

# GRIN-Global Server Release Notes (Archive)

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## Revision Date

September 16, 2021

## Versions 1.9.1 – 1.10.6.1

January 20, 2020 → July, 2014

For recent releases, see [https://www.grin-global.org/docs/Server\\_Release\\_Notes.pdf](https://www.grin-global.org/docs/Server_Release_Notes.pdf)

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## Author

Martin Reisinger

Please contact [marty.reisinger@usda.gov](mailto:marty.reisinger@usda.gov) with any questions pertaining to this document.

## Abbreviations Used

- CWR Crop Wild Relative
- CT Curator Tool
- GG GRIN-Global
- PW Public Website
- SE Search Engine
- ST Search Tool

### 1.10.6.1

Released January 31, 2020

Trac Ticket #	Category	Description / Notes
<a href="#">1960</a>	Middle Tier	Addressed the web order email failure that was introduced in 1.10.6. The error occurred due to a trailing semicolon used in the To: address by the Public Website Order page. The <b>Email.Send</b> method was changed to check for empty addresses after splitting the address on semicolons.

## 1.10.6

Released January 25, 2020

Trac Ticket #	Category	Description / Notes
<a href="#">1158</a>	Order Wizard Dataview	An OW dataview was added for future CT implementation: Expand the List of Cooperators to Identify a Potential Match w/ the Web Cooperator
<a href="#">1166</a>	Order Wizard Dataview	An OW dataview was added for future CT implementation: Make all addresses from an order visible
<a href="#">1844</a>	Public Website	A new COURIER group with codes was designed for the order form. The page <b>order.aspx.cs</b> now uses codes from the COURIER group to populate the dropdown list.
<a href="#">1885</a>	Schema	<p>changes to taxonomy noxious We are adding plant regulatory data to the taxonomy_noxious table at the request of curators to flag material that can't be shipped to certain USA states. Hawaii regulates entire families, including Orchidaceae and Bromeliaceae, which have many genera and species. It isn't feasible to enter them using species ID records.</p> <p>A field was added for Extended Family (to use the primary key from taxonomy_family) and a field for Extended Genus (to use the primary key from taxonomy_genus). This parallels what is used in the common name table and allows entering families (including subfamilial records) and genera (including subgeneric records) without relying on Genus spp., our current approach for indicating that a whole genus is regulated.</p>
<a href="#">1893</a>	Database Installer	Developed a custom dialog box for the database installer to clarify the choices. Improved the dialog when updating sys_ tables during a GG database upgrade.
<a href="#">1896</a>	Schema: Table added	A taxonomy_crop table was added so that the Crop Wild Relatives (CWR) table can use a lookup to pull in the crop name. Fields include ID (primary key), taxonomy_species_id (fkey from taxonomy_species), crop_common_name, and note.
<a href="#">1900</a>	Codes	Added six new codes for codes in the ORDER_INTENDED_USE group. Since these codes are for internal use only, they will not be visible on the Public Website as choices for external requestors.
	Schema: Tables added;	

Trac Ticket #	Category	Description / Notes
<a href="#">1906</a>	other tables modified	<p>This ticket covers two tables:</p> <ul style="list-style-type: none"> <li>• <b>taxonomy_regulation</b> contains regulations and levels, per geographic region</li> <li>• <b>taxonomy_regulation_map</b> cross-references a family, genus, or species to one or more regulations.</li> </ul> <p>The NARCOTIC restriction code has been added to regulation_type (the data was moved from taxonomy_species, used for three taxa of Papaver somnifera). Also, CITESI, II, III, and FWE and FWT were moved from taxonomy_use to regulation_type. Moving these code values will allow all regulation data to be stored in one table. The taxonomy_noxious table was replaced by the new taxonomy_regulation table.</p>
<a href="#">1915</a>	Middle Tier (Server)	<i>Federal Information Processing Standards (FIPS) validated cryptography was implemented in order for the NPGS server to operate in a strict Defense Information Systems Agency (DISA) DISA Security Technical Implementation Guides (STIG) environment without getting errors such as: "...This implementation is not part of the Windows Platform FIPS validated cryptographic algorithms."</i>
<a href="#">1916</a>	Mail	Enhanced the email subsystem to properly queue mail and use a more modern SMTP configuration. This enabled mail to use a GMail account to send mail by including the account and password parameters in Web.Config.
<a href="#">1918</a>	Public Website: Observations	Changed the dataview so that regardless of the exports option selected by the user, the output consistently includes both the observation code values and their descriptions.
<a href="#">1920</a>	Public Website: Observations	3 PW dataviews were modified to correct two bugs: 1) the PW did not honor the <b>is_archived</b> flag at observation level. Individual observations flagged as is_archived were displaying when you go down the trait menu. (2) the PW did not honor the is_archived flag at the trait level either.
<a href="#">1922</a>	Schema Upgrade	When doing an in-place database upgrade with the DB installer, update taxonomy and geography tables if taxonomy data is selected with the Updater. Preserve the taxonomy Primary Key IDs if possible, optionally renumbering locally added taxonomy.
<a href="#">1924</a>	Schema Upgrade	Added tables taxonomy_crop, taxonomy_crop_cwr, and taxonomy_crop_cwr_trait

Trac Ticket #	Category	Description / Notes
<a href="#">1927</a>	Database Installer ("Updater")	Added the capability to create views to the database installer. The Updater can now read the view creation SQL when filling TableInfo class and save the data in the schema.xml file used by the installer which can run the SQL when installing.
<a href="#">1928</a>	Middle Tier	Corrected a DatabaseCopier failure to export to files properly when the DatabaseCopier is used to copy from a database to files (XML). I would write SQL to a Preview window without writing the output files.
<a href="#">1930</a>	Database View	<p>The get_inventory dataview has been unable to query on calculated fields such as <b>Pure Live Seed</b> and <b>Percent Viable</b>. This was resolved by creating a database view for inventory-related calculated fields and making use of that for non base table fields in the get_inventory dataview. Nine fields are now handled differently in the get_inventory dataview and can be used in searches:</p> <ul style="list-style-type: none"> <li>site_id</li> <li>taxonomy_species_id</li> <li>geography_id</li> <li>plant_name</li> <li>inv_name</li> <li>percent_viable</li> <li>tested_date</li> <li>pure_live_seed</li> <li>inventory_id_string</li> </ul>
<a href="#">1931</a>	Admin Tool	Enhanced the Admin Tool so that when Default Mappings are generated on a new table, the AT will fill in the appropriate Lookup Picker Source information for foreign keys, using the default value based on the table name of the foreign key.
<a href="#">1932</a>	Database Updater	<p>Removed the "feature" where the Updater dropped the previous version of the database when installing a new release. If an administrator really wants to start fresh, she can manually drop the database.</p> <p>Note that upgrading from a server version before 1.10.6 will likely drop the database as the previous version will drop the database when it uninstalls.</p>
<a href="#">1933</a>	Public Website	Removed the ~ in the link in web_accessiondetail_pedigree. The ~ was not being recognized in the cloud as being the root of the PW.
<a href="#">1934</a>	Server	The code_value and code_value_lang tables on the build box were completely refreshed by deleting the old set of data and importing current data from npgsweb.

Trac Ticket #	Category	Description / Notes
<a href="#">1935</a>	Server	Modified the database copier command line /export option to optionally include a list of tables to export.
<a href="#">1939</a>	Search Engine	Added <b>ORDER BY</b> and <b>COLLATE</b> keyword recognition to the Search Engine SQL grammar so that these terms will be recognized as valid in SQL Select statements.
<a href="#">1942</a>	Public Website	Fixed broken image icon under the GRIN-Global logo
<a href="#">1946</a>	Codes	A new taxonomy synonym code "I" for "Invalid" was added to the TAXONOMY_SPECIES_QUALIFIER Code Group for invalid designations. The taxonomy detail page will be able to reflect this new code.
<a href="#">1948</a>	Dataview	For consistency with other dataviews, the heading (friendly name) for the Order Request Item Action Dataview ID field was changed from "Order Request Action ID" to "Order Request Item Action ID."

## 1.10.5

Released 2019, July 5

Trac Ticket #	Category	Description / Notes
<a href="#">943</a>	Dataview	The <b>Literature</b> dataview was moved from the <b>Other</b> area to the <b>Citation</b> area (to make the dataview easier to locate).
<a href="#">1226</a>	Taxonomy / Public Website (PW)	In the Taxonomy Advanced Query (not Simple Query) of a synonym, the results displayed on the taxon page for the name being queried will be the synonym, not its correct name. For example, a search on <i>Nymphaea americana</i> will display the page for that name ( <a href="https://npgsweb.ars-grin.gov/gringlobal/taxonomydetail.aspx?id=416114">https://npgsweb.ars-grin.gov/gringlobal/taxonomydetail.aspx?id=416114</a> )
<a href="#">1232</a>	Public Website	The Public Website now presents a required category drop down for PW user to choose. This entails a change to the interface, the code, and a dataview. (NPGS will not see this feature; it is turned off via the web.config flag: <add key="RequireCategory" value="false"/>)
<a href="#">1267</a>	Dataview	<b>Inventory Viability Rule Map</b> dataview was configured to properly use the appropriate lookups.
<a href="#">1305</a>	Dataview	The <b>Name</b> field is now configured to always be the accession top name and not the inventory top name.
<a href="#">1367</a>	Dataview	The <b>Inventory Name</b> column was included in the <b>get_order_request_item</b> dataview.
<a href="#">1535</a>	Taxonomy / PW	The links to the Kew Bibliographic Database were reformatted and now properly reference the KBD (which had changed).
<a href="#">1549</a>	Taxonomy / PW	The search display pages for Advanced Query of Taxonomy and for the <b>taxonomydetail.aspx</b> were modified to work with autonyms.
<a href="#">1687</a>	Taxonomy / PW	The taxonomy detail.aspx page was corrected so that the "Other Conspecific Taxa" section does not appear when the main taxon is a synonym.
<a href="#">1688</a>	Taxonomy / PW	On the list of species from an advanced query on a genus, the extra space after "spp." or "hybr." was removed when a name is a synonym.
<a href="#">1731</a>	Taxonomy / PW	The link code was modified on the <b>taxonomydetail.cs</b> to add links properly for Shenzhen ICN
<a href="#">1791</a>	Taxonomy / PW	The list of crop taxa on the results page of a Crop Wild Relatives (CWR) search is now sorted by scientific name and includes the rank terms.



Trac Ticket #	Category	Description / Notes
<a href="#">1794</a>	Taxonomy / PW	Code was changed in <b>taxonomydetail.cs</b> so that the Economic Use Note is not repeated when there is only one entry.
<a href="#">1795</a>	Taxonomy / PW	On the Families and Genera search page, when family names are entered, the search now consider them first, not ignore them, when a genus search string is also entered.
<a href="#">1796</a>	Taxonomy / PW	Genus synonym can now accept the hybrid symbol.
<a href="#">1797</a>	Taxonomy / PW	The hybrid symbol now displays in the genus synonym list when the genus is a hybrid.
<a href="#">1798</a>	Taxonomy / PW	"\" notation was converted into bullet points with line breaks on all the taxonomy pages.
<a href="#">1802</a>	Taxonomy / PW	Corrected taxonomydetail and web_taxonomyspecies_summary pages so that "NAME NOT VERIFIED" displays in all cases when the name_verified_date column is null.
<a href="#">1806</a>	Taxonomy / PW	The <b>webquery.aspx</b> and its .cs were changed in order to display the file name after loading it.
<a href="#">1811</a>	Taxonomy / Dataview	The SQL for the <b>taxonomy_species_citation_lookup</b> was modified.
<a href="#">1818</a>	Taxonomy / PW	The format of the references on the PW <b>taxonomydetail.aspx</b> was changed.
<a href="#">1826</a>	Public Website	The Mapping feature on the Public Website now uses Leaflet, an open source tool, (instead of Google Maps), for mapping accession origins.
<a href="#">1827</a>	Taxonomy / Dataview	add non-Latin alphabet field to taxonomy common name table  The <b>get_taxonomy_common_name</b> dataview was modified. A column was added: <b>Alternate_Transcription</b> . The name was chosen to make it more generic for other genebanks who might not be using the names in the same manner.
<a href="#">1828</a>	Dataview	The <b>Geography</b> dataview was modified to display the <b>adm1_abbrev</b> , <b>adm2_abbrev</b> , <b>adm3_abbrev</b> , and <b>adm4_abbrev</b> fields.
<a href="#">1829</a>	Public Website	Recent changes in previous releases made it possible to display multiple forms. This change corrects the display so that only form types display which have both flags, <b>is_available</b> and <b>is_distributable</b> , set to "Y."

