

GRIN-Global Server Release Notes



Revision Date

June 6, 2023

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Abbreviations Used

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

2.3.4.1

June 6, 2023

Three bug fixes were implemented in this minor release.

Trac Ticket #	Category	Description / Notes
2814	Public Website	Fixed a bug that occurred only when Home Gardening web order requests were submitted; all other types were successful.
2815	Public Website	Corrected an error some users were receiving when they attempted to review their order history details. (The same issue occurred for the internal staff's "A web user's detail history report.")
2817	Public Website	Changed a field name – a server error indicated that "repository" was missing from the data source.

2.3.4

Modifications primarily improved user experience with the GRIN-Global public website and in a few cases with the Curator Tool, adding clarity and consistent formatting or wording. Some recent, relatively minor bugs were corrected. Most notable, added a PDF download option for all data reports.

Trac Ticket #	Category	Description / Notes
1415	Public Website	Modified code. Now searches a site's Cooperator record to determine if the availability status should display "CONTACT SITE."
2056	Public Website	Added a hint for selecting a range of values (BETWEEN equivalent).
2066	Public Website	Edited wording on several pages – replaced "repository" with "genebank." Also modified relevant dataviews.
2471	Taxonomy	On the family detail page, a link added under "List of genera records in GRIN" that reads "Genera formerly in family." Link produces a table of genera and their current family assignment of genera formerly in a family.
2565	Taxonomy	Updated the Summary box on the taxonomy family page to hide Alternate Name if not applicable and added "Kind of family:" and displayed the title that corresponds to the correct taxonomy_family_type group code in the code value table.
2580	Schema	Removed life_form_code from the get_taxonomy_species dataview.
2616	Public Website	Corrected the viewprofile page so that the Cancel button works properly when a new user clicks to edit, then cancels and doesn't fill in information.
2715	Public Website	Added frequency to the accession results observation page in the accession search, similar to the descriptor page.
2720	Dataview	Changed web dataview to use data in the database (cooperator secondary_email field) for web order email address.
2754	Public Website	Modified descriptor so that the method is shown as a link after the frequency.
2764	Public Website	Modified cart view and orders so they both have the same columns and are in the same order. Other minor formatting changes were made.

2765	Public Website	Modified display by adding space after reference_title in Citations.
2768	Public Website	Added script to Script/acctablesript.js, acctablesriptdoi.js, acctablesriptni.js, acctablesriptnidoi.js to replace leading and trailing single quotes with nothing so cultivar names do not have the quotes when exported.
2776	Public Website	Modified the aweborderdetail query (internal "A User's Web Order Detail View" report) so that the Excel button exports table data.
2777	Public Website	Modified orderhistorydetail to export an Excel spreadsheet that has the same column names and order as the PW, with the addition of the date submitted.
2778	Public Website	Changed the crop detail page to show the materials_and_methods column as a separate column rather than a hover over.
2781	Public Website	Modified ordershistorydetail (and similar query/aweborderhistory) to include a "Contact Site" link. The mouseover shows the site's order email address and when clicked opens the client's email application. The email will use the site's order email address in the To box, the text "Web Request" displays in the Subject line and includes the web request number. The email body begins with "Request information regarding (action title) of order number (order number)."
2782	Public Website	Hid all NRR -related actions from PW history detail.
2785	Dataview	Changed the Curator Tool inventory dataview's friendly heading name from "Availability Status" to "Inventory Status."
2788	Public Website	Added a new method (NPGSOrderEmail) in Utils for obtaining NPGS order email addresses. When the site short name is passed to it, the method formats the email address.
2789	Public Website	The Site Map was updated to include the new GRIN-U link from the menu.
2796	Public Website	Modified the wording in the Contact us form indicating to the requester to supply the web request #. Also, changed the left heading to: "Web request:"
2797	Public Website	Language was changed on multiple web pages to differentiate "Web Request Number" and "Order Number."

2800	Public Website / Taxonomy	Corrected a bug where the species list from a genus page wasn't alphabetized.
2801	Public Website	Changed query/query (reports) to add an option for PDF downloads. Also consistently used the report name as the file name for the downloaded file.
2803	Public Website	Added an .ico image with the GRIN-Global website. (An ico image displays on the browser tab.)
2804	Public Website	Changed a control on the user profile page to catch errors caused by the profile having a country/region no longer considered valid.
2808	Public Website	Modified code to eliminate SMTA showing up for accessions that weren't. Also corrected an error when the submit button became inactive on a page repost; the code was not honoring the 150 characters requirement in the objectives box.
2809	Public Website	Corrected controls with country/state to ensure that only a numeric value can be passed to get the state list.

