | nvarchar | YES | |
| literature | created_date | ** | Created Date | | datetime | NO | |
| literature | created_by | ** | Created By | | int | NO | |
| literature | modified_date | ** | Modified Date | | datetime | YES | |
| literature | modified_by | ** | Modified By | | int | YES | |
| literature | owned_date | ** | Owned Date | | datetime | NO | |
| literature | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| method | Table of the list of methods and procedures used in determining the crop specific attributes of the germplasm. Each environment used in an evaluation should have its own record. Other procedures can also be included in this table (e.g., germination procedures). | | | | | | |
| method | method_id | eno | Method ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| method | name | ename | Method Name | The name describing the method environment and/or procedure. | nvarchar | NO | |
| method | geography_id | geono | Geography | The internal geographic identifier to indicate the country and state of the method. | int | YES | |
| method | elevation_meters | | Elevation (meters) | The elevation of the location of the experiment measured in meters. | int | YES | |
| method | latitude | | Latitude | The decimal value of the method site latitude (format is 10 integers and 8 decimals). | decimal | YES | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| method | longitude | | Longitude | The decimal value of the method site longitude (format is 10 integers and 8 decimals). | decimal | YES | |
| method | uncertainty | | Uncertainty | The maximum possible error in the georeferenced location. | int | YES | |
| method | formatted_locality | | Formatted Locality | Locality description recorded in a standard format. | nvarchar | YES | |
| method | georeference_datum | | Georeference Datum | The geodetic system upon which the latitude and longitude are based. | nvarchar | YES | |
| method | georeference_protocol_cc | | Georeference Protocol | A code used to describe how georeferencing was carried out (GPS, Google Earth, BioGeoMancer, GIS, Gazeteer, Maps). Must be one of the values for the Code Group GEOREFERENCE_PROTOCOL in the Code Value table. | nvarchar | YES | GEOREFERENCE_PROTOCOL |
| method | georeference_annotation | | Georeference Annotation | 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. | nvarchar | YES | |
| method | materials_and_methods | methods | Material or Method Used | The description of the materials and methods used in the experiment. | nvarchar | YES | |
| method | study_reason_code | studytype | Study Reason | A code indicating the reason the study was conducted. Must be one of the values for the Code Group METHOD_STUDY_TYPE in the Code Value table. Examples: FINGERPRINT, GDIVERSITY, MAPPING, PHYLOGEN. | nvarchar | YES | METHOD_STUDY_TYPE |
| method | created_date | ** | Created Date | | datetime | NO | |
| method | created_by | ** | Created By | | int | NO | |
| method | modified_date | ** | Modified Date | | datetime | YES | |
| method | modified_by | ** | Modified By | | int | YES | |
| method | owned_date | ** | Owned Date | | datetime | NO | |
| method | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| method_map | Table of the cooperator(s) who participated in a method or experiment. | | | | | | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| method_map | method_cooperator_map_ | | Method Cooperator Map ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| method_map | cooperator_id | cno | Cooperator ID | The cooperator key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the cooperator table. | int | NO | |
| method_map | method_id | eno | Method ID | The method key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the method table. | int | NO | |
| method_map | created_date | ** | Created Date | | datetime | NO | |
| method_map | created_by | ** | Created By | | int | NO | |
| method_map | modified_date | ** | Modified Date | | datetime | YES | |
| method_map | modified_by | ** | Modified By | | int | YES | |
| method_map | owned_date | ** | Owned Date | | datetime | NO | |
| method_map | owned_by | ** | Owned By | | int | NO | |
| name_group | name_group_id | | Name Group | The name group key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the name group table. | int | NO | |
| name_group | group_name | | Group Name | A name to group alternate identifiers for the accession. | nvarchar | NO | |
| name_group | note | | Note | General Remarks about the name group. | nvarchar | YES | |
| name_group | URL | | URL | A field to store a URL for the name group. | nvarchar | YES | |
| name_group | created_date | ** | Created Date | | datetime | NO | |
| name_group | created_by | ** | Created By | | int | NO | |
| name_group | modified_date | ** | Modified Date | | datetime | YES | |
| name_group | modified_by | ** | Modified By | | int | YES | |
| name_group | owned_date | ** | Owned Date | | datetime | NO | |
| name_group | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| order_request | Table of requests for plant germplasm or germplasm information, including who is requesting the germplasm or information, and what is requested. Details about what is sent are contained in the order_request_item table. | | | | | | |
| order_request | order_request_id | orno | Order Request ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| order_request | original_order_request_id | origno | Original Order ID | When an order is split, this refers to the order request key field of the original or parent order primary key field number. (Internal identifier generated by GRIN-Global; cannot be edited.) | int | YES | |
| order_request | web_order_request_id | | Web Order Request ID | The web order request key field (generated by GRIN-Global, cannot be edited) - links to the web order request table. | int | YES | |
| order_request | local_number | localno | Local Number | Local order numbers for sites who maintain order numbers separate from the system order numbers (order_request_id). Local order numbers may consist of existing sequences which have historic value, or are numbers from a local database. | int | YES | |
| order_request | order_type_code | ortype | Order Type | The type of order. Must be one of the values for the Code Group ORDER_REQUEST_TYPE in the Code Value table.examples: Backup, Distributions, Information, Regeneration. | nvarchar | YES | ORDER_REQUEST_TYPE |
| order_request | ordered_date | ordered | Ordered Date | The date the order is received. | datetime | YES | |
| order_request | intended_use_code | | Intended Use | A code indicating the intended use of the material requested. Must be one of the values for the Code Group ORDER_INTENDED_USE in the Code Value table. Examples: RESEARCH, EDUCATION, HOME, REPATRIATION. | nvarchar | YES | ORDER_INTENDED_USE |
| order_request | intended_use_note | | Intended Use Note | Any additional notes on the intended use of the material requested. | nvarchar | YES | |
| order_request | completed_date | acted | Completed date | The date the order is completed. | datetime | YES | |
| order_request | requestor_cooperator_id | orderer | Requestor | The cooperator key field of the person or organization who requested the germplasm or information. It is automatically copied from the final recipient. Change this field only when an order is requested by a person or organization different from the final recipient, for example an embassy order. | int | YES | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| order_request | ship_to_cooperator_id | shipto | Ship To | The cooperator key field of the person or organization immediately receiving the order from the site. It is automatically copied from the final recipient. Change this field only when the order is sent to a location different from the final recipient, for example a quarantine location. | int | YES | |
| order_request | final_recipient_cooperator | final | Final Recipient | The cooperator key field of the final recipient of the germplasm. | int | NO | |
| order_request | order_obtained_via | | Order Obtained Via | Requester reference number or invoice to show how the order was obtained. | nvarchar | YES | |
| order_request | special_instruction | request | Special Instructions | Any special instructions pertaining to the order request. | nvarchar | YES | |
| order_request | note | cmt | Note | General remarks about the order request. | nvarchar | YES | |
| order_request | created_date | ** | Created Date | | datetime | NO | |
| order_request | created_by | ** | Created By | | int | NO | |
| order_request | modified_date | ** | Modified Date | | datetime | YES | |
| order_request | modified_by | ** | Modified By | | int | YES | |
| order_request | owned_date | ** | Owned Date | | datetime | NO | |
| order_request | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| order_request_a | Table to track the progress of an order as it changes status from new to completed. Orders can be completely filled, partially shipped, forwarded, split or cancelled. | | | | | | |
| order_request_a | order_request_action_id | oactno | Order Request Action Id | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| order_request_a | order_request_id | orno | Order Request ID | The order request key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the order request table. | int | NO | |