Trac Ticket #	Category	Description / Notes
<a href="#">1831</a>	Dataview	<b>Taxon</b> was added to the <b>Inventory Viability</b> and <b>Inventory Viability Data</b> Dataviews
<a href="#">1836</a>	Public Website	Accession citations were modified to use standard_abbreviation when the citation is not null. Also, sorted by author.
<a href="#">1849</a>	Public Website	Added back the missing friendly names in 4 four web application dataviews' lost in server release 1.10.4.
<a href="#">1850</a>	Taxonomy / PW	The format of the taxonomy genus citations references on the <b>taxonomygenus.aspx</b> were changed.
<a href="#">1851</a>	Taxonomy / PW	The format of the taxonomy family citations references on the <b>taxonomyfamily.aspx</b> were changed.
<a href="#">1853</a>	Taxonomy / PW	Updated the Google Scholar link and logo on two taxonomy pages, <b>taxonomygenus</b> and <b>taxonomyfamily</b> .
<a href="#">1859</a>	Taxonomy / PW	A link for DOIs in citations for the taxonomy pages (family, genus, species) was enabled. Data in the DOI field in the citation table have been standardized to the raw DOI.
<a href="#">1860</a>	Taxonomy / PW	On the CWR search results, the display of quadrinomials was modified so that only genus + species and the lowest ranked name (ranks go from subspecies to variety to forma) are displayed. This allows varieties to be displayed after subspecies for taxa such as those in the alfalfa genepool.
<a href="#">1861</a>	Taxonomy / PW	The search results page from the advanced species query was corrected so that "X " is converted to "x" before the genus name.
<a href="#">1864</a>	Taxonomy / PW	The "Species priority site is:" was removed from the upper box on the taxonomy species detail page.
<a href="#">1870</a>	Public Website	The PW was defaulting to a dd-mmm-yyyy format; now the PW honors the date format of the record being displayed in the PW based on the format of the record in the CT.
<a href="#">1871</a>	Search Engine	List search (Search Engine ID list search function) was modified so that it can handle one-part accession numbers
<a href="#">1873</a>	Schema	The column <b>provider_identifier</b> was added to the <b>Site</b> table. This field is intended for the ITPGRFA Easy-SMTA identifier for the institution providing the SMTA data.

Trac Ticket #	Category	Description / Notes
<a href="#">1875</a>	Schema (Taxonomy)	A <b>Publisher URL</b> field was added to the <b>Literature</b> table.
<a href="#">1876</a>	Triggers	The accession data trigger was modified so that for non-PI accessions, you can now add higher than the current highest non-PI accessions. You can also use the -1 auto number feature with non-PI's, but now can also add out of sequence. For PI's, you can only manually add a number one higher than the highest PI.
<a href="#">1877</a>	Dataview	Since the non-SQL Server web dataview SQL hasn't been maintained, and is out of date, it was removed (since it would fail).

### 1.10.4.1

Released 2019, April 8

Trac Ticket #	Category	Description / Notes
<a href="#">1778</a>	Public Website	<p>Four dataviews used by the PW pages were modified to now pull RARE and WEED data from <b>Taxonomy_Use</b> and <b>Taxonomy_Noxious</b> tables, respectively. Prior to release 1.10.4, the data was stored in the <b>Taxonomy_Species</b> table.</p> <p>For more details, refer to the <a href="#">ticket 1778 explained</a> in the 1.10.4 release section.</p>
<a href="#">1783</a>	Trigger	<p>This release corrects a problem in the trigger introduced in 1.10.4. The trigger was creating a new accession record for any accession modification, not just when a change was made to accession_number - part1, -part2, or -part3.</p> <p>For more details, refer to the <a href="#">ticket 1783 explained</a> in the 1.10.4 release section.</p>
<a href="#">1821</a>	Public Website	<p>Added a new DOI column to the accession detail page. In release 1.10.4, the DOI field was added to the schema. Note: at the present time, this field is not being used by NPGS.</p>
<a href="#">1822</a>	Technical	<p>This enhancement was a modification to the Middle Tier code.</p>
<a href="#">1823</a>	Trigger	<p>When an accession without an accession_number_part2 is modified, the system accession trigger was giving an invalid cast error. The trigger was corrected to handle nulls in part2 correctly.</p>
<a href="#">1834</a>	Technical	<p>Changes were made to four database inspector code files in order to notice and save index filter information in the schema.xml file and to create an index with the filter information stored there. Added this enhancement to the 1.10.4.8 build of db installer.</p>

## 1.10.4

Released 2019, March 9

### Schema Changes

Trac Ticket #	Category	Description / Notes
<a href="#">1469</a>	Schema	Added <b>Taxonomy CWR Priority</b> table to schema. The table's fields allow agencies to track collection priorities for crop wild relatives. (The PW needs to be modified to take advantage of this new table.)
<a href="#">1517</a>	Schema / Dataview	Added ISO 3166-2 (state) codes to the <b>Geography</b> table. Added an <b>Is_Valid</b> (ISO 3166 Compliant) flag field to the dataview.
<a href="#">1768</a>	Schema	Added the <b>order_request_item_action</b> table. Enables sites to track tasks for each item. (Other changes to dataviews and wizards needed to be fully integrated.)
<a href="#">1769</a>	Schema	Added <b>method_id</b> column to the <b>accession_inv_group</b> table.
<a href="#">1777</a>	Schema	Added <b>DOI</b> column to the <b>accession</b> table. (DOIs have not been incorporated yet into NPGS)

### Trigger Changes

Trac Ticket #	Category	Description / Notes
<a href="#">1774</a> <a href="#">1175</a>	Trigger	Corrected the <b>Inventory Distribute</b> trigger which had caused the updates to fail in some cases. (This happened when the distributable default inventory is set on one inventory of an accession and the previously set inventory was also modified. The trigger was also modified to allow one distributable sample per form type, as per trac <a href="#">1175</a> ).
<a href="#">1783</a>	Trigger	Created <b>AccessionNumberChangeDataTrigger?</b> to track accession number changes. The trigger creates an <b>accession_action</b> record of type ACCNUMBERED or PINUMBERED, as appropriate. Also creates an <b>accession_inv_name</b> record for the old number if a <b>Name</b> record doesn't already exist.

## Dataview Changes

Trac Ticket #	Category	Description / Notes
<a href="#">1732</a>	Dataview	<p>Accessions with 2 expired PVP's were failing in four order dataviews. The dataviews were:</p> <ul style="list-style-type: none"> <li>order_packing</li> <li>order_packing_nsgc</li> <li>order_packing_2</li> <li>order_wizard_packet_label</li> </ul> <p>The dataviews needed a DISTINCT keyword added to the sub-select.</p>
<a href="#">1801</a>	Dataview	An updated <b>rpt_nc7_label</b> dataview fixed a bug when inventory lot record had more than one <b>RECEIVED</b> date. This new dataview automatically chooses the oldest inventory action record for populating the <b>RECEIVED</b> date.
<a href="#">1283</a>	Dataview	Added SQL code to the lookup display_member generation to differentiate between homonyms for taxonomy_genus_lookup table.
<a href="#">1389</a>	Dataview	In the taxonomy alternate family map tab in the CT, the lookup picker does not distinguish homonyms for names that are not accepted (the same genus name used for multiple genera). Each homonym is a unique record, but it cannot be distinguished. This is an issue for 45 genera with at least two homonyms in addition to the accepted name. The corresponding family needed to be displayed in the lookup picker for this tab.
<a href="#">1656</a>	Dataview	2 Viability Wizard dataviews were modified to allow users to sort new viability test records by Taxonomy and/or the Order Request Item Sequence Number.

## Public Website Changes

Trac Ticket #	Category	Description / Notes
<a href="#">910</a>	Public Website	Frequently the browser will display a runtime error message when the user attempts to start the Public Website. This seems to happen when the login screen's "Remember Me" box is checked. (The problem workaround was to delete any GRIN cookies in the browser.)
<a href="#">1457</a>	Public Website	The default was changed so that when users do an accession search, they will see only the available accession and available form. When the "unavailable" option is checked, they will also see the unavailable forms for the accession.
<a href="#">1670</a>	Public Website	Added plant immigrant link back to PW. The index is in table <b>plant_immigrant_index</b>
<a href="#">1714</a>	Public Website	Enhanced the Public Website search capability to search by a specific method to obtain a list of accessions evaluated.
<a href="#">1716</a>	Public Website	Corrected the inconsistent display of status for accessions whose status is <b>HISTORIC</b> .
<a href="#">1720</a>	Public Website	Corrected a display error; added space to string that is used for displaying name in <b>taxonomysearch</b> .
<a href="#">1721</a>	Public Website	The PW was enhanced to display more Pedigree data besides the <b>Description</b> field data.
<a href="#">1722</a>	Public Website	The carrier account information provided by the requestors was copied from the "requestor information" page to the "check out" page. The wording was also modified to indicate that the account number is not being saved.
<a href="#">1723</a>	Public Website	Corrected the link to NPGS on some of the taxonomy search pages where the link was broken.
<a href="#">1725</a>	Taxonomy Dataview	A typo correction was made on the taxonomygenus.aspx page. The extra n in "Nomninum" (should be Nominum) in the link to ING was removed.
<a href="#">1727</a>	Public Website	Corrected an error on the taxonomy details page where in some cases the number of accessions that could be ordered was in fact the number of available inventory lots.
<a href="#">1735</a>	Public Website	The Public Website was programmed to no longer supply a cooperator's phone number or email address.
<a href="#">1738</a>	Public Website	Corrected a display error with Descriptor searches. When search results displayed the images for the accession, the first image's path was incorrect.

Trac Ticket #	Category	Description / Notes
<a href="#">1740</a>	Public Website	Added wording to the order confirmation e-mail reminding requestors how they can check the order progress under Order History.
<a href="#">1747</a>	Public Website	On the taxonomy family page, when a family is not accepted, it shouldn't have a list of genera. The link for families that are synonyms was removed.
<a href="#">1754</a>	Public Website / Taxonomy	The accession detail header on accession detail page was modified to include the hybrid symbol in the scientific name.
<a href="#">1756</a>	Public Website	Added a "Top of Page" button to certain taxonomy pages with long lists of results, so that users would not need to scroll to get to the top of the page.
<a href="#">1766</a>	Public Website	Corrected a SQL error so that the code used to display the common names will now also query the name field.
<a href="#">1770</a>	Public Website	Related to <a href="#">1517</a> . The <b>Is_Valid</b> flag makes it now possible to give users the choice to select an old geographic address, but when creating a new address (when registering or adding a new shipping address), only current geographic data can be used.
<a href="#">1776</a>	Public Website	The popup image had a few changes to what text is to be displayed with the image. Now includes the binomial name. The Note text was removed.
<a href="#">1778</a>	Public Website	<p>The intent for 1778 was to no longer have the PW use the <b>taxonomy_species</b> table (<b>Restriction</b> field) to determine if the accession is to be indicated as RARE or WEED.</p> <ul style="list-style-type: none"> <li>RARE data now comes from taxonomy_use; code values CITESI, II, III, CPC, FWE, and FWT are used to indicate rarity.</li> <li>WEED data come from the taxonomy_noxious table, and any entry that includes the taxonomy_species_id for an accession could need to be evaluated by a curator before an order is filled. After the programming is changed to pull RARE from the taxonomy_use table and WEED from taxonomy_noxious, please let me know so I can ask Quinn to eliminate those code values and associated data in taxonomy_species (NARCOTIC will remain in use).</li> </ul> <p>1.10.4 had some issues so 4 dataviews needed to be edited and reloaded to address the issues. The end result is that the taxonomy_species table's restriction_code is still being use for the noxious flag, (as before), but the RARE flag is now coming from the taxonomy_use table.</p>



Trac Ticket #	Category	Description / Notes
<a href="#">1784</a>	Public Website	Added a default “hide counties flag” to the geography lookup so that the 3000 counties do not get in the way of choosing a US state in the lookup picker. This reduced the impact of loading 3000 counties for the US in the geography table.
<a href="#">1789</a>	Public Website	When accession has the <b>INACTIVE</b> status, don't show the maintained by site in the search result
<a href="#">1799</a>		Modified the PW so that a new user, when adding her address, can only select from a (current) valid state. This is using the newly added column <b>is_valid</b> in the geography table, and new populated data, when user enter new address, we need only provide the valid state data for them to choose. See <a href="#">1517</a> and <a href="#">1770</a>
<a href="#">1800</a>		Dataview title adjustment / Dataview changes for state sorting

### 1.10.3

*Released 2018, August 10*

The 1.10.3 release contains three schema changes not in 1.10.2:

1. **is\_accepted** field added to the citation table, for taxonomic use
2. **accession\_inv\_group\_attach** table added to handle group attachments
3. **method\_attach** table added for handling method attachments

Other changes are detailed below:

Trac Ticket #	Category	Description / Notes
<a href="#">1147</a>	Dataview	The Pure Live Seed function was added to the <b>Inventory</b> dataview so that a calculated field is obtained by multiplying the on-hand quantity by the most recent germination percentage. This pure live seed number reflects the number of seeds that are likely to be viable. (e.g. 1000 seeds on hand with a germination test at 50% - then 500 seeds are most likely viable)
<a href="#">1460</a>	Trigger	A trigger was added which creates a stub record in the Phyto request log when order items are switched to "INSPECT" (In NPGS, INSPECT indicates being sent to APHIS.)
<a href="#">1576</a>	Public Website	Users can now search the citation from accession, accession_pedigree, and accession_IPR.
<a href="#">1590</a>	Schema	added <b>is_accepted_name</b> field to the citation table. A "Y" indicates the taxon name is accepted in the publication.
<a href="#">1593</a>	Public Website	Corrected the display of the portrait images which were being presented in landscape when they should be displayed portrait.
<a href="#">1601</a>	Updater	Changed the GG Updater to use <a href="https://npgsweb.ars-grin.gov/gringlobal/gui.asmx">https://npgsweb.ars-grin.gov/gringlobal/gui.asmx</a> as the default server from which to download (rather than the URL 1.9.8.2 )
<a href="#">1631</a>	Middle Tier	The Middle Tier was enhanced to optionally authenticate CT and AT logins using an LDAP connection to a Microsoft Active Directory domain. CT users can now use either their domain password or their CT password. Also, LDAP configuration parameters were added to web.config
<a href="#">1637</a>	Dataview	Added an accession/inventory group attach dataview to allow for the attachment of documents using the attach wizard (when the attach wizard is eventually programmed to do so)
<a href="#">1651</a>	Dataview	A parameter was added in the get_accession_inv_group_map dataview so that a virtual list of members can be listed below the accession_inv_group object.
<a href="#">1658</a>	Dataview	Modified a dataview which changed the Taxonomy Wizard's save speed from 35+ seconds to 3 seconds.