2.3.3

Requestors will now receive a link to the FAQ document about order processing and shipping in the system-generated acknowledgement email they receive after submitting a request. A second improvement created a field to enter the Web Order Number in the Contact Us form. When this information is entered, the system routes the email directly to the site Outlook box(es). Also in this release, images of plant parts can be selected in the Advanced Search criterion.

Trac Ticket #	Category	Description / Notes
2003	Dataview	Both the CT report and the PW report have been modified to show the same list of active users at the site. Changes were made to the following dataviews: rpt_cooperator_by_site_20230203 web_qry_list_users_at_site_20230203 sys_matrix_input_20230203
2587	Dataview	Enhanced the CT Code Value Language dataview get_code_value_lang to display two additional columns: the group name and the codes.
2611	Public Website	In general, made changes to make the page more user friendly, including moving the order request actions directly below the requestor's address near the screen's top.
2613	Public Website	Corrected an error in the Order form. Now when the requester selects the country name data from the database, the code value is restricted with a WHERE clause so that the selection is made from the GEOGRAPHY_COUNTRY_CODE group.
2625	Public Website	Added a link in the Email that requestors receive that takes them to the Order specific FAQ
2642	Public Website / Taxonomy	Made changes to the taxonomysearch family section to add a dropdown list of values above from family_type_code in the taxonomy_family table.
2648	Public Website / Taxonomy	Added taxonomy_species_ID as a column to all exported Excel or CSV files that generate a list of species from one of the taxonomy searches.
2661	Public Website	Changed controls/accessiondetail/accessiongroup so that when an accession is in more than one group the pages would be able to properly handle multiple groups.
2662	Public Website	Editing / text changes were made to the "new user" profile pages to address a couple of minor issues.
2665	Public Website / Taxonomy	Added code so that if a user looks for hybrid parentage and there aren't any in the species table, it looks for the hybrid in the genus

Trac Ticket #	Category	Description / Notes
		table and displays in the genus results table. If a user exports to CSV, the equal sign in front of the hybrid parentage (the note field in the genus table) will not be displayed to avoid an Excel / CSV issue when the CSV is opened in Excel. Made changes to taxonomysearch and TaxonUtil.
2673	Public Website	Corrected a SQL error on the descriptor search page when the search included the advanced criteria for scientific name.
2676	Public Website	Added the accession Top name to the order item list generated by the order confirmation email.
2677	Public Website	The dropdown was changed to list "Accession Narrative Field" instead of "Note." This matches the label heading under Passport data. (In the CT, this data comes from the Accession.Note field.)
2678	Public Website	Formatted the emails/Orders.html and put the items into table format for easier reading.
2682	Public Website	Enhanced the search for the plant name by embedding the text within wildcards to widen the search.
2690	Public Website	Editing / text changes were made to the "User Profile Register" pages.
2693	Public Website	Included logic when considering Names to require is_web_visible in PW the search criteria.
2694	Public Website	Duplicated and modified the existing Web Order Detail report so that internal genebank staff could access essentially a clone of the report that external requesters see.
2695	Public Website / Taxonomy	Sorted the World Economic Plants (WEP) subclasses so that items would be listed alphabetically.
2696	Public Website / Taxonomy	Corrected the sorting logic to add a space between species and author for more accurate sorting.
2699	Public Website	Added another option, "Web Order Status Question" to the Contact Us drop down.
2700	Public Website / Taxonomy	Changed taxonomydetail page so that Usage has its own results table; all columns now display.