| order_request_a | action_name_code | | Action Name | The type of action taken on the order. Must be one of the values for the Code Group ORDER_REQUEST_ACTION in the Code Value table. Examples: APHIS, CANCEL, HOLD, FORWARD, ORDFILLED. | nvarchar | NO | ORDER_REQUEST_TYPE |
| order_request_a | started_date | acted | Started Count | The date the order request action is started. | datetime | NO | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| order_request_a | started_date_code | actid | Started Date Format | The format of the completed date. Must be one of the values for the Code Group DATE_FORMAT in the Code Value table. Examples: MM/DD/YYYY, MM/YYYY, PRE YYYY. | nvarchar | YES | DATE_FORMAT |
| order_request_a | completed_date | completec | Completed Date | The data the order request action is completed. | datetime | YES | |
| order_request_a | completed_date_code | | Completed Date Format | The format of the completed date. Must be one of the values for the Code Group DATE_FORMAT in the Code Value table. Examples: MM/DD/YYYY, MM/YYYY, PRE YYYY. | nvarchar | YES | DATE_FORMAT |
| order_request_a | action_information | | Action Information | Any additional information regarding the order request action. | nvarchar | YES | |
| order_request_a | action_cost | | Action Cost | The cost of the action performed on the order request (format is 13 integers and 5 decimals). | decimal | YES | |
| order_request_a | cooperator_id | cno | Cooperator ID | The cooperator key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the cooperator table. | int | YES | |
| order_request_a | note | cmt | Note | General remarks about the order request action. | nvarchar | YES | |
| order_request_a | created_date | ** | Created Date | | datetime | NO | |
| order_request_a | created_by | ** | Created By | | int | NO | |
| order_request_a | modified_date | ** | Modified Date | | datetime | YES | |
| order_request_a | modified_by | ** | Modified By | | int | YES | |
| order_request_a | owned_date | ** | Owned Date | | datetime | NO | |
| order_request_a | owned_by | ** | Owned By | | int | NO | |
| order_request_a | order_request_attach_id | | Order Request Attachment ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| order_request_a | order_request_id | | Order Request ID | The order request key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the order request table. | int | NO | |
| order_request_a | virtual_path | | Virtual Pathname | The pathname of the order request attachment. A complete URL must be supplied when a remote server is used. | nvarchar | NO | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| order_request_a | thumbnail_virtual_path | | Thumbnail Pathname | The pathname of the order request thumbnail attachment. A complete URL must be supplied when a remote server is used. | nvarchar | YES | |
| order_request_a | sort_order | | Sort Order | A field to indicate the sort order of order request attachments. | int | YES | |
| order_request_a | title | | Title | The title of the order request attachment. | nvarchar | YES | |
| order_request_a | description | | Description | The description of the order request attachment. | nvarchar | YES | |
| order_request_a | content_type | | Content Type | The content type of the order request attachment. | nvarchar | YES | |
| order_request_a | category_code | | Category Code | The category of the order request attachment. Must be one of the values for the Code Group [name-tbd] in the Code Value table. | nvarchar | YES | x |
| order_request_a | is_web_visible | | Visible On Web | A TRUE/FALSE flag to indicate whether the attachment can be viewed on the general public web pages. | nvarchar | NO | |
| order_request_a | copyright_information | | Copyright Information | Any copyright information associated with the attachment. | nvarchar | YES | |
| order_request_a | attach_cooperator_id | | Cooperator ID | The cooperator key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the cooperator table. | int | YES | |
| order_request_a | note | | Note | General remarks about the order request attachment. | nvarchar | YES | |
| order_request_a | created_date | ** | Created Date | | datetime | NO | |
| order_request_a | created_by | ** | Created By | | int | NO | |
| order_request_a | modified_date | ** | Modified Date | | datetime | YES | |
| order_request_a | modified_by | ** | Modified By | | int | YES | |
| order_request_a | owned_date | ** | Owned Date | | datetime | NO | |
| order_request_a | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| order_request_it | Table of the specific items included in the order. | | | | | | |
| order_request_it | order_request_item_id | oino | Order Item ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| order_request_it | order_request_id | orno | Order Request | The order request key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the order request table. | int | NO | |
| order_request_it | web_order_request_item_ | | Web Order Request Item ID | The web order request item key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the web order request item table. | int | YES | |
| order_request_it | sequence_number | itno | Item Number | The item sequence number. | int | YES | |
| order_request_it | name | item | Name | The name or other identifier of the order request item. | nvarchar | YES | |
| order_request_it | quantity_shipped | quantity | Quantity Shipped | The quantity of the order request item shipped. | int | YES | |
| order_request_it | quantity_shipped_unit_co | units | Units (of Shipped) | The units for the quantity of the order request item. Must be one of the values for the Code Group UNIT_OF_QUANTITY in the Code Value table. Examples: count, grams, packets. | nvarchar | YES | UNIT_OF_QUANTITY |
| order_request_it | distribution_form_code | dform | Distribution Form | The propagule form of the order item. Must be one of the values for the Code Group GERMPLASM_FORM in the Code Value table. Examples: budwood (BU), cutting (CU), DNA (DN), seed (SD). | nvarchar | YES | |
| order_request_it | status_code | status | Status Code | The current status of the item within the order. Each order item can have a different status. Must be one of the values for the Code Group ORDER_REQUEST_ITEM_STATUS in the Code Value table. | nvarchar | YES | ORDER_REQUEST_ITEM_STATUS |
| order_request_it | status_date | acted | Status Date | The date of the current status. | datetime | YES | |
| order_request_it | inventory_id | ivid | Inventory ID | The inventory key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the inventory table. | int | NO | |
| order_request_it | external_taxonomy | taxon | Requested Taxonomy Name | The taxonomic name of the order request item. This will be the same as the taxonomic name of the inventory sample unless it is material not in the system. | nvarchar | YES | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| order_request_it | source_cooperator_id | cno | Item Source | The internal cooperator identifier indicating the person or organization who was the source of the order request item. | int | YES | |
| order_request_it | note | cmt | Note | General remarks about the order request item. | nvarchar | YES | |
| order_request_it | web_user_note | | Web User Note | General remarks by the Web user. | nvarchar | YES | |
| order_request_it | created_date | ** | Created Date | | datetime | NO | |
| order_request_it | created_by | ** | Created By | | int | NO | |
| order_request_it | modified_date | ** | Modified Date | | datetime | YES | |
| order_request_it | modified_by | ** | Modified By | | int | YES | |
| order_request_it | owned_date | ** | Owned Date | | datetime | NO | |
| order_request_it | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| region | | | | | | | |
| region | region_id | regno | Value Member | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| region | continent | area | Continent | The continent name within the region. | nvarchar | NO | |
| region | subcontinent | region | Subcontinent | The subcontinent name within the region. | nvarchar | YES | |
| region | sequence_number | | Sequence Number | When used, indicates the preferred order for display in the Public Website, rather than displaying information in a default alphabetic order. | int | YES | |
| region | continent_abbreviation | | Continent Abbreviation | The abbreviation of the continent name. | nvarchar | YES | |
| region | subcontinent_abbreviation | | Subcontinent Abbreviation | The abbreviation of the subcontinent name. | nvarchar | YES | |
| region | note | cmt | Region Note | General remarks about the region. | nvarchar | YES | |
| region | created_date | ** | Created Date | | datetime | NO | |
| region | created_by | ** | Created By | | int | NO | |
| region | modified_date | ** | Modified Date | | datetime | YES | |
| region | modified_by | ** | Modified By | | int | YES | |
| region | owned_date | ** | Owned Date | | datetime | NO | |
| region | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| region_lang | | | | | | | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| region_lang | region_lang_id | * | Region Language Id | The region language key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the region lang table. | int | NO | |
| region_lang | region_id | * | Region | The region key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the region table. | int | NO | |