Trac Ticket #	Category	Description / Notes
<a href="#">1660</a>	Data Maintenance	Set OWNER_PARENT relationship on tables accession_source_map and order_request_attach
<a href="#">1671</a>	Public Website	Modified three dataviews and code to add accession_inv_groups on the accession_detail page (for only is_web_visible accessions).
<a href="#">1672</a>	Installer	Database installer upgrader no longer fails if the database to be upgraded includes a field of type "nchar," or one of the other data types not in the normal GG schema.
<a href="#">1673</a>	Server	The Middle Tier can now handle missing parameters, treating them as being set to null.
	Documentation	Updated third-party documentation.
<a href="#">1693</a>	Public Website	Removed the requireSSL="true" parameter in the Web.config file so that SSL is no longer assumed for new server installations.
<a href="#">1694</a>	Search Engine	The search engine was modified to configure table aliases such as accession_pedigree_citation in order that specific types of citations besides accession citations can be searched.
<a href="#">1697</a>	Public Website	Apparently the default is to display unique inventory prefixes and inventory numbers if they are not already in accession name and are not the accession prefix and number. The dataview was modified to now exclude NPGS site NR6 from this rule. (Previously NSSL and SOY were excluded.)
<a href="#">1705</a>	Database	Created a method attachment table similar to the order attach table.
	Public Website	When exporting to Excel from the Public Website, if an "&" was found in the text, the exporting would stop. Corrected that issue.

**The following changes all pertain to Taxonomy:**

Trac Ticket #	Category	Description / Notes
<a href="#">1463</a>	Taxonomy	Subgenus display page errors were eliminated; links added to subgenus, section, etc.
<a href="#">1490</a>	Taxonomy	Alternate family display. Previously only showed one alternate family, now shows all alternate families.
<a href="#">1567</a>	Taxonomy	The species detail page was modified so that it displays the genus even when it is not an accepted genus.
<a href="#">1583</a>	Taxonomy	Taxon detail page accession count now accurately displays accession count, displaying total (active, available).

Trac Ticket #	Category	Description / Notes
<a href="#">1594</a>	Taxonomy	Indented subgenus, section, subsection, subfamily and tribe in the taxonomy species nomenclature table to make it clear they are subordinate to the genus and family.
<a href="#">1596</a>	Taxonomy	Links to sections of the Species page are now at the top for easier navigation.
<a href="#">1632</a>	Taxonomy	List of genera heading. Added “and generic subdivisions” on taxonomy genus when relevant.
<a href="#">1633</a>	Taxonomy	Calculation of Accession counts on taxonomy pages (taxonomy genus) now accurately display accession count, displaying total (active, available).
<a href="#">1634</a>	Taxonomy	Economic importance citations. Changed display and added references.
<a href="#">1635</a>	Taxonomy	Linnean typification link. Added row for typification to taxonomydetail when there is one.
<a href="#">1657</a>	Taxonomy	PubAg link. Added link to taxonomydetail when appropriate.
<a href="#">1675</a>	Taxonomy	Updated “About” text for GRIN taxonomy
<a href="#">1676</a>	Taxonomy	Subdivisions are now displayed correctly. Also included correct display of synonyms beyond those for just the genus.
<a href="#">1682</a>	Taxonomy	Changed focus of cursor in the Taxonomy Advanced query so that when using the backspace key in will highlight the text to make it easier for changing search.

## 1.10.2

*Released 2018, April 7*

Changes are detailed below, but here are a few notes worth highlighting. In this build release,

- multiple taxonomy changes were included; primarily data display on the Public Website
- a much more robust installer for the server components was included so that organizations can now upgrade databases

### 15 Dataviews Were Changed in This Build (1.10.2.8)

```
SELECT dataview_name FROM sys_dataview
WHERE coalesce(modified_date, created_date) > '2018-02-01'
ORDER BY dataview_name
```

#### *Dataview Name*

```
get_accession_inv_attach
get_inventory_quality_status
web_lookup_taxon_crop
web_taxonomy_cwr_croptaxon
web_taxonomyfamily_images
web_taxonomyfamily_view_generalist
web_taxonomygenus_images
web_taxonomygenus_name
web_taxonomygenus_view_specieslist
web_taxonomyspecies_distribution
web_taxonomyspecies_distribution_continent
web_taxonomyspecies_distribution_country
web_taxonomyspecies_distribution_note
web_taxonomyspecies_distribution_state
web_taxonomyspecies_distribution_sub
```

Trac Ticket #	Category	Description / Notes
<a href="#">1378</a>	Public Website	Corrected the label text to "Alternative Search method using a list of accession identifiers." This corrected the problem when the Public Website would alternate with a display for the Alternative Search checkbox label for the Search List option
<a href="#">1410</a>	taxonomy	<b>Display common names in species search results</b>  When a user does an advanced taxonomy query on common name, the common name used in the search string is now included in the results. Also, only the name(s) that match(es) the search string, not other common names as well, are displayed.
<a href="#">1472</a>	taxonomy	<b>Hybrid Symbol Needs to Display on Genus Page</b>  Fixed the display of the hybrid and graft hybrid symbols (× and +) before the genus name when genera are hybrids on the taxonomy and search pages.
<a href="#">1474</a>	schema / dataview	<b>Add two columns to the Inventory Quality Status Table</b>  Two columns were added to the <b>Inventory Quality Status</b> dataview where negative and positive control data can be put. This comes into play for absorption test results where the absorbance is compared to Negative and Positive controls.
<a href="#">1492</a>	taxonomy	<b>Friendly name change</b>  Data were incorrectly converted for alternate families during the transfer from GC to GG. Quinn Sinnott corrected names of alternate families on 8/15/2017, so the Get_taxonomy_alternate_family_map needs to have the friendly name "Extended Family (syn)" changed to "Family (syn)," as it no longer includes entries with extended (subfamilial) names. It corresponds to taxonomy_family_id but only for entries where all of the subfamilial categories are null.
<a href="#">1548</a>	taxonomy	<b>Add synonym code value</b>  <b>AUTONYM</b> added as a code value in the TAXONOMY_SPECIES_QUALIFIER Code Group.
<a href="#">1550</a>	taxonomy	<b>Corrected italics of spp. and hybr.</b>  The complete list of species from the genus search results page should have a similar format to the results of the genus search from the Advanced Query search page. Changes were made to adhere to taxonomic formatting standards. Also, on the advanced query results page, the synonym and the accepted name now have separate links that will go to their respective pages.
<a href="#">1571</a>	taxonomy	<b>Change literature publication year field to a string field</b>

Trac Ticket #	Category	Description / Notes
		The Publication Year in the Literature table in the CT was changed to a text field. Now a range of years (1960-1985) or a series of ranges is considered valid and can be accepted.
<a href="#">1575</a>	taxonomy	<b>PW geography display issues</b> Corrected several display issues with respect to geography on the Taxonomy pages.
<a href="#">1580</a>	taxonomy	<b>Radio buttons for CWR page</b> Modified the CWR page bottom to use radio buttons.
<a href="#">1585</a>	taxonomy	A cite page statement "Cite this page:" statement was added to the footer
<a href="#">1589</a>	dataview	<b>Move PVP "Date expired" information in front of "Current status" link</b> In addition to the <b>Issued Date</b> , now the <b>Expired Date</b> of PVP accessions is displayed to the Public.
<a href="#">1591</a>	Public Website	<b>Image function not working with local images</b> Corrected the image output option in the accession query which uses a function to create the images on the display page. That function does not handle local images (such as created by the Attachment Wizard), only fully pathed images (e.g. <a href="http://...">http://...</a> ).
<a href="#">1592</a>	Public Website	<b>back button recently started not returning to the search results page</b> Pages would expire when the user clicked any link from the search result page and when using the browser's Back button. Removed a 3 <sup>rd</sup> -party calendar pop-up control which was used for setting up a date in the advance search section.
<a href="#">1595</a>	taxonomy	<b>taxonomy synonym display</b> Several enhancements were made for synonyms on the taxonomydetail.aspx page.
<a href="#">1597</a>	taxonomy	Scientific names are now italicized properly when the genera list generated from a link under tribe or other classification heading.
<a href="#">1598</a>	taxonomy	<b>Image display on taxonomy family page</b> The taxonomyfamily.aspx page was corrected so that the text "Images:" doesn't display when there aren't any images. Other corrections were made.
<a href="#">1601</a>		<b>Change Updater default download server to npgsweb</b>

Trac Ticket #	Category	Description / Notes
		The GRIN-Global Updater now uses <a href="https://npgsweb.ars-grin.gov/gringlobal/gui.aspx">the https://npgsweb.ars-grin.gov/gringlobal/gui.aspx</a> as the default server to download from rather than the 1.9.8.2 URL.
<a href="#">1604</a>	taxonomy	<b>add focus on famgensearch, taxonomysearcheco, taxonomybrowse and display issue in taxonomy genus</b>
<a href="#">1605</a>	taxonomy	The section at the bottom of the taxonomygenus.aspx pages was fixed so that "Images:" and other items do not display when there aren't any respective data.
<a href="#">1606</a>	taxonomy	Taxonomy pages were corrected so that scientific names are now properly italicized.
<a href="#">1607</a>	taxonomy	The PW no longer displays lists of ranks (subfamily, subgenus, section, etc.) when there are no values for the ranks.
<a href="#">1608</a>	taxonomy	Headings were made consistent on all taxon pages.
<a href="#">1609</a>	taxonomy	<b>Corrected Crop references on CWR page</b>  Please add code to display species citations with the code value "RELATIVE" for crops as well as crop wild relatives. Currently, the CWR page displays these citations for the wild relatives only, but some crops have citations coded "RELATIVE" as well.
<a href="#">1610</a>	taxonomy	<b>Corrected Crop names Display in CWR Menu</b>  The crop name display in the menu on the CWR page was changed and is now formatted with "<i>scientific name</i>". Also, italics is stripped out for var., subsp., x, etc.
<a href="#">1611</a>	Public Website	<b>Fixed problem that "Additional Availability Information about cutting" not appropriate in some cases</b>  There is one special <b>Additional Availability</b> Information: (Note: You will receive Unrooted cuttings not Rooted plants unless specific arrangements have been made with the curator.)  Jeffrey Carstens reports to <a href="#">Quinn/Lisa?</a> that PI 65939 has the 17ncai01 SEED lot listed as the available lot, but somehow the above warning is still there.  Corrected the logic in the GG PW program to recognize when there is another distributable form available to be distributed besides the one default distribution format as CT.