Trac Ticket #	Category	Description / Notes
2703	Public Website	When the user supplies a valid web request number on the Contact Us form, the resulting email is directed to the sites involved with that WOR.
2706	Public Website	There was a question on leaving the asterisk in for each % frequency value; the asterisk has been removed from % (frequency) values on trait displays.
2708	Dataviews	Enhanced the get_dataview_list dataview to include CT Wizard dataviews. This capability is needed for a new Report Manager to be included in a future CT release.
2709	Public Website	Changed the font-family for the text used in creating PW web queries to a monospace font. Also removed the spell check feature from the SQL Query box.
2717	Public Website	Added "image for plant parts" as a new category for advanced accession/descriptor searches. Also changed controls/ adv criteria to use the ATTACH_DESCRIPTION_CODE in the code_value_lang table for possible plant parts.
2718	Public Website	Added a new feature where a link now displays for the total number of accessions referenced by a citation (under the "Other" tab). Also, clicking the link initiates a query of the citation table for all accessions under that literature_id.
2721	Public Website	Changed the text "Order Number" displayed twice on the user's order history details, including the prominent top left corner. Text was changed to "Web Request" to reduce some confusion by differentiating from the final order numbers assigned by the wizard.
2732	Public Website	Corrected the display of criteria that were used when the user had selected multiple values in the "other search criteria" dropdown. Previously, the display only showed the first criteria, even though the search was performing correctly and using all selected criteria.
2733	Search Engine	Corrected the Search Engine to accept Unicode space variants in the query. This eliminates errors occurring when a requester pastes from sources using special formatting.
2741	Middle Tier	Enhanced the server Middle Tier SaveData method to enforce values going into coded *_code fields and the Boolean is_* fields (SMALL_SINGLE_SELECT_CONTROL and TOGGLE_CONTROL). Coded fields will now be limited to accepting values from the code_value table for the code group. Boolean fields will be limited to either Y or

Trac Ticket #	Category	Description / Notes
		N. Invalid values will throw an exception back to the CT as with any other error, with the row (record) not going into the database.
2742	Trigger	Corrected the Cooperator trigger so that it will leave null strings null.
2746	Public Website	Made the Order request action comment code web visible so that the external users can see it.
2750	Public Website	Corrected a display - synonyms were showing on homonym pages even when the homonym isn't an accepted name.
2753	Public Website	Addressed a bug that occurred when an accession search returned no results; the search parameters weren't shown. To remedy this, the results panel was moved further down on the page so that the query display is shown even when the search doesn't return any accessions matching the search criteria.
2757	Public Website	Corrected an error when the acceptance of SMTA was blocking the functioning of the Order Submit button.

2.3.2

November 19, 2022

In this server release, many changes were made to web pages to adhere to Web Content Accessibility Guidelines (WCAG). Other enhancements to the GG Public Website were made to improve its usability or and consistency.

Trac Ticket #	Category	Description / Notes
1947	Public Website	In the Advanced Search, the Accession Narrative field is now included as a searchable field.
2367	Public Website	Availability of items in the cart is checked now at the time when the user submits the request. This remedies scenarios when a user had previously added items to the cart, but then at the time when the request is submitted, these items are no longer available.
2417	Public Website	Added verbiage on the request form indicating that the intended use needs to be detailed.
2530	Public Website	Public Website now can display accession inventory group images.
2554	Public Website	Added a search box on the species tab to enable searches using wildcarded text from the new hybrid_parentage field.
2555	Public Website	Added a line for Hybrid parentage to be displayed in the Summary block when the field is not null.
2593	Public Website	Added a character count requirement (150 characters), for the intended use box in the request form.
2598	Public Website	The email subject line on emails generated by the GG Contact Us form now includes “GRIN-Global Help” in the subject line, making it easier to recognize the email’s source.
2606	Public Website	Corrected the parameter display in the World Economic Plant (WEP) taxonomy page to stop retaining information from the previous search.
2608	Public Website	Improved file upload security by adding a new parameter to the web.config that creates a whitelist for the uploader of allowable file extensions that can be uploaded. (The uploader now checks for both a blacklist and the new whitelist.)
2614	Public Website	Added a search box for Crop common name in the Crop Wild Relatives (CWR) page that queries the CWR map table for crop common name as the main search term.