| region_lang | sys_lang_id | * | System Language | The internal system language identifier which serves as a link to the system language table indicating the actual language used (1 = English, 2 = Spanish, 3 = French, 4 = Arabic, 5 = Russian, 6 = Portuguese). | int | NO | |
| region_lang | title | * | Title | The title of the region. | nvarchar | NO | |
| region_lang | description | * | Description | The full description of the region. | nvarchar | YES | |
| region_lang | created_date | ** | Created Date | | datetime | NO | |
| region_lang | created_by | ** | Created By | | int | NO | |
| region_lang | modified_date | ** | Modified Date | | datetime | YES | |
| region_lang | modified_by | ** | Modified By | | int | YES | |
| region_lang | owned_date | ** | Owned Date | | datetime | NO | |
| region_lang | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| site | Table of the germplasm collection institutes for a country, program, etc. | | | | | | |
| site | site_id | | Site ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| site | site_short_name | site | Site Abbreviation | The short name of the germplasm institute. Examples: GSZE, NGRL | nvarchar | NO | |
| site | site_long_name | sitename | Site Long Name | The long, descriptive name of the germplasm institute. Examples: Maize Genetic Stock Center, National Germplasm Resources Laboratory | nvarchar | NO | |
| site | organization_abbrev | | Organization Abbreviation | FAO ACRONYM values. | nvarchar | YES | |
| site | is_internal | | Is Internal? | A TRUE/FALSE flag indicating whether the site is one of the organization's sites. | nvarchar | NO | |
| site | is_distribution_site | distribute | Is Distribution Site? | A TRUE/FALSE flag, indicating if the maintenance site distributes germplasm. | nvarchar | NO | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| site | type_code | | Type Code | Indicates the type of materials that are maintained at the site. Must be one of the values for the Code Group SITE_TYPE in the Code Value table. Examples: CLONAL, MIXED, SEED. | nvarchar | YES | SITE_TYPE |
| site | fao_institute_number | instcode | FAO Institute Number | The FAO code of the institute where the accession is maintained. Example: USA086. See http://apps3.fao.org/wiews/institute_query.htm?i_l=EN | nvarchar | YES | |
| site | note | cmt | Note | General remarks about the maintenance institute. | nvarchar | YES | |
| site | created_date | ** | Created Date | | datetime | NO | |
| site | created_by | ** | Created By | | int | NO | |
| site | modified_date | ** | Modified Date | | datetime | YES | |
| site | modified_by | ** | Modified By | | int | YES | |
| site | owned_date | ** | Owned Date | | datetime | NO | |
| site | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| site_inventory_n | | | | | | | |
| site_inventory_n | site_inventory_nc7_id | | Site Inventory NC7 ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| site_inventory_n | inventory_id | ivid | Inventory | The inventory key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the inventory table. | int | NO | |
| site_inventory_n | hundred_weight | ivhswt | Hundred Weight | 100 Seed Weight (format is 13 integers and 5 decimals). | decimal | YES | |
| site_inventory_n | pollination_control | ivpoll | Pollination Control | Method of control pollination. | nvarchar | YES | |
| site_inventory_n | farm_field_identifier | farmfield | Farm Field Identifier | The field or GH in which the inventory was or is located for regeneration. | nvarchar | YES | |
| site_inventory_n | location_type_code | loctype | Location Type Code | The type of location in which the inventory was/is located. | nvarchar | YES | |
| site_inventory_n | location_low | loclow | Low Location | The lowest location of a sequence of locations for the inventory, i.e. the first row of a sequence of rows. | nvarchar | YES | |
| site_inventory_n | location_high | lochigh | High Location | The highest location of a sequence of locations for the inventory, i.e. the last row of a sequence of rows. | nvarchar | YES | |
| site_inventory_n | sublocation_type_code | sloctype | Sublocation Type Code | The type of sublocation in which the inventory was/is located. | nvarchar | YES | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| site_inventory_n | sublocation_low | sloclow | Low Sublocation | The lowest sublocation of a sequence of locations. | nvarchar | YES | |
| site_inventory_n | sublocation_high | slochigh | High Sublocation | The highest sublocation of a sequence of sublocations. | nvarchar | YES | |
| site_inventory_n | old_inventory_identifier | oldinvid | Old Inventory Identifier | When an accession is permanently PI'ed, the inventory lot code (IVP, IVNO,IVS,IVT) is changed to reflect the current PI number by NCRPIS definition. This field holds the old concatinated (IVP, IVNO,IVS,IVT) before the lot was changed. | nvarchar | YES | |
| site_inventory_n | inventory_site_note | cmt | Inventory Site Note | | nvarchar | YES | |
| site_inventory_n | inventory_location1_latitu | latdec1 | Location1 Latitude | Latitude of location 1 (format is 10 integers and 8 decimals). | decimal | YES | |
| site_inventory_n | inventory_location1_longi | londec1 | Location1 Longitude | Longitude of location 1 (format is 10 integers and 8 decimals). | decimal | YES | |
| site_inventory_n | inventory_location1_preci | precision1 | Location1 Precision | Number of decimal places to the right of the decimal point to which the first location latitude and longitude were taken. This is most helpful when the GPS gives a reading of 45.0000 degrees and is precise to that degree, but software automatically truncates the zeros. This field could be used to restore the proper number of zeros. | int | YES | |
| site_inventory_n | inventory_location2_latitu | latdec1 | Location2 Latitude | Latitude of location 2 (format is 10 integers and 8 decimals). | decimal | YES | |
| site_inventory_n | inventory_location2_longi | londec2 | Location2 Longitude | Longitude of location 2 (format is 10 integers and 8 decimals). | decimal | YES | |
| site_inventory_n | inventory_location2_preci | precision2 | Location2 Precision | Number of decimal places to the right of the decimal point to which the second location latitude and longitude were taken. This is most helpful when the GPS gives a reading of 45.0000 degrees and is precise to that degree, but software automatically truncates the zeros. This field could be used to restore the proper number of zeros. | int | YES | |
| site_inventory_n | inventory_datum | datum | Locations Datum | A set of constants specifying the coordinate system used for geodetic control, i.e., for calculating the coordinates of points on the Earth (WGS 84,NAD 83.NAD 27). | nvarchar | YES | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| site_inventory_n | coordinates_apply_to_coc | coorappl | Coordinates Apply To Code | This is an NCRPIS established group of codes that explains what the coordinates apply to, i.e. a single plant, cage, entry, or plot; the location of the first entry for multiple plants, rows, etc.; the location of the nearest field benchmark. | nvarchar | YES | |
| site_inventory_n | coordinates_comment | coorcomm | Coordinate Comment | Explains the relationship of the coordinates to the lot in a narrative fashion, such as ?first plant located 30 feet north and 10 feet west of the northwest benchmark for Field E? or ? details found in map XXX.pdf?. | nvarchar | YES | |
| site_inventory_n | coordinates_voucher_loca | coorvouch | Coordinate Map Location URL | A URL link to a map location where this inventory is located. | nvarchar | YES | |
| site_inventory_n | irregular_inventory_locatic | locirreg | Irregular Inventory Location Description | A narrative description of an irregular inventory location. | nvarchar | YES | |
| site_inventory_n | is_increase_success_flag | success | Was Increase Successful | Was the increase considered successful increase (Y or N). Only N response allows 3 reason codes to be entered. | nvarchar | YES | |
| site_inventory_n | reason_unsuccessfull1_c | unsuccess | Reason1 Unsuccessful Code | First most prominent reason for not being a completely sucessful increase. | nvarchar | YES | |
| site_inventory_n | reason_unsuccessfull2_c | unsuccess | Reason2 Unsuccessful Code | Second most prominent reason for not being an completely sucessful increase. | nvarchar | YES | |
| site_inventory_n | reason_unsuccessfull3_c | unsuccess | Reason3 Unsuccessful Code | Third most prominent reason for not being a completely sucessful increase. | nvarchar | YES | |
| site_inventory_n | reason_unsuccessfull_no | unsucccm | Reason Unsuccessful Note | Clarifying comments regarding why the increase is considered to be unsuccessful. | nvarchar | YES | |
| site_inventory_n | created_date | ** | Created Date | | datetime | NO | |
| site_inventory_n | created_by | ** | Created By | | int | NO | |
| site_inventory_n | modified_date | ** | Modified Date | | datetime | YES | |
| site_inventory_n | modified_by | ** | Modified By | | int | YES | |
| site_inventory_n | owned_date | ** | Owned Date | | datetime | NO | |
| site_inventory_n | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| taxonomy_alt_fa | | | | | | | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| taxonomy_alt_fa | taxonomy_alt_family_map | | Taxonomy Alternate Family ID | The taxonomy alternate family map primary key field (internal identifier auto-generated by GRIN-Global, cannot be edited) - links to the taxonomy alt family map table. | int | NO | |