Trac Ticket #	Category	Description / Notes
<a href="#">1612</a>	trigger	<p><b>Add a limiting cap of +1 to accession number</b></p> <p>Now that the curators can assign PI (or other) numbers automatically, there is a need to prevent accidental entering of a number above the actual last value and throwing the sequence off. A trigger was added to allow only manual values <math>\leq</math> highest value+1 in the system.</p>
<a href="#">1613</a>	trigger	<p><b>Fix acc_inv_annotation trigger to use correct Modified_by data</b></p> <p>When a species is put in synonymy, a trigger creates an annotation record for each accession having that taxonomy. The trigger was corrected to make the <b>created_by</b> on the related <b>accession_inventory_annotation</b> records and the <b>modified_by</b> on the <b>accession</b> records match the <b>modified_by</b> on the <b>taxonomy_species</b> record.</p>
<a href="#">1616</a>	Public Website	<p><b>PW Link on GG Banner on Taxonomy Pages Fails</b></p> <p>Fixed the bug so that the user no longer receives the error "We're sorry, your last request caused an error on the server." whenever she clicks on the NPGS banner at top of the Taxonomy pages.</p>
<a href="#">1617</a>	Installer	<p><b>AT user should be able to specify the database name at login</b></p> <p>The Middle Tier code was modified so that the Admin Tool is no longer restricted to "gringlobal," but can now accept a database name on the login form – "gringlobal" is no longer hardwired into the code.</p>
<a href="#">1618</a>	Installer	<p><b>DB Copier should be able to copy data between databases</b></p> <p>The <a href="#">DatabaseCopier</a> was modified to be able to set both source and destination as local databases in the same SQL Server instance. Previously, only one can be a database, the other had to be a file. It can also now handle slightly differing schemas between the tables, copying only the fields that are in both source and destination.</p>
<a href="#">1619</a>	Installer	<p><b>Need ability to specify the name of the database being installed</b></p> <p>The <a href="#">DatabaseInstaller?</a> in the <a href="#">DatabaseCopier?</a> is now able to install to a database name besides "gringlobal." A database name field was added to the connection/login form.</p>
<a href="#">1620</a>	Installer	<p><b>Option for DB installer to copy data from another installation</b></p> <p>The Database Setup installer can now populate user tables (non sys_) with data from another preexisting copy of GG. This aids in safely upgrading</p>

Trac Ticket #	Category	Description / Notes
		databases to a new version by loading a second new copy populated with data from an older version.
<a href="#">1621</a>	Installer	<p><b>get DB installer to create stored functions by executing a SQL script</b></p> <p>The GG database setup installer needs to be able to create stored functions. Stored database functions would be helpful for getting dataviews to behave uniformly with actions that are preformed repeatedly, such as: calculating availability or formatting a taxonomic name. The previous installer only installed schema elements such as tables, indexes and constraints.</p>
<a href="#">1622</a>	Installer	<p><b>Give DB installer in-place upgrade ability by executing script</b></p> <p>The GG database setup installer previously could not upgrade the database on an existing database in-place without losing existing data in the old database. Prior to this enhancement, the installer could only replace an existing database with an empty new database.</p>
<a href="#">1623</a>	Public Website	<p><b>Assure a 508 compliant tooltip appears on PW images on hover</b></p> <p>Modified the tooltip to be 508 compliant. Since the description column is used for the tooltip and is not a required field, the tooltip was empty in those cases. Now the text "Image" will be supplied when the description field is empty. SQL coalesce was used:  <b>coalesce(description,description_code,'Image')</b></p>
<a href="#">1626</a>	Installer	<p><b>Update sys_database tables when doing an in-place database upgrade</b></p> <p>Modified C# code and SQL install scripts so that when doing an in-place database upgrade with the DB installer, the three sys_database tables to record the upgrade details are updated.</p>

### 1.10.1

*Released 2018, January 24*

Changes are detailed below, but here are a few notes worth highlighting. This release:

- builds under Visual Studio 2015 with .NET framework 4.6.2
- uses the WiX installer capable of installing on recent Windows operating systems
- includes schema and dataview information in the repository
- has an updated Admin Tool which now imports and exports XML dataview files

The build also introduces Crop Wild Relatives pages that were originally in GRIN.

#### 26 Dataviews were changed in this build:

Category_Code	Dataview_Name
Client	get_taxonomy_species
Client	get_web_order_request_item
CT Wizards	inventory_attach_wizard_get_filepath
CT Wizards	order_wizard_get_inventory
CT Wizards	order_wizard_get_order_request_item
Import Wizard	import_taxonomy_species
System	sys_matrix_input
Web Application	web_accessiondetail_quarantine
Web Application	web_citation
Web Application	web_crop_species
Web Application	web_descriptorbrowse_crop
Web Application	web_lookup_crop_site_list
Web Application	web_lookup_regions
Web Application	web_lookup_taxon_crop
Web Application	web_lookup_taxon_family
Web Application	web_lookup_taxon_family_cwr
Web Application	web_taxonomy_cwr_croptaxon
Web Application	web_taxonomy_cwr_reference
Web Application	web_taxonomyfamily_references
Web Application	web_taxonomyfamily_subdivisions
Web Application	web_taxonomyfamily_summary
Web Application	web_taxonomygenus_references
Web Application	web_taxonomyspecies_distribution_continent
Web Application	web_taxonomyspecies_distribution_country
Web Application	web_taxonomyspecies_references
Web Application	web_taxonomyspecies_summary

## Database Schema Changes

*Trac Ticket #	Description / Notes
<a href="#">1532</a>	A <b>Protologue</b> field was added to the taxonomy_species table for storing links to protologues. Previously these links were stored in the <b>Notes</b> field. Details are at: <a href="https://npgsweb.ars-grin.gov/trac/GG/ticket/1532">https://npgsweb.ars-grin.gov/trac/GG/ticket/1532</a>

\* The trac system is used by the NPGS to manage fixes to bugs and enhancement requests. Individual trac tickets are publicly available at <http://trac.ars-grin.gov/trac/GG/report/21>

## Data Triggers

Trac Ticket #	Description / Notes
<a href="#">1578</a>	When an accession_inventory name is created, the <b>AccessionNameDataTrigger.cs</b> assigns a name ranking to based on the Category field. Two categories were not being assigned; the trigger was modified to set PLOTS's value to 140 and EXPLOREID to 150.
<a href="#">1579</a>	<p>The main function for the trigger <b>AccessionDataTrigger.cs</b> is to enable sites to assign new PI identifiers to accessions. The trigger works on adding new accessions and non-PI series as well, but the main goal was to convert existing local Identifiers to the PI series.</p> <p>Assuming the user has the proper permission, the accession prefixes can be edited and set to PI. The accession numbers are set to -1. (CTRL-D to copy down). When saved, accessions receive the next available PI numbers. The after save trigger also kicks in and sets the ** (system inventory) to the PI number rather than the local one.</p>

## Taxonomy / Crop Wild Relatives

Trac Ticket #	Description / Notes
<a href="#">1410</a>	If a user executes an advanced taxonomy query on common name, the common name used in the search string is now included in the results. Also, only the names that match the search string are displayed, not the other common names as well. Details are at <a href="https://npgsweb.ars-grin.gov/trac/GG/ticket/1410">https://npgsweb.ars-grin.gov/trac/GG/ticket/1410</a>
<a href="#">1451</a>	The scientific name display was displaying incorrectly when a genus has a classification below genus, but above species. The names were shown as the genus. This release addresses this defect. Details are at <a href="https://npgsweb.ars-grin.gov/trac/GG/ticket/1451">https://npgsweb.ars-grin.gov/trac/GG/ticket/1451</a>
<a href="#">1519</a>	Corrected for the following scenario: When a subfamilial classification is displayed at the bottom of a family page, only currently accepted family IDs should be included. Details are at <a href="https://npgsweb.ars-grin.gov/trac/GG/ticket/1519">https://npgsweb.ars-grin.gov/trac/GG/ticket/1519</a>

Trac Ticket #	Description / Notes
	Other tickets were addressed: ( <a href="#">1209</a> , <a href="#">1520</a> , <a href="#">1521</a> , <a href="#">1522</a> , <a href="#">1523</a> , <a href="#">1524</a> , <a href="#">1525</a> , <a href="#">1526</a> , and <a href="#">1536</a> ) for the purpose of getting the Crop Wild Relatives page up and running.
<a href="#">1541</a>	Corrected several display issues related to accession citations. Details are at <a href="https://npgsweb.ars-grin.gov/trac/GG/ticket/1541">https://npgsweb.ars-grin.gov/trac/GG/ticket/1541</a>
<a href="#">1565</a>	Corrected the display of the header of the taxonomy species detail aspx. When subvariety_name is not null in taxonomy_species, the name needs to be preceded by "subvar." Details are at <a href="https://npgsweb.ars-grin.gov/trac/GG/ticket/1565">https://npgsweb.ars-grin.gov/trac/GG/ticket/1565</a>
<a href="#">1566</a>	Corrected the display when subcontinent was empty. The Public Website details page would display all countries without a subcontinent, thus showing both the US and Europe together. Details are at <a href="https://npgsweb.ars-grin.gov/trac/GG/ticket/1566">https://npgsweb.ars-grin.gov/trac/GG/ticket/1566</a>
<a href="#">1574</a>	Corrected the Taxonomy detail page which displayed empty bullets where a continent/subcontinent should be. Changes made to the <b>web_taxonomy_species_distribution_continent</b> dataview.

### Admin Tool Dataview Changes

Trac Ticket #	Description / Notes
<a href="#">1009</a>	The Admin Tool (AT) dataview SQL comment processing was corrected to handle quoted strings and bare single quotes properly.
<a href="#">1551</a>	On import of a dataview, the dates should be set to the created and modified date from the import file to preserve the actual modification date and time from the system on which it was developed.
<a href="#">1552</a>	Removed extraneous information in dataview files not used by the import function, such as record ID numbers, dates, and owner. Removing this unnecessary information makes the files smaller and make file comparisons easier.
<a href="#">1553</a>	The dataview export filename default was changed so that the date was placed at the end of the filename instead of at the beginning. The format is now <i>dataviewname_YYYYMMDD.dataview</i> instead of <i>YYYY_MM_DD_dataviewname.dataview</i> . This makes sorting directories of saved dataview files easier.
<a href="#">1554</a>	The Admin Tool export now has an option to export dataviews as an XML file.
<a href="#">1555</a>	The Admin Tool can now import dataviews in an XML file format.

<a href="#">1557</a>	Since Client dataviews used by the CT use primary key parameters almost exclusively which need to be of type <a href="#">IntegerCollection?</a> and since these parameters all end in "id", the AT should now supplies <a href="#">IntegerCollection?</a> for any new parameter ending in "id."
<a href="#">1564</a>	The AT dataview editor was modified so that you will not get an unhandled exception "Requested value 'WITH' was not found" when you enter SQL using a WITH in the AT dataview editor.
<a href="#">1570</a>	Switched the AT to using the <b>left_tag</b> instead of the <b>iso_639_3</b> field to identify language in dataview exports and imports. This keeps the AT dataview import from confusing English and ENG. The iso_639_3 data in old dataview files is still supported for backward compatibility.

### Miscellaneous Dataview Changes

Trac Ticket #	Description / Notes
<a href="#">1503</a>	Corrected the following condition: Order Wizard fails to process web orders that contain one (or more) accessions that have more than one expired PVP.
<a href="#">1514</a>	The "List of Species" label on the crop descriptor page ( <a href="https://npgsweb.ars-grin.gov/gringlobal/crop.aspx?id=128">https://npgsweb.ars-grin.gov/gringlobal/crop.aspx?id=128</a> ) was changed to "Species included in descriptor list". Also, the list of species was corrected to display currently accepted names.
<a href="#">1547</a>	The <b>get_web_order_request_item</b> dataview has two modifications: (1) now includes <b>Site</b> (2) re-positioned the <b>Status</b> column leftward, to save on unnecessary user scrolling.
<a href="#">1556</a>	The Accession Quarantine records had a display defect. When these fields were edited, they were not displaying updates to the <b>Quarantine Type</b> and <b>Progress Status</b> fields properly on the public website.
<a href="#">1558</a>	This enhancement allowed the Inventory Attach Wizard to save files with a relative path without a leading slash in their filename. By doing so, the files work better with the <a href="#">AttachmentForm?</a> and can then display properly.
<a href="#">1559</a>	Corrected the following condition: The <b>order_wizard_get_order_request_item</b> dataview failed when there were more than one expired PVP on one accession.
<a href="#">1561</a>	Corrected the Crop display on the Public Website so that only crops that have actual <b>crop_trait_observation</b> data display in the dropdown under the descriptors menu.
<a href="#">1572</a>	The Search Tool could not search for fields from the <b>web_order_request_address</b> or <b>web_order_request_action</b> tables. This was due to the <b>sys_matrix_input</b> dataview not

	having information on them included. A new version of <b>sys_matrix_input</b> was created to fix this issue by including configurations for these two files.
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## 1.9.9.2

*Released 2017, September 30*

### Database Schema Changes

*Viability Tables changes: (related to trac ticket [935](#))*

- 1) added percent\_hard to inventory\_viability
- 2) added hard\_count to inventory\_viability\_data
- 3a) modified 5 columns to nvarchar(100) in inventory\_viability\_rule
  - temperature\_range nvarchar(30) to 100 [30 characters to 100]
  - count\_regime\_days nvarchar(50) to 100
  - moisture decimal to nvarchar(100)
  - prechill nvarchar(30) to 100
  - lighting - nvarchar(30) to 100
- 3b) changed **name** to not null in rule
- 3c) changed uniq index to just **name** in rule

- 4) added a foreign key index **ori\_wori** to improve performance.

- 5) the following fields are now set to full text indexing:

- accession.note
- taxonomy\_common\_name.name
- taxonomy\_common\_name.simplified\_name
- taxonomy\_species.name
- accession\_pedigree.description
- accession\_source.collector\_verbatim\_locality
- accession\_source.associated\_species
- accession\_source.environment\_description

See also [Full Text Index Search](#)

### *Associated Species*

Trac Ticket	Description / Notes
#1384	Enhancement. A new column, <b>Associated Species</b> , was added to the accession_source table. (accession_source.associated_species) <a href="https://www.ars-grin.gov/trac/GG/ticket/1384">https://www.ars-grin.gov/trac/GG/ticket/1384</a> Previously the associated species information for a collection site was stored in the <b>environment_description</b> column (in GRIN Classic, it was the <b>habitat</b> field). The alternative to store each associated species in a source habitat descriptor would have been unfeasible.