Trac Ticket #	Category	Description / Notes
2615	Public Website	Included the taxonomy_species_ID column in downloads resulting from a search on either of the WEP taxonomy or the nodulation pages.
2617	Public Website	Corrected the common name search on the World Economic Plants (WEP) page to return only the common names included by the search term and not common names that only match taxa. Also, modified the text used for the common name heading.
2618	Public Website	Changed the WEP page's title to "World Economic Plants GRIN-Global." (The title displays in a browser's tab.)
2619	Trigger	A trigger (the OrderRequestPhytoLogDataTrigger) was modified to generate Order Request Action records when information is filled in the "Setup Inspection date" and the "Inspected date" columns of the Order Request Phyto Log. The respective (new) codes are used in the action records: ORDER_REQUEST_ACTION.INSPECT_SETUP ORDER_REQUEST_ACTION.INSPECT_DONE
2622	Public Website	Updated the PW user's history page to display the new order request action codes pertaining to the request's phytosanitary inspection status. Codes: ORDER_REQUEST_ACTION.INSPECT_SETUP ORDER_REQUEST_ACTION.INSPECT_DONE
2628	Public Website	Several updates were made to the SMTA related text. Our link was updated to https://www.fao.org/3/bc083e/bc083e.pdf This link will now open the SMTA PDF in a new browser session. Also, the Regex now looks for either http or https url's when converting into a link.
2629	Taxonomy Pages	To calculate the genus and species count throughout the "about taxonomy" page, the SQL was changed to include only accessions that are marked is_web_visible.
2630	Public Website	Corrected the heading font size on all Crop Wild Relatives (CWR) detail pages to be consistent with other pages.
2631	Data Trigger	The cooperator DataTrigger now automatically removes leading and trailing spaces entered by a user in cooperator record text fields.
2632	Public Website	Corrected the operators (> and <) used in the starting and ending date range calculations to be inclusive (>= and <=) when determining

Trac Ticket #	Category	Description / Notes
		seasonal inventory.
2637	Public Website	Changed accession search results header to meet WCAG (accessibility) requirements.
2638	Public Website	Corrected the search result page to not cause a run time error when an accession with multiple available items is active and the user clicks the “Add to Cart” button on the top of the result page.
2639	Search Engine	The Search Engine was modified to support GROUP BY in sub-SELECT SQL queries.
2640	Search Engine	The Search Engine was modified to support UNION in sub-select SQL queries.
2643	Public Website	Corrected a bug that occasionally occurred where an incorrect geography_id was saved in the user’s profile when an international address was being updated.
2645	Public Website	A missing arrow.png file was added so that the maps.aspx page properly displayed the accession being mapped.
2652	Public Website	Adjusted the spacing of the checkboxes for the Crop Traits on the Crop Wild Relatives search page.

2.3.1

September 10, 2022

This server release contains many changes to taxonomy and enhancements to the GRIN-Global public website pages. The accessibility of the public website to people with disabilities (Web Content Accessibility Guidelines (“WCAG”)) is improved in this version. For example, some color schemes have been changed to improve the experience for color-blind users.

Trac Ticket #	Category	Description / Notes
1679	Taxonomy	Corrected the World Economic Plants Public Website page (https://npgsweb.ars-grin.gov/gringlobal/taxon/taxonomysearcheco.aspx), so that the Include synonyms check box functions properly. Corrected how the new World Economic Plants web page includes synonyms by not reusing the code in taxonomysearcheco.
1987	Database	A DOI field was added to the Inventory Table, per the request of various genebanks. The USDA will not be using this field, so the field is not included in the dataview.
2055	Database	Added two additional columns to the Accession table to split out accession life form information better. The three fields now maintain lifecycle, lifehabit, and accession_life_sex data.
2130	Public Website	Added Frequency to the descriptor search results in the Public Website.
2274	Dataviews	Type_code was removed from the accession IPR citation, accession pedigree, method, and genetic marker dataviews in the CT and ST.
2333	Database	Added an Origin field to the Inventory table (and dataview) that captures geography (Country, State, etc.) information about where each specific inventory lot was grown, maintained, or produced. This field simplifies identifying where the inventory lot was grown (or for clonal plants, where they are physically being propagated).
2372	Public Website	Added Page title to several taxonomy pages where the title had been omitted in a recent update.
2422	Public Website	Corrected a bug that corrected when invalid links resulted from a missing comma under certain conditions.
2427	Database	Added a field for family_type to the taxonomy_family table and added a code value group for family type.