| taxonomy_alt_fa | taxonomy_genus_id | gno | Genus ID | The genus key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the genus table. | int | NO | |
| taxonomy_alt_fa | taxonomy_family_id | famno | Family ID | The family key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the family table. | int | NO | |
| taxonomy_alt_fa | created_date | ** | Created Date | | datetime | NO | |
| taxonomy_alt_fa | created_by | ** | Created By | | int | NO | |
| taxonomy_alt_fa | modified_date | ** | Modified Date | | datetime | YES | |
| taxonomy_alt_fa | modified_by | ** | Modified By | | int | YES | |
| taxonomy_alt_fa | owned_date | ** | Owned Date | | datetime | NO | |
| taxonomy_alt_fa | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| taxonomy_attacl | Table of URL links to the taxonomy_family, taxonomy_genus and taxonomy_species tables. | | | | | | |
| taxonomy_attacl | taxonomy_attach_id | | Taxonomy Attachment ID | The taxonomy attachment key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the taxonomy attach table. | int | NO | |
| taxonomy_attacl | taxonomy_family_id | famno | Family ID | The internal family or infrafamily identifier for the taxonomic attachment. Serves as a link to the family table. | int | YES | |
| taxonomy_attacl | taxonomy_genus_id | gno | Genus ID | The genus or infragenus key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the taxonomy genus table. | int | YES | |
| taxonomy_attacl | taxonomy_species_id | taxno | Species ID | The species or infraspecies key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the taxonomy genus table. | int | YES | |
| taxonomy_attacl | virtual_path | | Taxonomic Attachment Pathname | The pathname of the taxonomic attachment. A complete URL is needed when a remote server is used. | nvarchar | NO | |
| taxonomy_attacl | thumbnail_virtual_path | | Taxonomic Attachment Thumbnail Pathname | The pathname of the taxonomic thumbnail attachment. A complete URL must be supplied when a remote server is used. | nvarchar | YES | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| taxonomy_attacl | sort_order | | Taxonomic Attachment Sort Order | Indicates the sort order of taxonomic attachments. | int | YES | |
| taxonomy_attacl | title | caption | Attachment Title | The title of the taxonomic attachment. | nvarchar | YES | |
| taxonomy_attacl | description | | Description | The description of the taxonomic attachment. | nvarchar | YES | |
| taxonomy_attacl | content_type | | Content Type | The content of the taxonomic attachment. | nvarchar | YES | |
| taxonomy_attacl | category_code | | Category | The category of the taxonomic attachment. Must be one of the values for the Code Group ATTACH_CATEGORY in the Code Value table. Examples: IMAGE, LINK, VOUCHER. | nvarchar | YES | ATTACH_CATEGORY |
| taxonomy_attacl | is_web_visible | | Public Website Visible | A TRUE/FALSE flag to indicate whether the attachment can be viewed on the general public web pages. | nvarchar | NO | |
| taxonomy_attacl | copyright_information | | Copyright Information | Any copyright information associated with the attachment. | nvarchar | YES | |
| taxonomy_attacl | attach_cooperator_id | cno | Taxonomy Attachment Cooperator ID | The cooperator key field of the individual who added the attachment (internal identifier generated by GRIN-Global, cannot be edited) - links to the cooperator table. | int | YES | |
| taxonomy_attacl | note | cmt | Attachment Note | General comments about the taxonomic attachment. | nvarchar | YES | |
| taxonomy_attacl | created_date | ** | Created Date | | datetime | NO | |
| taxonomy_attacl | created_by | ** | Created By | | int | NO | |
| taxonomy_attacl | modified_date | ** | Modified Date | | datetime | YES | |
| taxonomy_attacl | modified_by | ** | Modified By | | int | YES | |
| taxonomy_attacl | owned_date | ** | Owned Date | | datetime | NO | |
| taxonomy_attacl | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| taxonomy_autho | Table of individual names of people who have described the taxa. It is also a spelling check for data entry of new taxonomic authorities and for displaying the full names of authors. | | | | | | |
| taxonomy_autho | taxonomy_author_id | | Taxonomy Author Id | The taxonomy author key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the taxonomy author table. | int | NO | |
| taxonomy_autho | short_name | shortaut | Short Name | The international standard short version of taxon author name used in taxon author fields. | nvarchar | NO | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| taxonomy_authc | full_name | longaut | Full name | The full name of the taxon author. | nvarchar | NO | |
| taxonomy_authc | short_name_expanded_d | smarkaut | Short Name Expanded Diacritic | The international standard short version of the taxon author name with diacritics used in taxon author strings for web display. | nvarchar | YES | |
| taxonomy_authc | full_name_expanded_diac | lmarkaut | Full Name Expanded Diacritic | The full name of the taxon author with diacritics. | nvarchar | YES | |
| taxonomy_authc | note | cmt | Note | General comments about the taxonomic author. | nvarchar | YES | |
| taxonomy_authc | created_date | ** | Created Date | | datetime | NO | |
| taxonomy_authc | created_by | ** | Created By | | int | NO | |
| taxonomy_authc | modified_date | ** | Modified Date | | datetime | YES | |
| taxonomy_authc | modified_by | ** | Modified By | | int | YES | |
| taxonomy_authc | owned_date | ** | Owned Date | | datetime | NO | |
| taxonomy_authc | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| taxonomy_comn | Table of common names for the taxon. The most commonly used name should be listed first. | | | | | | |
| taxonomy_comn | taxonomy_common_nam | | Taxonomy Common Name Id | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| taxonomy_comn | taxonomy_genus_id | gno | Genus ID | The genus or infragenus key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the taxonomy genus table. | int | YES | |
| taxonomy_comn | taxonomy_species_id | taxno | Species ID | The species or infraspecies key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the taxonomy species table. | int | YES | |
| taxonomy_comn | language_description | | Linguistic Origin | The linguistic origin of the common name. | nvarchar | YES | |
| taxonomy_comn | name | cname | Name | The common name for the taxon. | nvarchar | NO | |
| taxonomy_comn | simplified_name | | Simplified Name | The simplified common name for the taxon, stripped of case, spaces, hyphens, apostrophes and/or diacritics. | nvarchar | YES | |
| taxonomy_comn | note | cmt | Note | General comments about the taxonomic common name. | nvarchar | YES | |
| taxonomy_comn | created_date | ** | Created Date | | datetime | NO | |
| taxonomy_comn | created_by | ** | Created By | | int | NO | |
| taxonomy_comn | modified_date | ** | Modified Date | | datetime | YES | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| taxonomy_comn | modified_by | ** | Modified By | | int | YES | |
| taxonomy_comn | owned_date | ** | Owned Date | | datetime | NO | |
| taxonomy_comn | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| taxonomy_crop_ | Table of the crops related to a specific taxon.. | | | | | | |
| taxonomy_crop_ | taxonomy_crop_map_id | | Taxonomy Crop Map Id | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| taxonomy_crop_ | taxonomy_species_id | | Taxonomy Species ID | The species or infraspecies key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the taxonomy species table. | int | NO | |
| taxonomy_crop_ | crop_id | | Crop ID | The crop key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the crop table. | int | NO | |
| taxonomy_crop_ | alternate_crop_name | | Alternate Crop Name | The alternate crop name for a taxon in cases where an alternative crop name is used for the same crop. | nvarchar | NO | |
| taxonomy_crop_ | common_crop_name | | Common Crop Name | The common name for the crop and/or subcrops. Example: wheat, durum wheat, cherry tomato, tomato. | nvarchar | NO | |
| taxonomy_crop_ | is_primary_genepool | | Is Primary Genepool? | Field indicates whether the taxon is part of the primary genepool of the crop. | nvarchar | NO | |
| taxonomy_crop_ | is_secondary_genepool | | Is Secondary Genepool? | Field indicates whether the taxon is part of the secondary genepool of the crop. | nvarchar | NO | |
| taxonomy_crop_ | is_tertiary_genepool | | Is Tertiary Genepool? | Field indicates whether the taxon is part of the tertiary genepool of the crop. | nvarchar | NO | |
| taxonomy_crop_ | is_quaternary_genepool | | Is Quaternary Genepool? | Field indicates whether the taxon is part of the quaternary genepool of the crop. | nvarchar | NO | |
| taxonomy_crop_ | note | | Note | Generic comments about the taxonomic crop link. | nvarchar | YES | |
| taxonomy_crop_ | created_date | ** | Created Date | | datetime | NO | |
| taxonomy_crop_ | created_by | ** | Created By | | int | NO | |
| taxonomy_crop_ | modified_date | ** | Modified Date | | datetime | YES | |
| taxonomy_crop_ | modified_by | ** | Modified By | | int | YES | |
| taxonomy_crop_ | owned_date | ** | Owned Date | | datetime | NO | |
| taxonomy_crop_ | owned_by | ** | Owned By | | int | NO | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| | | | | | | | |
| taxonomy_family | Table of valid family names and other levels above genus for look-up on data entry and edit checking. | | | | | | |