## B. Search Engine Changes

The Search Engine (SE) was modified. Note that both the Search on the Public Website and the Search Tool both utilize the search engine. Search Engine tickets which have been addressed:

Trac Ticket*	Description / Notes
<a href="#">713</a>	Enhancement. The BETWEEN operator was added in CT's Search Query – queries such as <b>@accession.created_date BETWEEN '01-Jan-2017' AND '01-May-2017'</b> are now valid.
<a href="#">1178</a>	Bug correction. PW Match All Terms was failing due to the Search Engine (SE) improperly ignoring the AND between unformatted and formatted criteria. The PW search option “Match All Terms,” when unchecked, returned all visible accessions.
<a href="#">1202</a>	Enhancement. Search tool was enhanced to handle trait queries across multiple rows such as minus(except), union, intersect, and “not in.” Example: @crop.name = 'Maize' AND @crop_trait_lang.title = 'Primary Race' AND @crop_trait_code_lang.title = 'Corn Belt Dent' INTERSECT @crop.name = 'Maize' AND @crop_trait_lang.title = 'KERNEL COLOR' AND @crop_trait_code_lang.title = 'White' INTERSECT @site.site_id IN (16) AND @inventory.is_distributable = 'Y' AND @inventory.is_available = 'Y'
<a href="#">1264</a>	Enhancement. Full text search has been included in the Public Website. Full-text indexing will find words in large fields without using wildcards. (Example: Search for <b>kumquat</b> to see it find a partial common name (include unavailable). Search for <b>Apacunca</b> and see it find a match in source locality.)  The full-text index search also works in the ST text box - terms typed in the search box get the same treatment as the PW, except without the availability or visibility constraints.
<a href="#">1442</a>	Bug correction. The SE was fixed so that when entering a list of accession numbers, the PW doesn't display the unavailable or historic when those checkboxes are not checked.

\* The trac system is used by the NPGS to manage fixes to bugs and enhancement requests. Individual trac tickets are publicly available at <http://trac.ars-grin.gov/trac/GG/report/21>

### Full Text Index Search

Microsoft's Full Text Index Search allows searching for single words in large text fields such as Notes without specifying wildcards. Since the DBA chooses exactly what columns from a table go in the table's full-text index, we can control what is searched that way.

Full text index searching is technically not part of the new release, but coincidentally it has been implemented in the database and enables the search tool to find text quicker. Currently NPGS Implemented the full text index search for the following fields:

TableName	ColumnName
accession	note
taxonomy_common_name	name
taxonomy_species	name
accession_pedigree	description



accession_source	collector_verbatim_locality
accession_source	associated_species
accession_source	environment_description



(GG Administrators only). The table sys.fulltext\_indexes can be searched to determine which columns have been set up with full text indexing.

```
SELECT distinct
  object_name(fic.[object_id]) table_name,
  [name] column_name
FROM
  sys.fulltext_index_columns fic
  INNER JOIN sys.columns c
    ON c.[object_id] = fic.[object_id]
    AND c.[column_id] = fic.[column_id]
```

### Changes to Meet Miscellaneous trac Ticket Requests

(The trac system is used by the NPGS to manage fixes to bugs and enhancement requests. Individual trac tickets are publicly available at <http://trac.ars-grin.gov/trac/GG/report/21> In the documentation below, links are provided to the respective tickets that were addressed.)

Trac Ticket	Description / Notes
<a href="#">935</a>	Enhancement. The Viability Wizard. (Various dataviews were added or edited to accommodate the new Viability Wizard. This is run as a wizard via the Curator Tool, and the requisite .dll file must be installed for the wizard to run. Complete documentation with installation directions is online at <a href="https://www.grin-global.org/docs/gg_viability_wizard.docx">https://www.grin-global.org/docs/gg_viability_wizard.docx</a>
<a href="#">1319</a>	Bug correction. Previously an observation could not be recorded properly when the observation value was zero.
<a href="#">1444</a>	Enhancement. The Cancel Web Order Trigger allows CT users to cancel a web order without needing to use the Order Wizard to create and cancel a fully loaded order_request. Complete detail instructions are online in Appendix B of the Order Processing document: ( <a href="https://www.grin-global.org/docs/gg_order_processing.docx">https://www.grin-global.org/docs/gg_order_processing.docx</a> ) .
<a href="#">1398</a>	Enhancement. Trigger for shipping orders at APHIS. (APHIS is the USDA Animal and Plant Health Inspection Service.) One NPGS staff person has the responsibility of submitting and tracking the germplasm sent to APHIS to be tested and assigned Phyto Sanitary certificates.) Now when that person completes the "Order Request Phyto log," a trigger indicates that the order was completed, filling in the completed date. The order item status is changed to "Shipped from APHIS." It generates an order action record, and includes the shipper and (USPS, UPS, FEDEX) and the tracking number. Also, the external germplasm requestor can see the shipping information in the order history.

### Taxonomy trac tickets

<a href="#">1281</a>	Bug correction. Trigger to analyze <b>is_X_hybrid</b> columns in <b>taxonomy_species</b> on name creation
<a href="#">1284</a>	Bug correction. Name generation in <b>taxonomy_genus_lookup</b> should analyze <b>is_hybrid</b> column
<a href="#">1478</a>	Bug correction. Genus is not initially capped when it contains a hyphen

<a href="#">1479</a>	Bug correction. Only one source record can be set to <b>is_origin</b>
----------------------	---

### GRIN-Global Public Website

Trac Ticket	Description / Notes
<a href="#">1088</a>	When a new user registers on the Public Website, the user is now required to input the email address twice
<a href="#">1381</a>	Corrected the Googlemap display so that lat-long information will not be displayed when the <b>is_web_visible</b> flag for accession_source is N
<a href="#">1408</a>	(Taxonomy issue.) In a display list of species within a genus, names that are varieties were not displaying correctly.
<a href="#">1410</a>	Display common names in species search results
<a href="#">1413</a>	Enhancement. In the PW, germplasm requestors saw "Accepted" as their order status after a site had opened the order. It was decided that the word "Accepted" was misleading, since the order was simply created and might be closed without fulfillment. Now the status will be "Reviewing," -- for the order items, as well as the order's header.
<a href="#">1416</a>	Changed the URL for the SMTA in the DB (code definition) and order.aspx and corrected a typo (synonym) in taxonomygenus.aspx
<a href="#">1421</a>	When completing her profile, if the country is USA, a state is required from the user
<a href="#">1422</a>	When exporting a web report to excel, the header line is no longer included
<a href="#">1423</a>	A number of changes were made to the Advanced Search including changing "taxonomy species name" to "taxonomy species epithet." " <b>Equal</b> " was made the default operator. Many criteria considered not relevant were removed from the accession advanced search list. See the <a href="#">trac ticket</a> for the complete list of changes.
<a href="#">1424</a>	Bug correction. Citations without a year were not listing properly.
<a href="#">1425</a>	Instead of a generic federal privacy law message being displayed, now the cooperator address information will display properly
<a href="#">1426</a> & <a href="#">1433</a>	The user receives an email notification for any accessions stored in his Favorites list when the accession status changes to <b>Available</b> .
<a href="#">1428</a>	Bug correction. IPR Citations were not listing with the accession.
<a href="#">1445</a>	Corrected the calculation in the Taxonomy Simple search to include only Active and Web Visible accessions in the accession count.
<a href="#">1451</a>	(Taxonomy issue.) When a genus has a classification below genus but above species, the names were shown as the genus.
<a href="#">1456</a>	Enhancement. Modified the PW to display the data in the new field <b>associated_species</b> in the Source section. (Also, see trac <a href="#">1384</a> which explains the new field.)
<a href="#">1466</a>	The <b>DOCUMENT</b> code was added to the <b>ATTACH_CATEGORY</b> Code Group.
<a href="#">1467</a>	Due to USDA rules, all internet access must be https. The PW had to be modified to recognize https and will not create images on the accession page.
<a href="#">1476</a>	The search in the family dropdown in Taxonomy Advanced Search was only returning a small number of species. For example, select Rosaceae and search and only 2 taxa are found when there should be thousands.
<a href="#">1481</a>	The GG PW search page was not using the flag parameter properly. The coding on the page was modified so that showing the accession could be controlled not only by the search query contents, but also by the "unavailable" and "with image" flags

**Note to GG Administrators:** The search image function needs to run one SQL statement to create a SQL server function. The current GG install process won't be able to load this SQL function directly. [The SQL must be accessed separately.]

## D. GG Dataviews

Multiple dataviews were updated.

### Note:

- 1) Several web reports on production are NPGS specific; they are not included in the build.
- 2) There are 12 web reports in the build. Many will be replaced later.

## E. GRIN-Global Data

-- remove 3 inventory columns from auto\_search table  
 -- if not using full text add associated\_species to 28 auto\_search table  
 -- add GG codes were refined or added. In the PW, in the Web Query tool, use the following SQL to review the codes that have been added or changed:

```
SELECT
  cv.code_value_id,
  cv.group_name as group_name,
  cv.value, cvl.title
FROM
  code_value cv
  LEFT JOIN code_value_lang cvl ON cv.code_value_id = cvl.code_value_id
                                AND cvl.sys_lang_id = 1
/* use the WHERE clause to search for a specific code – examples: */
/* WHERE cv.modified_date BETWEEN '07/01/2017' AND '08/01/2017' */
WHERE cv.modified_date > '08/01/2017'
/* WHERE cv.group_name LIKE 'inventory%' */

ORDER BY
  group_name,
  cv.value
```

---

### 1.9.8.2

Released 2016, November 1

#### Middle Tier/Trigger

TRAC#974 – In scenarios where a site adds site accessions (or any non-PI accession) to the database, when the accession gets renamed with a PI prefix, the system inventory record now will be renamed by a trigger to match the new PI identifier. <https://www.ars-grin.gov/trac/GG/ticket/974>

Accession ID	Accession Prefix	Accession Number	Accession Suffix	Taxon	Name	Origin	Maintenance Site	Is Core?
1942983	FBV	1		Zea mays subsp. ...	FBV 1		NC7	N
1942984	FBV	2		Zea mays subsp. ...	FBV 2		NC7	N
1942985	FBV	3		Zea mays subsp. ...	FBV 3		NC7	N
1942986	FBV	4		Zea mays subsp. ...	FBV 4		NC7	N
1942987	FBV	5		Zea mays subsp. ...	FBV 5		NC7	N
1942988	FBV	6		Zea mays subsp. ...	FBV 6		NC7	N
1942989	FBV	7		Zea mays subsp. ...	FBV 7		NC7	N
1942990	FBV	8		Zea mays subsp. ...	FBV 8		NC7	N
1942991	FBV	9		Zea mays subsp. ...	FBV 9		NC7	N

Accession Prefix and Number changed:

Accession ID	Accession Prefix	Accession Number	Accession Suffix	Taxon	Name	Origin	Maintenance Site	Is Core?
1942983	SA	10		Zea mays subsp. ...	FBV 1		NC7	N
1942984	SA	20		Zea mays subsp. ...	FBV 2		NC7	N
1942985	SA	30		Zea mays subsp. ...	FBV 3		NC7	N
1942986	SA	40		Zea mays subsp. ...	FBV 4		NC7	N
1942987	SA	50		Zea mays subsp. ...	FBV 5		NC7	N
1942988	SA	60		Zea mays subsp. ...	FBV 6		NC7	N
1942989	SA	70		Zea mays subsp. ...	FBV 7		NC7	N
1942990	SA	80		Zea mays subsp. ...	FBV 8		NC7	N
1942991	SA	90		Zea mays subsp. ...	FBV 9		NC7	N

Accession/Inventory name dataview:

Inventory Name ID	Accession	Inventory	Category	Name	Name Rank	Name Group	C
1900056	SA 10	SA 10 **	Site identifier	FBV 1	1080		
1900057	SA 20	SA 20 **	Site identifier	FBV 2	1080		
1900058	SA 30	SA 30 **	Site identifier	FBV 3	1080		
1900059	SA 40	SA 40 **	Site identifier	FBV 4	1080		
1900060	SA 50	SA 50 **	Site identifier	FBV 5	1080		
1900061	SA 60	SA 60 **	Site identifier	FBV 6	1080		
1900062	SA 70	SA 70 **	Site identifier	FBV 7	1080		
1900063	SA 80	SA 80 **	Site identifier	FBV 8	1080		
1900064	SA 90	SA 90 **	Site identifier	FBV 9	1080		

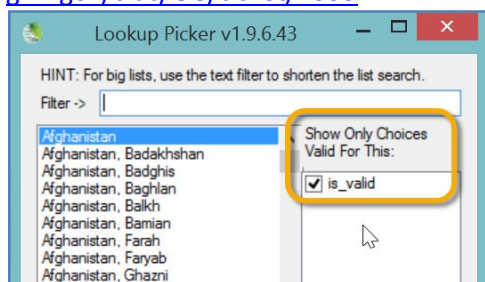
TRAC#1086 – The Cooperator initcap trigger will case check and correct when all the letters are the same case – they will be changed to titlecase (initial capital) – “SMITH” or “smith” becomes “Smith.” <https://www.ars-grin.gov/trac/GG/ticket/1086>

TRAC#1175 – The inventory trigger now makes it possible to have multiple inventory records marked with a “Y” in the **is\_distributable** column. (The column name is “**Is Default Inventory?**”) Note: for any accession, only one inventory record *per germplasm form* (“Inventory Type”) may be flagged with a “Y.” See <https://www.ars-grin.gov/trac/GG/ticket/1175>

Accessions	Inventory	Orders	Cooperators	Order Packing/Picking Report (including disclaimer)			Inventory Maintenance Policy	Get Accession IPR	Geo	Accession Source	Accession In	
	Inventory ID	Inventory Prefix	Inventory Number	Inventory Suffix	Inventory Type	Accession	Inventory Maintenance Policy	Inventory Maintenance Site	Is Default Inventory?	Is Auto Deducted?	Is Available?	Availability Status
	4983394	MAR	198929	REI	**	MAR 198929 REI	SYSTEM	NC7	N	N	N	No value specified
	4983395	MAR	198929	REI	PL	MAR 198929 REI	NC7-legumes	NC7	N	N	N	Available
	4983396	MAR	198929	REI2	PL	MAR 198929 REI	MAR-legumes	NC7	Y	N	Y	Noxious weed
	4983397	MAR	198929	REI3	SC	MAR 198929 REI	MAR-legumes	NC7	Y	N	N	Available


TRAC#1352 – When entering an **Accession\_lpr** record, you can now enter an SMTA record and not be required to complete any other columns. <https://www.ars-grin.gov/trac/GG/ticket/1352>

TRAC#1353 – Invalid flag is now available in the geography lookup picker. If the user unchecks the valid box and selects a country that is no longer considered valid, the trigger converts to the new name if available. The trigger make sit possible to allow linking to invalid entities for historical data when needed. Examples: China-Tibet and the former Czech state Czechoslovakia-Zapadoslovensky convert to “China, Xizang” and “Slovakia, East Slovakia” respectfully. <https://www.ars-grin.gov/trac/GG/ticket/1353>




## GG Public Website

TRAC#1121; TRAC#1164 – The Public Website Front Page had multiple interface changes <https://www.ars-grin.gov/trac/GG/ticket/1121> ; <https://www.ars-grin.gov/trac/GG/ticket/1164> Also, some wording changes were made which required changes to data records in the system database **app\_resource** table.

Logout [mar@rrginc.com](mailto:mar@rrginc.com) No items in cart 

# GRIN-Global (Development)

About NPGS | Contact Us



Accessions > Descriptors > Taxonomy > View Cart > Reports > My Profile > Tools > About GRIN-Global > Help >

NPGS Home Page > Accessions > General

Search For:  ☒ Match All Terms Display: Accessions

Accessions: ☐ Include unavailable ☐ Include historic ☐ With images ☐ With NCBI link ☐ With genomic data

[Advanced Search Criteria](#) Return up to 500 accessions

☐ Alternative Search method using a list of accession identifiers

TRAC#1300 – The **About Us** menu option was added. Also, the NPGSA header text and logo are now clickable. Also now have a new **About NPGS** item next to the **Contact Us** link <https://www.ars-grin.gov/trac/GG/ticket/1300>

TRAC#1309 – An incoming weborder email now includes the ship-to address when a weborder is submitted <https://www.ars-grin.gov/trac/GG/ticket/13069>

TRAC#1247 – The ship-to address is now included on the e-mail notification when the ship-to address is different than the primary contact address <https://www.ars-grin.gov/trac/GG/ticket/1247>

Martin Reisinger  
RRG  
207 Melancthon Ave  
Lutherville, 21093  
Vatican City  
410-666-0100  
[mar@rrginc.com](mailto:mar@rrginc.com)

Shipping Address:

Martin Reisinger  
4620 Pleasant Valley RD  
Not in the barn  
Oakland, Maryland 20193

Instructions:  
need send

Intended use of material:  
Research: Entomological investigations  
Research use notes:  
lookin 4 buggs

Items:  
1 MAR 198929 REI - NC7 - Humulus lupulus  
2 PI 357299 - NC7 - Helianthus tuberosus

TRAC#1310 – The Address on the e-mail that NPGS receives is left aligned for ease of copying <https://www.ars-grin.gov/trac/GG/ticket/1310>

Subject: GRIN-GLOBAL - Public Order from Web (Web Order Number 15956)

New order from the web (shopping cart).

Germplasm Request - Order ID: 15956

Martin Reisinger  
RRG  
207 Melancthon Ave  
Lutherville, 21093  
Vatican City  
410-666-0100  
[mar@rrginc.com](mailto:mar@rrginc.com)

Shipping Address:

Martin Reisinger  
4620 Pleasant Valley RD  
Not in the barn  
Oakland, Maryland 20193

Instructions:  
need send

Intended use of material:

TRAC#1308 – The **Organization** field in the PW user profile is no longer a required field <https://www.ars-grin.gov/trac/GG/ticket/1308>

Accessions > Descriptors > Taxonomy > View Cart > Reports > My Profile > About GRIN-Global > Help >

**Log-in Information**  
 Login User Name: lburkeiowa@gmail.com  
 Password: \*\*\*\*

Please

Title:

\*First Name:

\*Last Name:

Organization:

\*Address Line 1:

Address Line 2:

Address Line 3:

\*Country:

\*City:

\*State/Province:

Shipping Address:

☐ Shipping Address is same

\*Address Name:

\*Shipping Address Line 1:

Shipping Address Line 2:

Shipping Address Line 3:

\*Shipping Country:

\*Shipping City:

\*Shipping State/Province:

Organization no longer a required field.

TRAC#1327 – Criterion Search on Accession group name presents choices sorted alphabetically (web\_lookup\_accession\_group.dataview add "order by group\_name")

Search For:  ☒ Match All Terms Display:

Accessions: ☐ Include unavailable ☐ Include historic ☐ With images ☐ With NCBI link ☐ With genomic data

Advanced Search Criteria Return up to  accessions

Accession Collecting Site Search Criteria

Choose Criterion 1:  - Select -

TRAC#1331 – In the PW, reverse the order request actions so that they go from oldest to newest. <https://www.ars-grin.gov/trac/GG/ticket/1331>

**Order Request Actions:**

Action Date	Action Step	Action Note
September 21, 2016	INSPECT	Order Request Item status_code changed by stacey.estrada@ars.usda.gov to INSPECT for 6 items.
September 21, 2016	INSPECT	Order sent to Plant Inspection by stacey.estrada@ars.usda.gov
September 20, 2016	QUALITYPASSED	
September 6, 2016	ORDFILLED	
September 2, 2016	PENDING	Order Request Item status_code changed by lisa.burke@ars.usda.gov to PENDING for 6 items.
August 12, 2016	CURCLEARED	
August 12, 2016	CURALERTED	
August 10, 2016	INSPECTASKED	
August 10, 2016	NEW	New Order created from Web Order by lisa.burke@ars.usda.gov



## Dataviews

TRAC#1265 – Web order request presentation in Order Wizard not resolving geography\_id

<https://www.ars-grin.gov/trac/GG/ticket/1265>

Web Order Filters

☐ Selection ☐ My Web Orders ☒ My Site's Web Orders ☐ All Sites' Web Orders Date:

Web Order Status: ☐ Reviewing ☒ New

Web Find:

Orders: 5 of 7 Items: 5

Create New Order Request ☒ My Site's Accessions Only Create New Cooperator

Web Order Request ID	Ordered Date	Status	Intended Use	Web Cooperator
15918	10/17/2016	Accepted Order	Research	Burke, Lisa, Garden Prairie Farm

Address Line 1	Address Line 2	Address Line 3	City	Postal Index	Geography
1890 290th Street			Madrid	50156	Iowa, United States

Note: Vanetal Development, Research use notes - Breeding

Special Instruction: GG test order

Web Order Request Item	Cooperator	Web Order Request	Item Number	Accession	Site	Name	Taxon	Geography

TRAC#1332 – Add authority to accepted homonyms in species lookup

<https://www.ars-grin.gov/trac/GG/ticket/1332>

Accession Suffix	Taxon	Name	Origin
REI	Humulus lupulus	MAR 198929 REI	

Lookup Picker v1.9.6.43

HINT: For big lists, use the text filter to shorten the list search.

Filter ->

Show Only Choices Valid For This:

☒ is\_accepted\_name

Refresh List OK Cancel

Lookup Picker v1.9.6.43

HINT: For big lists, use the text filter to shorten the list search.

Filter ->

Show Only Choices Valid For This:

☐ is\_accepted\_name

TRAC#1303 – Those sites who use inventory names heavily would find it useful to have a Name field for the accession top name and an Inventory Name for the Inventory top name in the inventory dataview. Inventory dataview needs both the Name field for top name and "Inventory Name" for the top inventory name <https://www.ars-grin.gov/trac/GG/ticket/1303>

ght	Note	Name	Inventory Name	Taxon	Origin	Percent Viable	Tested Date	Inventory	Created Date
0		GEMN-0048		Zea mays subsp. ...	United States, lo...	96	12/23/2003 11:3...	Ames 27201 03n...	5/17/2003 7:00 ...
0		GEMS-0049		Zea mays subsp. ...	United States, lo...	98	12/23/2003 12:5...	Ames 27202 03n...	5/17/2003 7:00 ...
0		GEMS-0050		Zea mays subsp. ...	United States, lo...	96	12/23/2003 2:44...	Ames 27203 03n...	5/17/2003 7:00 ...
0		GEMS-0061		Zea mays subsp. ...	United States, lo...	100	1/12/2004 4:01 ...	Ames 27214 03n...	5/17/2003 7:00 ...
0		GEMS-0066		Zea mays subsp. ...	United States, lo...	97	1/12/2004 1:44 ...	Ames 27219 03n...	5/17/2003 7:00 ...
0		GEMN-0177	08GEM05047	Zea mays subsp. ...	United States, lo...	94	3/30/2012 9:07 ...	Ames 30792 10n...	12/21/2010 6:00...
0	No phyto	GEMN-0178	08GEM05048	Zea mays subsp. ...	United States, lo...	97	3/30/2012 4:46 ...	Ames 30793 10n...	12/21/2010 6:00...
0	May have had less	GEMS-0072		Zea mays subsp. ...	United States, lo...	95	6/17/2015 3:45 ...	Ames 30945 14n...	2/22/2015 6:00...
0		GEMN-0096	05GEM06042	Zea mays subsp. ...	United States, lo...	100	4/3/2012 10:16 ...	Ames 30965 11n...	5/31/2011 7:00 ...
0		GEMN-0187	09GEM07815	Zea mays subsp. ...	United States, lo...	98	4/3/2012 12:50 ...	Ames 30969 11n...	5/31/2011 7:00 ...
0		GEMN-0192	09GEM07820	Zea mays subsp. ...	United States, lo...	99	4/3/2012 9:20 AM	Ames 30974 11n...	5/31/2011 7:00 ...
0		GEMS-0200	10GEM06840	Zea mays subsp. ...	United States, lo...	92	5/10/2012 2:33 ...	Ames 31483 12n...	5/8/2012 7:00 PM
0		GEMN-0232		Zea mays subsp. ...	United States, N...	92	2/25/2014 9:43 ...	Ames 32114 13n...	1/1/2014 6:00 PM
0	05 Balance Sample	GEMS-0219		Zea mays subsp. ...	United States, lo...	100	2/26/2014 3:47 ...	Ames 32115 13n...	1/30/2014 6:00 ...
0	Bulk of 13ncao01	GEMS-0220		Zea mays subsp. ...	United States, lo...	99	2/26/2014 6:34 ...	Ames 32116 13n...	1/30/2014 6:00 ...
0	Bulk of 13ncao01	GEMS-0235		Zea mays subsp. ...	United States, lo...	100	2/26/2014 8:57 ...	Ames 32118 13n...	1/30/2014 6:00 ...
0	Bulk of 13ncao01	GEMS-0237		Zea mays subsp. ...	United States, lo...	99	2/26/2014 2:58 ...	Ames 32120 13n...	1/30/2014 6:00 ...
0	Bulk of 13ncao01	GEMN-0238		Zea mays subsp. ...	United States, lo...	96	2/26/2014 7:09 ...	Ames 32121 13n...	1/30/2014 6:00 ...
0		GEMN-0235		Zea mays subsp. ...	United States, lo...			Ames 32238 16n...	4/27/2016 5:02 ...

TRAC#1339 – Add a validity flag to the geography lookup <https://www.ars-grin.gov/trac/GG/ticket/1339>

TRAC#1174 – Wrong country used with the accession display on collected from <https://www.ars-grin.gov/trac/GG/ticket/1174>

TRAC#1306 – Descriptor search page could be slow in loading the trait list <https://www.ars-grin.gov/trac/GG/ticket/1306>

TRAC #1327 – Criterion Search on Accession group name should present choices alphabetically sorted <https://www.ars-grin.gov/trac/GG/ticket/1327>

## Data

TRAC#1338 – Need an order action that says "Documentation attached." There is one that looks similar but it says "Documentation available - SMTA accepted". We have been attaching a lot of information to the order attach area and would like to be able to note when we have attached information.