| taxonomy_family | taxonomy_family_id | famno | Taxonomic Family ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| taxonomy_family | current_taxonomy_family_ | validfamn | Taxonomy Current Family ID | The family key field for the valid family or infrafamily if this is a synonym (internal identifier generated by GRIN-Global, cannot be edited) - links to the taxonomy family table. | int | YES | |
| taxonomy_family | type_taxonomy_genus_id | | Genus ID | The genus key field that is the type for the family or infrafamily (internal identifier generated by GRIN-Global, cannot be edited) - links to the taxonomy genus table. | int | YES | |
| taxonomy_family | suprafamily_rank_code | | Suprafamily Rank | The suprafamily rank. Serves to group families. The chosen rank depends on desired family groupings. Must be one of the values for the Code Group TAXONOMY_SUPRAFAMILY in the Code Value table. Examples: KINGDOM, CLASS, DIVISION, ORDER. | nvarchar | YES | TAXONOMY_SUPRAFAMILY |
| taxonomy_family | suprafamily_rank_name | | Suprafamily Rank Name | The suprafamily name at the chosen suprafamily rank. | nvarchar | YES | |
| taxonomy_family | family_name | family | Family Name | The taxonomic family name. | nvarchar | NO | |
| taxonomy_family | author_name | famauthor | Author Name | The author string for the family name. | nvarchar | YES | |
| taxonomy_family | alternate_name | altfamily | Alternate Family | The authorized alternative family name. | nvarchar | YES | |
| taxonomy_family | subfamily_name | subfamily | Subfamily | The name for a subfamily division of the family. | nvarchar | YES | |
| taxonomy_family | tribe_name | tribe | Tribe | The name for a tribe division of the family. | nvarchar | YES | |
| taxonomy_family | subtribe_name | subtribe | Subtribe | The name for a subtribe division of the family. | nvarchar | YES | |
| taxonomy_family | note | cmt | Note | Generic comments about the taxonomic family. | nvarchar | YES | |
| taxonomy_family | created_date | ** | Created Date | | datetime | NO | |
| taxonomy_family | created_by | ** | Created By | | int | NO | |
| taxonomy_family | modified_date | ** | Modified Date | | datetime | YES | |
| taxonomy_family | modified_by | ** | Modified By | | int | YES | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| taxonomy_family | owned_date | ** | Owned Date | | datetime | NO | |
| taxonomy_family | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| taxonomy_genus | Table of genera which includes accepted names and synonyms. It also includes all classification levels between the genus and species levels for grouping taxa. Intergeneric hybrids are flagged in a separate field so that the genus names sort properly. | | | | | | |
| taxonomy_genus | taxonomy_genus_id | gno | Genus ID | The taxonomy genus (and infragenus classification above the species level) primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| taxonomy_genus | current_taxonomy_genus_ | validgno | Current Taxonomy Genus Id | The genus key field for the valid genus or infragenus if this is a synonym (internal identifier generated by GRIN-Global, cannot be edited) - links to the taxonomy genus table. | int | YES | |
| taxonomy_genus | taxonomy_family_id | famno | Family ID | The taxonomic family or infrafamily key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the taxonomy family table. | int | YES | |
| taxonomy_genus | qualifying_code | qual | Qualifying Code | A code qualifying the genus name if the name is a synonym. Must be one of the values for the Code Group TAXONOMY_GENUS_QUALIFIER in the Code Value table. Examples: ~, =, =~, ? | nvarchar | YES | TAXONOMY_GENUS_QUALIFIER |
| taxonomy_genus | is_hybrid | ghybrid | Is Hybrid? | A TRUE/FALSE flag indicating this is a hybrid or graft-chimaera. | nvarchar | NO | |
| taxonomy_genus | genus_name | genus | Genus Name | The taxonomic genus name. | nvarchar | NO | |
| taxonomy_genus | genus_authority | gauthor | Genus Authority | The author string for the genus name. | nvarchar | YES | |
| taxonomy_genus | subgenus_name | subgenus | Subgenus Name | The name for a subgenus division of the genus. | nvarchar | YES | |
| taxonomy_genus | section_name | section | Section Name | The name for a section division of the genus. | nvarchar | YES | |
| taxonomy_genus | subsection_name | subsectio | Subsection Name | The name for a subection division of the genus. | nvarchar | YES | |
| taxonomy_genus | series_name | series | Series Name | The name for a series division of the genus. | nvarchar | YES | |
| taxonomy_genus | subseries_name | subseries | Subseries Name | The name for a subseries division of the genus. | nvarchar | YES | |
| taxonomy_genus | note | cmt | Note | Generic comments about the genus. | nvarchar | YES | |
| taxonomy_genus | created_date | ** | Created Date | | datetime | NO | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| taxonomy_genus | created_by | ** | Created By | | int | NO | |
| taxonomy_genus | modified_date | ** | Modified Date | | datetime | YES | |
| taxonomy_genus | modified_by | ** | Modified By | | int | YES | |
| taxonomy_genus | owned_date | ** | Owned Date | | datetime | NO | |
| taxonomy_genus | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| taxonomy_geogr | Table of species distributions. It serves as a link structure between the taxonomy_species table and the geography table. | | | | | | |
| taxonomy_geogr | taxonomy_geography_ma | | Taxonomy Geography Map ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| taxonomy_geogr | taxonomy_species_id | | Species ID | The species or infraspecies key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the taxonomy species table. | int | NO | |
| taxonomy_geogr | geography_id | | Geography ID | The geography key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the geography table. | int | YES | |
| taxonomy_geogr | geography_status_code | | Geography Status Code | A code qualifying the geographical distribution distribution record. Must be one of the values for the Code Group TAXONOMY_GEOGRAPHY_STATUS in the Code Value table. Examples: ADVENTIVE, NATIVE, UNCERTAIN, CULTIVATED. | nvarchar | YES | TAXONOMY_GEOGRAPHY_STATUS |
| taxonomy_geogr | note | | Note | Generic comments about the taxonomic geographic distribution. | nvarchar | YES | |
| taxonomy_geogr | created_date | ** | Created Date | | datetime | NO | |
| taxonomy_geogr | created_by | ** | Created By | | int | NO | |
| taxonomy_geogr | modified_date | ** | Modified Date | | datetime | YES | |
| taxonomy_geogr | modified_by | ** | Modified By | | int | YES | |
| taxonomy_geogr | owned_date | ** | Owned Date | | datetime | NO | |
| taxonomy_geogr | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| taxonomy_noxio | Table indicating whether the taxon is considered a noxious weed. | | | | | | |
| taxonomy_noxio | taxonomy_noxious_id | | Taxonomy Noxious Weed ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| taxonomy_noxio | taxonomy_species_id | | Species ID | The species or infraspecies key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the taxonomy species table. | int | NO | |
| taxonomy_noxio | geography_id | | Geography ID | The geography key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the geography table. | int | NO | |
| taxonomy_noxio | noxious_type_code | | Noxious Weed Category | A code qualifying the noxious weed category. Must be one of the values for the Code Group TAXONOMY_NOXIOUS_TYPE in the Code Value table. Examples: TURF, TERRAIN, SEEDED, AQUATIC. | nvarchar | NO | TAXONOMY_NOXIOUS_TYPE |
| taxonomy_noxio | noxious_level_code | | Noxious Weed Regulation Level | A code qualifying the noxious weed regulation level. Must be one of the values for the Code Group TAXONOMY_NOXIOUS_LEVEL in the Code Value table. Examples: A - D, PROHIBITED, RESTRICTED. | nvarchar | YES | TAXONOMY_NOXIOUS_LEVEL |
| taxonomy_noxio | URL | | URL Attachment | A URL attachment for the noxious weed record. | nvarchar | YES | |
| taxonomy_noxio | note | | Note | Generic comments on the taxonomic noxious weed table. | nvarchar | YES | |
| taxonomy_noxio | created_date | ** | Created Date | | datetime | NO | |
| taxonomy_noxio | created_by | ** | Created By | | int | NO | |
| taxonomy_noxio | modified_date | ** | Modified Date | | datetime | YES | |
| taxonomy_noxio | modified_by | ** | Modified By | | int | YES | |
| taxonomy_noxio | owned_date | ** | Owned Date | | datetime | NO | |
| taxonomy_noxio | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| taxonomy_speci | Table of taxa, for both currently accepted names and synonyms. All levels from species to forma are covered by this table. Cultivars are in the accession level (accession) table. Synonyms refer to accepted names in the same table through the valid taxonomy_species_id column. | | | | | | |
| taxonomy_speci | taxonomy_species_id | taxno | Species ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| taxonomy_speci | current_taxonomy_specie | validtaxno | Current Valid Species ID | The species key field for the valid species or infraspecies if this is a synonym (internal identifier generated by GRIN-Global, cannot be edited) - links to the taxonomy species table. | int | YES | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| taxonomy_speci | nomen_number | taxno | Nomen Number | The GRIN Classic taxonomic species number (taxno). | int | YES | |
| taxonomy_speci | is_specific_hybrid | shybrid | Interspecific Hybrid? | A code to indicate an interspecific hybrid within the genus. | nvarchar | NO | |
| taxonomy_speci | species_name | species | Species | The specific epithet of the taxonomic species name. | nvarchar | NO | |
| taxonomy_speci | species_authority | sauthor | Species Authority | The author string for the species name. | nvarchar | YES | |
| taxonomy_speci | is_subspecific_hybrid | ssphybrid | Subspecific Hybrid? | A code to indicate an intersubspecific hybrid within the species. | nvarchar | NO | |
| taxonomy_speci | subspecies_name | subsp | Subspecies | The subspecific epithet for the taxon. | nvarchar | YES | |
| taxonomy_speci | subspecies_authority | sspauthor | Subspecies Authority | The author string for the subspecies name. | nvarchar | YES | |
| taxonomy_speci | is_varietal_hybrid | varhybrid | Intervarietal Hybrid? | A code to indicate an intervarietal hybrid within the species. | nvarchar | NO | |
| taxonomy_speci | variety_name | var | Variety | The varietal epithet for the taxon. | nvarchar | YES | |
| taxonomy_speci | variety_authority | varauthor | Variety Authority | The author string for the varietal name. | nvarchar | YES | |
| taxonomy_speci | is_subvarietal_hybrid | svhybrid | Subvarietal Hybrid | A code to indicate an intersubvarietal hybrid within the species. | nvarchar | NO | |
| taxonomy_speci | subvariety_name | subvar | Subvariety | The subvarietal epithet for the taxon. | nvarchar | YES | |
| taxonomy_speci | subvariety_authority | svauthor | Subvarietal Authority | The author string for the subvarietal epithet. | nvarchar | YES | |
| taxonomy_speci | is_forma_hybrid | fhybrid | Forma Hybrid? | A code to indicate an interforma hybrid within the species. | nvarchar | NO | |
| taxonomy_speci | forma_rank_type | | Forma Rank | The rank indicator for the forma epithet. | nvarchar | YES | |
| taxonomy_speci | forma_name | forma | Forma Name | The forma or other unranked (example: race) epithet for the taxon. | nvarchar | YES | |
| taxonomy_speci | forma_authority | fauthor | Forma Authority | The author string for the forma or other epithet. | nvarchar | YES | |
| taxonomy_speci | taxonomy_genus_id | gno | Genus ID | The genus or infragenus identifier to indicate the generic or infrageneric classification of the taxon. | int | NO | |
| taxonomy_speci | priority1_site_id | psite1 | First Maintenance Site | The priority maintenance site key field of the institute where the accession is maintained (internal identifier generated by GRIN-Global, cannot be edited) - links to the site table. | int | YES | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| taxonomy_speci | priority2_site_id | psite2 | Second Maintenance Site | The second priority maintenance site key field of the institute where the accession is maintained (internal identifier generated by GRIN-Global, cannot be edited) - links to the site table. | int | YES | |
| taxonomy_speci | curator1_cooperator_id | | Primary Curator ID | The cooperator key field indicating the primary curator at the maintenance institute (internal identifier generated by GRIN-Global, cannot be edited) - links to thecooperator table. . | int | YES | |
| taxonomy_speci | curator2_cooperator_id | | Secondary Curator ID | The cooperator key field indicating the secondary curator at the maintenance institute (internal identifier generated by GRIN-Global, cannot be edited) - links to the cooperator table. | int | YES | |
| taxonomy_speci | restriction_code | rest | Restriction | Restrictions on the taxon that may affect distributions of accessions. Must be one of the values for the Code Group TAXONOMY_RESTRICTION in the Code Value table. Examples: NARCOTIC, NOXIOUS WEED, RARE, ENDANGERED. | nvarchar | YES | |
| taxonomy_speci | life_form_code | lifeform | Life Form | The normal life form of the species. Must be one of the values for the Code Group ACCESSION_LIFE_FORM in the Code Value table. Examples: ANNUAL, BIENNIAL, PERENNIAL. | nvarchar | YES | ACCESSION_LIFE_FORM |
| taxonomy_speci | common_fertilization_cod | fert | Common Fertilization | The type of fertilization that is common in this species. Must be one of the values for the Code Group TAXONOMY_FERTILIZATION_METH( in the Code Value table. Examples: INSECT, WIND, SELF-POLLINATED. | nvarchar | YES | TAXONOMY_FERTILIZATION_METHOI |
| taxonomy_speci | is_name_pending | pending | Name Pending? | A TRUE/FALSE flag to indicating the status of the name is in question. | nvarchar | NO | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| taxonomy_speci | synonym_code | qual | Synonym Code | A code to indicate the type of synonym. Must be one of the values for the Code Group TAXONOMY_SPECIES_QUALIFIER in the Code Value table. Examples: BASIONYM, HOMOTYPIC SYNONYM, HETEROTYPIC SYNONYM. | nvarchar | YES | TAXONOMY_SPECIES_QUALIFIER |
| taxonomy_speci | verifier_cooperator_id | cno | Name Verifying Cooperator | The cooperator key field indicating the person who verified this name (internal identifier generated by GRIN-Global, cannot be edited) - links to the cooperator table. | int | YES | |
| taxonomy_speci | name_verified_date | verified | Name Verification Date | The date the name was verified. | datetime | YES | |
| taxonomy_speci | name | taxon | Name | The binomial or trinomial representation of the taxon name. | nvarchar | YES | |
| taxonomy_speci | name_authority | taxauthor | Name Authority | The author string for the lowest ranking part of the taxon name. | nvarchar | YES | |
| taxonomy_speci | protologue | protologue | Protologue | The original literature reference for the species. | nvarchar | YES | |
| taxonomy_speci | note | taxcmt | Note | Generic comments about the taxonomic species. | nvarchar | YES | |
| taxonomy_speci | site_note | sitecmt | Site Note | General remarks about the taxonomic species or infraspecies provided by the maintenance institute. | nvarchar | YES | |
| taxonomy_speci | alternate_name | othname | Alternate name | An alternative Group name for this taxon under the International Code of Nomenclature for Cultivated Plants. | nvarchar | YES | |
| taxonomy_speci | created_date | ** | Created Date | | datetime | NO | |
| taxonomy_speci | created_by | ** | Created By | | int | NO | |
| taxonomy_speci | modified_date | ** | Modified Date | | datetime | YES | |
| taxonomy_speci | modified_by | ** | Modified By | | int | YES | |
| taxonomy_speci | owned_date | ** | Owned Date | | datetime | NO | |
| taxonomy_speci | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| **taxonomy_use** | **Table of the economic uses of the taxa. It follows the standards set by the International Working Group on Plant Taxonomic Databases (TDWG).** | | | | | | |
| taxonomy_use | taxonomy_use_id | | Taxonomy Use Id | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| taxonomy_use | taxonomy_species_id | taxno | Species ID | The species or infraspecies key field that indicates the species taxonomy for the economic usage (internal identifier generated by GRIN-Global, cannot be edited) - links to the taxonomy species table. | int | NO | |
| taxonomy_use | economic_usage_code | usage | Economic Use | The economic usage primary category from the International Working Group on Plant Taxonomic Databases (TDWG). Must be one of the values for the Code Group CITATION_TYPE in the Code Value table. Examples: FORAGE, FOOD, MEDICINE. | nvarchar | NO | CITATION_TYPE |
| taxonomy_use | usage_type_code | usetype | Usage Type | The economic usage secondary category from the International Working Group on Taxonomoic Databases (TDWG). Must be one of the values for the Code Group ACTIVE_SITE in the Code Value table. | nvarchar | YES | ACTIVE_SITE |
| taxonomy_use | plant_part_code | | Plant Part | The part of plant utilized for the specified economic usage. Must be one of the values for the Code Group TAXONOMY_PLANT_PART in the Code Value table. Examples: FLOWER/FRUIT, STEM, LEAVES, ROOTS. | nvarchar | YES | TAXONOMY_PLANT_PART |
| taxonomy_use | note | cmt | Note | Generic comments about the usage of the species. | nvarchar | YES | |
| taxonomy_use | created_date | ** | Created Date | | datetime | NO | |
| taxonomy_use | created_by | ** | Created By | | int | NO | |
| taxonomy_use | modified_date | ** | Modified Date | | datetime | YES | |
| taxonomy_use | modified_by | ** | Modified By | | int | YES | |
| taxonomy_use | owned_date | ** | Owned Date | | datetime | NO | |
| taxonomy_use | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| web_cooperator | Table of cooperators who have created accounts for the GRIN-Global Public Website. | | | | | | |
| web_cooperator | web_cooperator_id | * | Web Cooperator | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| web_cooperator | last_name | * | Last Name | The last name of the cooperator. | nvarchar | YES | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| web_cooperator | title | * | Title | The title of the cooperator. | nvarchar | YES | |
| web_cooperator | first_name | * | First Name | The first name of the cooperator. | nvarchar | YES | |
| web_cooperator | job | * | Job | The job of the cooperator. | nvarchar | YES | |
| web_cooperator | organization | * | Organization | The organization of the cooperator. | nvarchar | YES | |
| web_cooperator | organization_code | * | Organization Code | The organization code of the cooperator. | nvarchar | YES | |