A new ORDER\_REQUEST\_ACTION code was added: **DOCUMENT\_ATTACHED**

492794	285359 - Segué...	Document Attached to order	10/20/2016	mm/dd/yyyy	10/20/2016	mm/dd/yyyy			Additional declaration for PC
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### 1.9.7.1

*Released 2016, June 24*

#### Database changes

- Added type\_code to citation unique index ([trac #1172](#))
- Expanded action\_date in the inventory\_action table to two fields: started\_date and completed\_date ([trac #1150](#))
- Changed coordinates to allow decimals in method table - decimal (18,8) ([trac #1043](#))
- Made cooperator address columns = web cooperator columns ([trac #1074](#))
- Adjusted web order and order item tables' name lengths to match plant\_name - nvarchar(200) ([trac #1263](#))
- Changed the **Is\_hybrid?** field in taxonomy\_genus table to a coded field and added codes ([trac #1257](#))

#### Middle Tier code

- Optimize permission speed ([trac #1250](#))
- PW login problem with too many groups ([trac #1206](#))

#### Trigger code

- Fixed problem that taxonomy triggers do not validate authors with a comma correctly ([trac #1149](#))
- Ensure at least one date is used per inventory\_action table schema changes ([trac #1150](#))

#### Web code

- Stopped the taxonomy species list or taxonomy genera list from crashing at the end of the page
- Fixed web order detail page hyperlinks (taxon, accessiondetail) run time error
- Changed the button text to be "Submitting..."; also, prevented the "Send Request" button on the "Contact Us" page from being clicked multiple times (contact.aspx) ([trac# 1199](#))
- Fixed run-time error when **My Favorites** has more than 1000 items ([trac #1205](#))
- Fixed the broken wiki link due to GG Resource website URL change ([trac #1208](#))
- Added a license.txt file for GG third party tool at the document sub-directory ([trac #1177](#))
- Web user password maximum increased to 256 characters (formerly 12)

#### "web app" dataview and "web report" dataview changes

- The inactive accessions now display as **INACTIVE** rather than **NOT AVAILABLE**
- Increased the loading speed for the crop citation page
- For the accession detail accession source information, enhanced display to include lower level location information such as state, county, etc.
- Fixed multiple accession detail accession source display problems related to wrong country, run state combinations ([trac #1174](#))
- Hid historical countries from the dropdown list for processes such as registration and entering new shipping addresses ([trac #1222](#))

### Client dataview changes for fixings below

- Modified dataview to match the schema change for inventory\_action ([trac #1246](#)) and taxonomy\_genus tables ([trac #1287](#))

### GRIN-Global Updater

- Added capability to be able to point to a secure site (https) ([trac #994](#))

## 1.9.6

*Released 2016, March 7*



No database schema changes were made in this release.

### Web code

- When the number of accession mapped on the map is great than 3000,
  - the google map link will not show on taxon detail page,
  - the google map link will show on the accession detail page, but the google map only show one accession - the selected accession
- User can make 5 login attempts before account is locked out. The number of attempts can be configured through web config file
- "About GRIN Taxonomy for Plants" -- all 15 pages/sections revised; fixed counts, etc.
- "Contact us" page sends out email with ((From author name) appended in the subject line
- Author name is no longer displayed in italics from taxonomy search page (simple query, advanced query, economic plant query)
- Multiple line search (accession search page) was modified to no longer expect a trailing carriage return (will not skip searching the last item on the list)
- Added Reports:
  - Add NPGS summary of holdings report(/query /summary.aspx);
  - Add Sites and Accessions Number Report (/query/accessionbysite.aspx);
- Add capability to open descriptor page by giving crop\_id, for example: descriptors.aspx?cropid=68;
- Fixed accession detail page error when giving accession suffix in the URL;
- When web user changes username(email address), the email address will be synchronized with the web cooperator table data
- Fixed bug that no google map displayed when taxon has all collection sites with multiple accessions
- Don't show marker data link when there is no such data for the crop page;

- User “Account” changed to “Profile” in various pages (required both coding and app\_resource data change)
- With new accession status code 'SECURITY\_BACKUP', 'ACTIVE', various pages code changes made to abandon using status 'INACTIVE' and site 'NSSB' conditions
- Added correct italic/non-italic for taxon family, genus and species Synonym and sub division listing display
- Added Synonym Signs to the synonyms list for taxon
- Added the capability that “Contact us” page getting subject list from database so Admin could add more items through 'CONTACT\_SUBJECT' code group. If there is no value in the DB, it uses the existing static subject list
- Added one page to be the taxon menu option which list all taxon search choices;
- Directly calculate the file location instead of pointing to PERL script to View original Plant Inventory data (pdf file)
- Added “New Search” box on the taxonomydetail page if "simple taxon" query was performed by the user in the session
- Added the capability user entering genus+species or common name etc generic term to the query string to search simple query form;
- Fixed “Descriptor Export With Option” page run time error due to various fields name mismatch between coding/display/dataview;
- Changed Verbiage on the Descriptor Page
- Modified time delay for flash message on the top of the page (from 20 to 30 seconds)
- Enabled adding to order button only when there is available accession in “My Favorites” list
- Change the way SQL connections are placed so both DataManager and DataManagerWeb connections are accessible after installing web app. (only one connection was accessible before due to some limitation in code WebInstaller.cs)

### Trigger code

- accession data trigger was modified so spurious REIDENT annotations are not created

### “Web App” dataview and “Web Report” dataview changes for fixings below:

- site page cooperater/species list error
- taxon non-truncated name
- missing taxon genus link/report with multiple alt family names
- field book report with complete trait list
- google mapping missing some spot display
- speed up descriptor detail page loading time. etc.
- interpret meanings of different types of synonym for genus
- SMTA report, site user report

### Client dataview changes for fixings below:

- For report, order packing, get taxon noxious and get taxon geography map etc... 34 dataviews were loaded/changed, see image below for the list:

Name	Title	Category	Database Area
web_lookup_continent	Web Lookup Continent	Web Application	
web_site_curator	Web Site Curator	Web Application	
web_descriptorbrowse_trait_export	Web Descriptor Result Export	Web Application	
web_site_taxon_summary	Web Site Taxon Summary	Web Application	
web_site_taxon	Web Site Taxon	Web Application	
web_site_taxon_accessionlist	Web Site Taxon Accession List	Web Application	
web_descriptor_value_accession2	Web Descriptor Accession List 2	Web Application	
web_descriptorbrowse_trait_fieldbook1	Web Descriptor Result Export Fieldbooks 1	Web Application	
web_accession_maps	Web Accession Maps	Web Application	
web_descriptor_detail_method	Web Descriptor Detail Method	Web Application	
web_accession_maps_one	Web Accession Maps	Web Application	
web_summary_accessions_bysite	Web Summary Accessions By Site	Web Application	
web_summary_diversity	Web Summary Diversity	Web Application	
web_taxonomy_species_summary	Web Taxonomy Species Summary	Web Application	
web_taxonomygenus_summary	Web Taxonomy Genus Summary	Web Application	
web_search_overview	Web Search Overview	Web Application	Search
web_order_request_item_list	Web Order Request Items to Process	Web Application	Order
web_order_request_item_list_2	Web Order Request Items to Process	Web Application	Order
web_qry_avail_accession_at_site	List available accessions from a site	Web Reports	
web_accessiondetail_inventory_other	Web Accession Detail Inventory Other	Web Application	
web_order_history_detail	Web Order History Detail	Web Application	Order
web_order_request_item_display	Web Order Request Items to Display	Web Application	Order
web_taxonomygenus_subdivisions	Web Taxonomygenus Subdivisions Dataview	Web Application	
web_crop_species	Web Crop Species	Web Application	
web_lookup_taxon_crop	Web Lookup Taxon CWR Crop	Web Application	
web_qry_order_smta	Order - Accessions flagged with SMTA	Web Reports	Order
get_taxonomy_geography_map	Get Taxonomy Geography Map	Client	Taxonomy
get_order_request_action	Get Order Request Action	Client	Order
web_descriptor_detail_download	Web Descriptor Detail Download	Web Application	
order_packing_nsgc	Order - Packing slip for site NSGC only (including...	Reports	Order
order_packing	Order Packing/Picking Report (including disclai...	Reports	Order
rpt_nc7_field_label	NC7 Field Label Report	Reports	Accession/Inve...
get_taxonomy_noxious	Get Taxonomy Noxious	Client	Taxonomy
web_qry_list_users_at_site	List users at site	Web Reports	Site
web_accessiondetail_availability	Web Accession Detail Availability	Web Application	

## 1.9.5

*Released 2015, April 13*

Changes added more security protection to GG PW application, by adding sanitation to the user input, applying read-only SQL server connection, and using parameterized query in various areas.

No GRIN-Global PW function was affected by these changes.

## 1.9.4.2

### *Released 2015*

Changes made were for addressing ARS OCIO 06-05-2015 dynamic scan's four Cross-Site Scripting Issues (reported issues are on search.aspx pages, the general search page)

This new PW version prevents a script alert from happening, whereas in previous versions, if the user typed "<script>alert('here!')</script>" in the search box, the script would run and you would see it coming back as an alert.

## 1.9.4

### *Released 2014, December 29*

Recent changes had been coded to process / handle the **is\_web\_visible** field added to **accession\_action**. This release corrected one of the changes that had missed a quotation mark.

## 1.9.3

### *Released 2014, December 19*

DB Schema changes:

- removed taxonomy\_species\_id from inventory\_viability\_rule; renamed 2 columns, different unique key
- app\_setting value expanded to [nvarchar](max)
- accession\_inv\_name plant\_nam expanded to [nvarchar](200); also is\_web\_visible is not null
- cooperator organization length expanded from 70 to 100

### **DB base data:**

- deleted 40 inventory\_status\_code codes
- added 3 geography country codes
- added descriptions for 3 missing MTA IPR codes
- modified/added app\_resource/app\_setting values for menu items, help prompt text, disclaimer content...
- added same descriptions as English for ENG lang in sys\_table\_field\_lang table

### **GG PW:**

- added new taxonomy economic search page
- added taxonomy crop wild relative search page
- fixed error that < 1 distribution quantity not showing on accession\_detail page
- added link so 'not able to add to cart' item can be seen
- added 'not equal to' operator for text box search in accession advanced search



- accession action note show/no show will only depend on is\_web\_visible flag on accession\_action table
- fixed error descriptor detail page image link display blank image
- add inventory ids... into fieldbook report from Reports menu
- when is\_web\_visible is N for accession record, it will not be searchable
- contact us page now send cc email to the sender
- user could chose not to enter 'state', then program just use 'country' during registration

...

Dataview changes: (see screen shot below)

localhost/sqlserver - sqlserver > [Dataviews](#)

Name	Title	Category	Database Area	Last Touched
web_accessiondetail_availability	Web Accession Detail Availability	Web Application		12/19/2014 8:39:24 PM
web_accessiondetail_citations	Web Accession Detail Citations	Web Application		12/19/2014 8:38:49 PM
web_lookup_taxon_crop	Web Lookup Taxon CWR Crop	Web Application		12/19/2014 8:37:23 PM
web_lookup_taxon_use_subclass	Web Lookup Taxon Use Subclass	Web Application		12/19/2014 8:37:16 PM
web_lookup_state_list	Web Lookup State List	Web Application		12/19/2014 8:37:08 PM
web_lookup_taxon_family_eco	Web Lookup Taxon Family for Economic	Web Application		12/19/2014 8:32:38 PM
web_lookup_taxon_family	Web Lookup Taxon Family	Web Application		12/19/2014 8:32:37 PM
web_lookup_taxon_family_cwr	Web Lookup Taxon Family for CWR	Web Application		12/19/2014 8:32:37 PM
web_taxonomy_cwr_crop_taxon	Web Taxonomy CWR Crop Taxon	Web Application		12/19/2014 8:27:28 PM
viability_wizard_get_inventory_viability	Get Inventory Viability	CT Wizards	Inventory	12/19/2014 8:10:56 PM
viability_wizard_get_inventory_viability_data	Get Inventory Viability Data	CT Wizards	Inventory	12/19/2014 8:10:56 PM
viability_wizard_get_inventory_viability_rule	Get Inventory Viability Rule	CT Wizards	Inventory	12/19/2014 8:10:56 PM
viability_wizard_get_inventory_viability_rule_map	Get Inventory Viability Rule Map	CT Wizards	Inventory	12/19/2014 8:10:56 PM
get_inventory_viability_data	Get Inventory Viability Data	Client	Inventory	12/19/2014 8:10:55 PM
get_inventory_viability_rule	Get Inventory Viability Rule	Client	Inventory	12/19/2014 8:10:55 PM
get_inventory_viability_rule_map	Get Inventory Viability Rule Map	Client	Inventory	12/19/2014 8:10:55 PM
inventory_viability_rule_lookup	Inventory Viability Rule Lookup	Lookups	Lookup Table	12/19/2014 8:10:55 PM
order_wizard_get_web_order_request	OrderWizard Get Web Order Request	CT Wizards	System	12/19/2014 8:10:55 PM
viability_wizard_get_inventory	Get Inventory	CT Wizards	Inventory	12/19/2014 8:10:55 PM
get_web_order_request_attach	Get Web Order Request Attach	Client	Web	12/19/2014 3:32:32 PM
get_source_descriptor_code_lang	Get Source Descriptor Code Lang	Client	Source/Habitat	12/19/2014 3:32:23 PM
get_crop_trait_attach	Get Crop Trait Attach	Client	Crop	12/19/2014 3:29:38 PM
web_accessiondetail_action_note	Web Accession Action Note	Web Application		12/19/2014 1:05:57 PM
web_taxonomy_species_view_accessionlist	Web Taxonomy Species View Accession List	Web Application		12/19/2014 12:45:15 PM
web_taxonomy_species_summary	Web Taxonomy Species Summary	Web Application		12/19/2014 12:45:14 PM
web_taxonomy_genus_view_accessionlist	Web Taxonomy Genus View Accession List	Web Application		12/19/2014 12:45:13 PM
web_taxonomy_genus_summary	Web Taxonomy Genus Summary	Web Application		12/19/2014 12:45:12 PM
web_site_taxon_accessionlist	Web Site Taxon Accession List	Web Application		12/19/2014 12:45:11 PM
web_site_taxon	Web Site Taxon	Web Application		12/19/2014 12:45:10 PM
web_method_descriptor_accession	Web Method Descriptor Accession List	Web Application		12/19/2014 12:45:09 PM
web_descriptor_value_accession3	Web Descriptor Accession List 3	Web Application		12/19/2014 12:45:07 PM
web_descriptor_value_accession1	Web Descriptor Accession List 1	Web Application		12/19/2014 12:45:06 PM
web_descriptor_value_accession2	Web Descriptor Accession List 2	Web Application		12/19/2014 12:45:06 PM
web_qry_fieldbook	Export - Fieldbook in CSV Format	Web Reports		12/19/2014 12:45:05 PM
web_descriptorbrowse_trait_fieldbook2o	Web Descriptor Result Export Fieldbooks 2 Per ...	Web Application		12/19/2014 12:45:04 PM
web_taxonomy_cwr_reference	Web Taxonomy CWR Crop Taxon	Web Application		12/19/2014 12:45:03 PM
web_image	Web Image	Web Application		12/19/2014 12:45:02 PM
web_descriptor_detail_attach	Web Descriptor Detail Attachment	Web Application		12/19/2014 12:45:01 PM
web_accessiondetail_summary	Web Accession Detail Summary	Web Application		12/19/2014 12:44:59 PM
web_accessiondetail_accessionnames	Web Accession Detail Accession Names	Web Application		12/19/2014 12:44:56 PM
web_lookup_taxon_use_class	Web Lookup Taxon Use Class	Web Application		12/19/2014 12:44:55 PM
web_accessiondetail_srcistory	Web Accession Detail Source History	Web Application		12/19/2014 12:44:54 PM
get_sys_dataview_field_lang	Get Sys Dataview Field Lang	Client	System	12/19/2014 12:23:47 PM
get_sys_table_field_lang	Get Sys Table Field Lang	Client	System	12/19/2014 12:23:47 PM
sys_dataview_field_lookup	Sys Table Field Lookup	Lookups	Lookup Table	12/19/2014 12:23:47 PM
sys_dataview_lookup	Sys Dataview Lookup	Lookups	Lookup Table	12/19/2014 12:23:47 PM
sys_matrix_input	sys matrix input	System	System	12/19/2014 12:23:47 PM
sys_table_field_lookup	Sys Table Field Lookup	Lookups	Lookup Table	12/19/2014 12:23:47 PM
sys_table_lookup	Sys Table Lookup	Lookups	Lookup Table	12/19/2014 12:23:47 PM
import_inventory_maint_policy	10 - Inventory Maintenance Policy	Import Wizard	Import Wizard	12/19/2014 12:18:07 PM
web_lookup_region	Web Lookup Region	Web Application		10/9/2014 5:22:51 PM