| web_cooperator | address_line1 | * | Address Line 1 | The first line of address of the cooperator. | nvarchar | YES | |
| web_cooperator | address_line2 | * | Address Line 2 | the second line of address of the cooperator | nvarchar | YES | |
| web_cooperator | address_line3 | * | Address Line 3 | The third line of address of the cooperator. | nvarchar | YES | |
| web_cooperator | city | * | City | The city of teh cooperator. | nvarchar | YES | |
| web_cooperator | postal_index | * | Postal Index | The postal index of the cooperator | nvarchar | YES | |
| web_cooperator | geography_id | * | Geography ID | The internal geographic identifier to indicate the alternate country and state of the cooperator. | int | YES | |
| web_cooperator | primary_phone | * | Primary Phone | The primary phone of the cooperator. | nvarchar | YES | |
| web_cooperator | secondary_phone | * | Secondary Phone | The secondary phone of the cooperator | nvarchar | YES | |
| web_cooperator | fax | * | Fax | The fax number of the cooperator. | nvarchar | YES | |
| web_cooperator | email | * | Email | The email address of the cooperator. | nvarchar | YES | |
| web_cooperator | is_active | * | Cooperator information is current | A TRUE/FALSE flag indicating that the cooperator's information is current. | nvarchar | NO | |
| web_cooperator | category_code | * | Category Code | Must be one of the values for the Code Group COOPERATOR_CATEGORY in the Code Value table. General categories for grouping cooperators by national or international affiliation. It is mainly used for management queries (e.g., annual distribution report). Examples: INT, FPRU, STA, UARS | nvarchar | YES | COOPERATOR-CATEGORY |
| web_cooperator | organization_region | * | Organization Region | Must be one of the values for the Code Group ORGANIZATION_REGION in the Code Value table. A code for the organizational region (The ARS region where the cooperator is located if in the United States). Examples: BA, HDQ, SAA | nvarchar | YES | ORGANIZATION_REGION |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| web_cooperator | discipline | * | Scientific Discipline | The scientific discipline of the cooperator | nvarchar | YES | |
| web_cooperator | initials | * | Initials | The initials of the cooperator. | nvarchar | YES | |
| web_cooperator | note | * | Note | General remarks about the cooperator | nvarchar | YES | |
| web_cooperator | created_date | ** | Created Date | | datetime | NO | |
| web_cooperator | created_by | ** | Created By | | int | NO | |
| web_cooperator | modified_date | ** | Modified Date | | datetime | YES | |
| web_cooperator | modified_by | ** | Modified By | | int | YES | |
| web_cooperator | owned_date | ** | Owned Date | | datetime | NO | |
| web_cooperator | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| web_order_requ | Table maintaining any request submitted by a public user. | | | | | | |
| web_order_requ | web_order_request_id | * | Web Order Request ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| web_order_requ | web_cooperator_id | * | Cooperator ID | The cooperator key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the cooperator table. | int | YES | |
| web_order_requ | ordered_date | * | Date Ordered | The date of the web order request. | datetime | YES | |
| web_order_requ | intended_use_code | * | Intended Use | A code indicating the intended use of the material requested. Must be one of the values for the Code Group ORDER_INTENDED_USE in the Code Value table. Examples: RESEARCH, EDUCATION, HOME, REPATRIATION. | nvarchar | YES | WEB_ORDER_INTENDED_USE |
| web_order_requ | intended_use_note | * | Intended Use Note | General remarks about the intended use of the web order request. | nvarchar | YES | |
| web_order_requ | status_code | * | Status | The current status of the item within the web order. Each web order item can have a different status. Must be one of the values for the Code Group WEB_ORDER_REQUEST_ITEM_STA in the Code Value table. | nvarchar | YES | WEB_ORDER_REQUEST_ITEM_STATU |
| web_order_requ | note | * | Note | General remarks about the web order request. | nvarchar | YES | |
| web_order_requ | special_instruction | * | Special Instructions | Special instructions for the web order request. | nvarchar | YES | |
| web_order_requ | created_date | ** | Created Date | | datetime | NO | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| web_order_requ | created_by | ** | Created By | | int | NO | |
| web_order_requ | modified_date | ** | Modified Date | | datetime | YES | |
| web_order_requ | modified_by | ** | Modified By | | int | YES | |
| web_order_requ | owned_date | ** | Owned Date | | datetime | NO | |
| web_order_requ | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| web_order_requ | Table of all actions performed on a GG Public Website order. | | | | | | |
| web_order_requ | web_order_request_actio | * | Web Order Request Action ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| web_order_requ | web_order_request_id | * | Web Order Request ID | The web order request key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the web order request table. | int | NO | |
| web_order_requ | action_code | * | Action | The type of action taken on the order. Must be one of the values for the Code Group WEB_ORDER_REQUEST_ACTION in the Code Value table. | nvarchar | NO | WEB_ORDER_REQUEST_ACTION |
| web_order_requ | acted_date | * | Acted Date | The date of the web order action. | datetime | NO | |
| web_order_requ | action_for_id | * | Action For ID | | nvarchar | YES | |
| web_order_requ | note | * | Note | General remarks about the web order request action. | nvarchar | YES | |
| web_order_requ | web_cooperator_id | * | Cooperator ID | | int | YES | |
| web_order_requ | created_date | ** | Created Date | | datetime | NO | |
| web_order_requ | created_by | ** | Created By | | int | NO | |
| web_order_requ | modified_date | ** | Modified Date | | datetime | YES | |
| web_order_requ | modified_by | ** | Modified By | | int | YES | |
| web_order_requ | owned_date | ** | Owned Date | | datetime | NO | |
| web_order_requ | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| web_order_requ | | | | | | | |
| web_order_requ | web_order_request_addre | * | Web Order Request Address ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| web_order_requ | web_order_request_id | * | Web Order Request ID | The web order request key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the web order request table. | int | NO | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| web_order_requ | address_line1 | * | Address Line 1 | The first line of address for the web order request address. | nvarchar | YES | |
| web_order_requ | address_line2 | * | Address Line 2 | The second line of address for the web order request address. | nvarchar | YES | |
| web_order_requ | address_line3 | * | Address Line 3 | The third line of address for the web order request address. | nvarchar | YES | |
| web_order_requ | city | * | City | The city for the web order request address. | nvarchar | YES | |
| web_order_requ | postal_index | * | Postal index | The postal index for the web order request address. | nvarchar | YES | |
| web_order_requ | geography_id | * | Geography ID | The internal geographic identifier to indicate the alternate country and state of the cooperator. | int | YES | |
| web_order_requ | carrier | * | Carrier | The carrier used by the web order requestor. | nvarchar | YES | |
| web_order_requ | carrier_account | * | Carrier Account | The account number fo the carrier used by the web order requestor. | nvarchar | YES | |
| web_order_requ | created_date | ** | Created Date | | datetime | NO | |
| web_order_requ | created_by | ** | Created By | | int | NO | |
| web_order_requ | modified_date | ** | Modified Date | | datetime | YES | |
| web_order_requ | modified_by | ** | Modified By | | int | YES | |
| web_order_requ | owned_date | ** | Owned Date | | datetime | NO | |
| web_order_requ | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| web_order_requ | | | | | | | |
| web_order_requ | web_order_request_attac | * | Web Order Request Attachment ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| web_order_requ | web_cooperator_id | * | Cooperator ID | The cooperator key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the cooperator table. | int | NO | |
| web_order_requ | web_order_request_id | * | Web Order Request ID | The web order request key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the web order request table. | int | NO | |
| web_order_requ | virtual_path | * | URL Virtual Path | The pathname of the web order request attachment. A complete URL must be supplied when a remote server is used. | nvarchar | NO | |
| web_order_requ | content_type | * | Content Type | The content type of the web order request attachment. | nvarchar | YES | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| web_order_requ | title | * | Title | The title of the web order request title. | nvarchar | YES | |
| web_order_requ | status | * | Request Status | The status of the web order request. | nvarchar | YES | |
| web_order_requ | note | * | Note | General remarks about the web order request attachment. | nvarchar | YES | |
| web_order_requ | created_date | ** | Created Date | | datetime | NO | |
| web_order_requ | created_by | ** | Created By | | int | NO | |
| web_order_requ | modified_date | ** | Modified Date | | datetime | YES | |