## 1.9.2

*Released 2014, October 14*

### Schema/data:

- added **English** descriptions to client tables fields (sys\_table\_field\_lang) (CT user would see this description data **for each table's column** from the Grid column heading)
- added 'ACTIVE' to the ACCESSION\_STATUS code group
- set status\_code column with default value 'ACTIVE' in the accession table mapping
- added back 'DONE' code in ORDER\_REQUEST\_ACTION
- CURATOR code under ORDER\_REQUEST\_ACTION group title is changed to 'Curator assigned'
- add is\_web\_visible to table accession\_inv\_name
- updated to DATE\_FORMAT code group titles/descriptions
- disabled OrderRequestCoopCatDataTrigger by default
- from AT table mapping, added drop downs for citation table (type\_code), web\_cart table (cart\_type), web\_order\_request\_item table(distribution\_form\_code , status\_code, unit\_of\_shipped\_code), web\_order\_action table (action\_code)

...

### GG PW/Middle tier

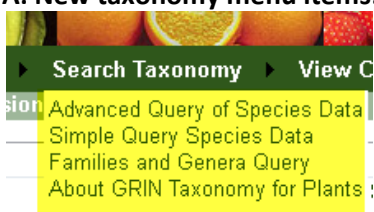
- Added new items under Taxonomy menu:
  - taxonomy simple search
  - taxonomy advanced search
  - family and genus search
  - about taxonomy
- Added original Plant Inventory data (PI Book) and Plant immigrant series data info/pdf link on the accession detail page
- Added the distribution unit for the available accession in accession detail display;
- Fixed bugs such as: display image when the URL is embedded in the note field of trait;
- Removed duplicate obs value from the observation display;
- Show unique state only once when choosing location;
- Display citation URL link in accession detail if there is any;
- Added the function to export only displayed trait in the descriptor search result export page;
- No validation on zip code entry, and move the country up above state in address entry page;

This build has newly created **taxonomy** pages that basically follow the GRIN style, but with certain behavior changes, such as when no record returns, the user will stay in the same page (while GC displays a different page, then when user choose back, all their previous entered search criteria are gone) , user could see and fine tune the search condition right on the page, and there are some added drop down lists such as on advanced search page, when one country is selected, then the state/province list for the country is shown in the list ...)

## New and modified dataview

Name	Title	Category	Database Area
web_lookup_taxon_family	Web Lookup Taxon Family	Web Application	
web_lookup_region	Web Lookup Region	Web Application	
web_lookup_country_taxon	Web Lookup Country List With IDs for Taxon Se...	Web Application	
web_lookup_continent	Web Lookup Continent	Web Application	
order_wizard_get_web_order_request_attach	OrderWizard Get Web Order Request Attach	CT Wizards	System
order_wizard_get_web_order_request_item	OrderWizard Get Web Order Request Item	CT Wizards	System
order_wizard_get_inventory	OrderWizard Get Inventory	CT Wizards	System
order_wizard_get_order_request	OrderWizard Get Order Request	CT Wizards	System
order_wizard_get_order_request_action	OrderWizard Get Order Request Action	CT Wizards	System
order_wizard_get_order_request_attach	Order Wizard Get Order Request Attach	CT Wizards	System
order_wizard_get_order_request_item	OrderWizard Get Order Request Item	CT Wizards	System
order_wizard_get_packet_label	OrderWizard Get Packet Label	CT Wizards	System
order_wizard_get_web_order_request	OrderWizard Get Web Order Request	CT Wizards	System
order_wizard_get_web_order_request_action	OrderWizard Get Web Order Request Action	CT Wizards	System
get_inventory	Get Inventory	Client	Inventory
get_crop_trait_code_attach	Get Crop Trait Code Attach	Client	Crop
get_inventory_action	Get Inventory Action	Client	Inventory
get_inventory_quality_status	Get Inventory Quality Status	Client	Inventory
get_inventory_viability	Get Inventory Viability	Client	Inventory
get_order_request_action	Get Order Request Action	Client	Order
get_order_request_attach	Get Order Request Attach	Client	Order
get_accession_inv_annotation	Get Accession Inventory Annotation	Client	Accession/Inventory
get_accession_inv_attach	Get Accession Inventory Attach	Client	Accession/Inventory
get_accession_inv_voucher	Get Accession Inventory Voucher	Client	Accession/Inventory
get_accession_pedigree	Get Accession Pedigree	Client	Accession
get_accession_source	Get Accession Source	Client	Accession
get_accession_source_cooperator	Get Accession Source Cooperator	Client	Accession
get_crop_attach	Get Crop Attach	Client	Crop
get_crop_trait_attach	Get Crop Trait Attach	Client	Crop
get_accession	Get Accession	Client	Accession
get_accession_action	Get Accession Action	Client	Accession
get_taxonomy_species_citation	Get Taxonomy Species Citation	Client	Taxonomy
get_inventory_viability_data	Get Inventory Viability Data	Client	Inventory
get_accession_inv_name	Get Accession Inventory Name	Client	Accession/Inventory
get_taxonomy_crop_map	Get Taxonomy Crop Map	Client	Taxonomy
mailing_geography_lookup	Mailing Geography Lookup	Lookups	Lookup Table
taxonomy_species_lookup	Taxonomy Species Lookup	Lookups	Lookup Table
web_accessiondetail_accessionnames	Web Accession Detail Accession Names	Web Application	
web_accessiondetail_citations	Web Accession Detail Citations	Web Application	
web_accessiondetail_piindex	Web Accession Detail Plant Immigrant Index	Web Application	
web_accessiondetail_piindex	Web Accession Detail PI Book Index	Web Application	
web_accessiondetail_pi	Web Accession Detail PI Book Information	Web Application	
web_lookup_state_list	Web Lookup State List	Web Application	
web_lookup_country_list_ids	Web Lookup Country List With IDs	Web Application	
web_accessiondetail_availability	Web Accession Detail Availability	Web Application	
web_qry_fieldbook	Export - Fieldbook in CSV Format	Web Reports	

## A: New taxonomy menu items:



## B: Taxon advanced search page:

Home Page > Search Taxonomy > Advanced Query of Species Data

---

**Advanced Query of GRIN TAXONOMY Species Data**

---

Any or all fields can be searched. Wild cards (\*) are accepted. Multiple values could be selected from list boxes.

Genus or species name:  (e.g. *Arachis* or *Zea Mays* [without author])

Family(ies): 

ALL FAMILIES  
 all pteridophytes  
 all gymnosperms  
 all angiosperms  
 plant pathogens  
 Abaminaceae

Common name:  (e.g. maize [no diacritics])

Native distribution: Continent:  Region:

Country(ies): 

ALL COUNTRIES  
 Afghanistan  
 Albania  
 Algeria  
 Andorra

State/Province:  (e.g. Alabama)

Non-native distribution: (entry as ☒ Or ☐ And criterion)  (e.g. cultivated, naturalized, Africa, United States, Macaronesia)

☐ Restrict to only accepted names  
☐ Restrict to names with germplasm in GRIN

## C: Taxon simple search page:

Home Page > Search Taxonomy > Simple Query Species Data

---

**Simple Query of GRIN TAXONOMY Species Data**

---

Enter search criterion. Wild cards (\*) are accepted:

---

You can search for any one of these identifiers:

- **Scientific name** (e.g. *Triticum aestivum* [without author]).
- **Common name** (e.g. wheat [no diacritics]).
- **Genus name** (e.g. *Triticum*).
- **Family name** (e.g. Poaceae).
- **Species nomen number** (e.g. 40544).
- **Country in species native range** (e.g. Zaire).

## D: About taxonomy header page:

Home Page > Search Taxonomy > About GRIN Taxonomy for Plants

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**TAXONOMIC INFORMATION ON CULTIVATED PLANTS IN THE USDA-ARS GERMPLASM RESOURCES INFORMATION NETWORK (GRIN)**

John H. Wiersma  
National Germplasm Resources Laboratory  
Agricultural Research Service  
United States Department of Agriculture  
Beltsville, Maryland 20705-2350, U.S.A.

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Updated, modified version of paper presented to the "Second International Symposium on the Taxonomy of Cultivated Plants" in Seattle, Washington, USA (10-15 August 1994)

<ul style="list-style-type: none"> <li>• <a href="#">Summary</a></li> <li>• <a href="#">Introduction</a></li> <li>• <a href="#">History of GRIN Taxonomy</a></li> <li>• <a href="#">Scope of GRIN Taxonomy</a></li> <li>• <a href="#">Scientific Names</a></li> <li>• <a href="#">Common Names</a></li> <li>• <a href="#">Economic Importance</a></li> <li>• <a href="#">Geographical Distribution</a></li> </ul>	<ul style="list-style-type: none"> <li>• <a href="#">Literature References</a></li> <li>• <a href="#">Special-Purpose Data Sets</a></li> <li>• <a href="#">Basis of Taxonomic Decisions</a></li> <li>• <a href="#">Concluding Remarks</a></li> <li>• <a href="#">Acknowledgements</a></li> <li>• <a href="#">References Cited</a></li> <li>• <a href="#">Symbols and Abbreviations</a></li> </ul>
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### 1.9.1

*Released 2014, July*



Current CT V1.9.6.35 must be coupled with Server 1.9.1 to work optimally.

- Added missing SE RegEx pattern item into web.config;
- Fixed a disconnected link in the new web order detail report page;
- Slightly modified taxon species lookup dataview to compare using `current_taxonomy_species_id` instead of `synonym_code`;
- Added the missing `sys_table_field_lang` for the 5 altered/added table columns from v1.9.0 build, see below (listed them as table name → column name):
  - `inventory_maint_policy` → `quantity_on_hand_unit_code`
  - `genetic_marker` → `poly_type_code`
  - `taxonomy_common_name` → `citation_id`
  - `taxonomy_use` → `citation_id`
  - `taxonomy_geography_map` → `citation_id`
- Added `citation_id` to the uniq index of tables `taxonomy_common_name`, `taxonomy_use` and `taxonomy_geography_map`;
- Added a new 'CT Wizards' dataview category code, and moved all 10 'Order Wizard' dataviews to this new category with `database_area_code` as 'Order';