| web_order_requ | modified_by | ** | Modified By | | int | YES | |
| web_order_requ | owned_date | ** | Owned Date | | datetime | NO | |
| web_order_requ | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| web_order_requ | | | | | | | |
| web_order_requ | web_order_request_item_ | * | Web Order Request Item ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| web_order_requ | web_cooperator_id | * | Cooperator ID | The cooperator key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the cooperator table. | int | NO | |
| web_order_requ | web_order_request_id | * | Web Order Request ID | The web order request key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the web order request table. | int | NO | |
| web_order_requ | sequence_number | * | Sequence Number | The web order request item sequence number. | int | NO | |
| web_order_requ | accession_id | * | Accession ID | The accession request key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the accession table. | int | NO | |
| web_order_requ | name | * | Accession Name | The accession name of the web order request item. | nvarchar | YES | |
| web_order_requ | quantity_shipped | * | Quantity Shipped | The quantity shipped of the web order request item | int | YES | |
| web_order_requ | unit_of_shipped_code | * | Shipping Units | The units for the quantity of the order request item. Must be one of the values for the Code Group WEB_UNIT_OF_QUANTITY in the Code Value table. Examples: count, grams, packets. | nvarchar | YES | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| web_order_requ | distribution_form_code | * | Distribution Form | The propagule form of the order item. Must be one of the values for the Code Group GERMPLASM_FORM in the Code Value table. Examples: budwood, cutting, DNA, seed. | nvarchar | YES | GERMPLASM_FORM |
| web_order_requ | status_code | * | Status Code | The current status of the item within the order. Each order item can have a different status. Must be one of the values for the Code Group ORDER_REQUEST_ITEM_STATUS in the Code Value table.WEB_ | nvarchar | YES | |
| web_order_requ | curator_note | * | Curator Note | General curator remarks about the web order request item. | nvarchar | YES | |
| web_order_requ | user_note | * | User Note | General user remarks about the web order request item. | nvarchar | YES | |
| web_order_requ | created_date | ** | Created Date | | datetime | NO | |
| web_order_requ | created_by | ** | Created By | | int | NO | |
| web_order_requ | modified_date | ** | Modified Date | | datetime | YES | |
| web_order_requ | modified_by | ** | Modified By | | int | YES | |
| web_order_requ | owned_date | ** | Owned Date | | datetime | NO | |
| web_order_requ | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| **web_user** | | | | | | | |
| web_user | web_user_id | * | Web User ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| web_user | user_name | * | User Name | The user name for the web cooperator. | nvarchar | NO | |
| web_user | password | * | Password | The password for the web user. | nvarchar | NO | |
| web_user | is_enabled | * | User is Enabled | A TRUE/FALSE flag indicating that the web user id is enabled. | nvarchar | NO | |
| web_user | sys_lang_id | * | System Language ID | The internal system language identifier which serves as a link to the system language table indicating the actual language used (1 = English, 2 = Spanish, 3 = French, 4 = Arabic, 5 = Russian, 6 = Portuguese). | int | NO | |
| web_user | last_login_date | * | Last Login Date | The date of the last logon of the web user. | datetime | YES | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| web_user | web_cooperator_id | * | Web Cooperator ID | The cooperator key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the cooperator table. | int | YES | |
| web_user | created_date | ** | Created Date | | datetime | NO | |
| web_user | modified_date | ** | Modified Date | | datetime | YES | |
| | | | | | | | |
| **web_user_cart** | | | | | | | |
| web_user_cart | web_user_cart_id | * | Web User Cart ID | The web user cart key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the web user cart table. | int | NO | |
| web_user_cart | web_user_id | * | Web User ID | The web user key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the web user table. | int | NO | |
| web_user_cart | cart_type_code | * | Cart Type | The cart type of the web user cart. Must be one of the values for the Code Group CART_TYPE in the Code Value table. | nvarchar | NO | CART_TYPE |
| web_user_cart | expiration_date | * | Expiration Date | The expiration date of the web user cart. | datetime | NO | |
| web_user_cart | created_date | ** | Created Date | | datetime | NO | |
| web_user_cart | created_by | ** | Created By | | int | NO | |
| web_user_cart | modified_date | ** | Modified Date | | datetime | YES | |
| web_user_cart | modified_by | * | Modified By | | int | YES | |
| web_user_cart | owned_date | * | Owned Date | | datetime | NO | |
| web_user_cart | owned_by | * | Owned By | | int | NO | |
| | | | | | | | |
| **web_user_cart_i** | **web_user_cart_item_id** | | | | | | |
| web_user_cart_i | web_user_cart_item_id | * | Web User Cart Item ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| web_user_cart_i | web_user_cart_id | * | Web User Cart ID | The web user cart key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the web user cart table. | int | NO | |
| web_user_cart_i | accession_id | * | Accession ID | The accession key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the accession table. | int | NO | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| web_user_cart_i | quantity | * | Quantity | The quantity for the web user cart item. | int | NO | |
| web_user_cart_i | form_type_code | * | Form Type | The propagule form of the order item. Must be one of the values for the Code Group GERMPLASM_FORM in the Code Value table. Examples: BUDWOOD, CUTTING, DNA, SEED. | nvarchar | NO | GERMPLASM_FORM |
| web_user_cart_i | note | * | Note | General remarks about the web user cart item. | | | |
| web_user_cart_i | created_date | ** | Created Date | | datetime | NO | |
| web_user_cart_i | created_by | ** | Created By | | int | NO | |
| web_user_cart_i | modified_date | ** | Modified Date | | datetime | YES | |
| web_user_cart_i | modified_by | ** | Modified By | | int | YES | |
| web_user_cart_i | owned_date | ** | Owned Date | | datetime | NO | |
| web_user_cart_i | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| web_user_prefe | | | | | | | |
| web_user_prefe | web_user_preference_id | * | Web User Preference ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |
| web_user_prefe | web_user_id | * | Web User ID | The web user key field (internal identifier generated by GRIN-Global, cannot be edited) - links to the web user table. | int | NO | |
| web_user_prefe | preference_name | * | Preference Name | The preference name. | nvarchar | NO | |
| web_user_prefe | preference_value | * | Preference Value | The preference value. | nvarchar | NO | |
| web_user_prefe | created_date | ** | Created Date | | datetime | NO | |
| web_user_prefe | created_by | ** | Created By | | int | NO | |
| web_user_prefe | modified_date | ** | Modified Date | | datetime | YES | |
| web_user_prefe | modified_by | ** | Modified By | | int | YES | |
| web_user_prefe | owned_date | ** | Owned Date | | datetime | NO | |
| web_user_prefe | owned_by | ** | Owned By | | int | NO | |
| | | | | | | | |
| web_user_shipp | | | | | | | |
| web_user_shipp | web_user_shipping_addre | | Web User Shipping Address | | int | NO | |
| web_user_shipp | web_user_id | * | Web User ID | Table's primary key (PK) field. (Auto-generated by GRIN-Global, cannot be edited.) | int | NO | |

| Table | Field Name | GRIN Field Name | Display Name (English Friendly Name) | Definition / Usage / Examples (Code/Values) | Data Type | Nullable | Refers to Code Group |
|---|---|---|---|---|---|---|---|
| | | | | Click to review Code Values | | | |
| web_user_shipp | address_name | * | Name | The name of the web user shipping address. | nvarchar | NO | |
| web_user_shipp | address_line1 | * | Address Line 1 | The web user shipping address line 1. | nvarchar | NO | |
| web_user_shipp | address_line2 | * | Address Line 2 | The web user shipping address line 2. | nvarchar | YES | |
| web_user_shipp | address_line3 | * | Address Line 3 | The web user shipping address line 3. | nvarchar | YES | |
| web_user_shipp | city | * | City | The city of the web user shipping address | nvarchar | NO | |
| web_user_shipp | postal_index | * | Postal Index | The postal index of the web user shipping address. | nvarchar | NO | |
| web_user_shipp | geography_id | * | Geography ID | The internal geographic identifier to indicate the alternate country and state of the cooperator. | int | NO | |
| web_user_shipp | is_default | * | Is Default | A TRUE/FALSE flag indicating that the web user shipping address is current. | nvarchar | YES | |
| web_user_shipp | created_date | ** | Created Date | | datetime | NO | |
| web_user_shipp | created_by | ** | Created By | | int | NO | |
| web_user_shipp | modified_date | ** | Modified Date | | datetime | YES | |
| web_user_shipp | modified_by | ** | Modified By | | int | YES | |
| web_user_shipp | owned_date | ** | Owned Date | | datetime | NO | |
| web_user_shipp | owned_by | ** | Owned By | | int | NO | |