Trac Ticket #	Category	Description / Notes
2428	Database	Modified get_taxonomy_common_name dataview, adding get_taxonomy_common_name_language field/lookup reference and removed language-related text fields.
2448	Taxonomy	Changed taxonomy family search to return results only for families with TAXONOMY_FAMILY_TYPE code values of FERN, FERNALLY, GYMNO, DICOT, MONOCOT, ANA, or MAGNO.
2468	Taxonomy / Database	Created a new table, taxonomy_synonym_map, to store species synonym relationships. Includes the fields ID (pkey), taxonomy_species_ID fkey, synonym_code, taxonomy_species_ID fkey, and note.
2495	Database	Two new Order Action codes were added to facilitate Phyto request order management.
2528	Public Website / Taxonomy	Included the Note field from taxonomy_common_name in the table of results for common names on the PW.
2544	Public Website	Accessibility Compliance: Used the Axe devTools to make the PW as WCAG compliant as possible. Also worked on making the web page presentation more consistent throughout the site.
2545	Public Website	Changed text displayed on several search result pages from "Seasonal Not Available" to "Out of Season." Also made this link to the accession detail page; now displays text "See accession detail."
2546	Public Website	Changed the user profile page so that US state and shipping address state have no state as default. The states must be filled in (selected by the user) to update the record.
2547	Public Website	Added an Update Limit button on the Search Results page to indicate to the user that more items could have been displayed if the limit had been higher.
2549	Public Website	Added a warning on the Wish List page that the Wish List is not monitored; also made some minor edits to the labels on the page; removed "usage" column; added additional fields: taxonomy, origin, and name; made other formatting improvements to the table.
2551	Public Website	Changed the user login page so that the username is checked before the password. If the username is not found, a message indicates that the username is not in the system. If the username is good, but the password is not, the message indicates that an incorrect password was provided.

Trac Ticket #	Category	Description / Notes
2552	Database	Added " Is Web Visible " fields to Genus and Species tables. The corresponding dataviews have the fields set to a default of "Y."
2559	Taxonomy / Public Website	Corrected the web_taxonomyspecies_summary_2 dataview to compare not only genus_name, but genus authority as well.
2560	Public Website	Corrected some bugs found with the log in page, particularly with forming the URL properly to correctly return to the previous page.
2561	Database	Added taxonomy_genus_id to the indexing.
2562	Taxonomy Dataviews	The taxonomy_species dataview was updated to have its columns arranged in a specific order.
2563	Public Website	All the controls used for accession detail, as well as the page itself, were updated to use better error handling. This coding was also used to update some of the taxonomy detail controls.
2567	Public Website	Changed taxonomysearch to include the is_web_visible field while searching. Also changed the web_taxonomyfamily_view_generalist_2 dataview so that on the family details page, only is_web_visible genus records are returned.
2568	Public Website	Changed taxonomysearch to include is_web_visible while searching. Changed dataview web_taxonomygenus_view_specieslist_2 so that on a genus details page, only is_web_visible species records are returned.
2569	Taxonomy / Database	Two fields were removed from the taxonomy_author table since they are not used: 1_short_name_expanded_diacritic 2_full_name_expanded_diacritic
2570	Taxonomy	Modified the search for a genus match when a species query returns no species results. More of the text string is evaluated.
2573	Dataview	Added friendly names (titles and descriptions) for the four Season Start and End Date fields in Inventory Maint Season Availability .
2574	Public Website	A new icon is now used when the accession has multiple available forms/inventories.
2575	Public Website	Added a link to GRIN-U under the GRIN menu item on the GG search main page.

Trac Ticket #	Category	Description / Notes
2576	Taxonomy	When a user selects a state and the "Include U.S. and/or Worldwide" option, too many records were returned. Changed the code so that native species are treated correctly.
2578	Public Website	Addressed a defect. The variable "sent" in forgotpw that is no longer needed was removed altogether.
2579	Database	A procedure has been created to verify that the url fields in accession_inv_attach contain valid URLs. Two new fields were added to the table. A Y/N flag field to indicate the URL validity and a validation_date field to record the date on which the validation procedure was run.
2580	Database / Schema change	The life_form_code field was removed from the taxonomy_species table (and corresponding dataview)
2581	Public Website	Restored subscription checkbox in the user profile (to be used in future development).
2583	Public Website	Changed reports page to eliminate "uncategorized" and adjusted width of dropdown width for the reports list.

Database changes

Table	Field	trac # / Change
accession		#2055 - Added two additional columns to the Accession table to split out accession life form information better. The three fields now maintain lifecycle, lifehabit, and accession_life_sex data.
taxonomy_genus taxonomy_species	is_web_visible?	#2552 - added fields
taxonomy_synonym_map		#2468 - created taxonomy synonym mapping table to store species synonym relationships
inventory	regeneration_locality_geography_id	#2333 - added field to capture geography (Country, State, etc.) data to indicate where each inventory lot was grown, maintained, or produced
taxonomy_family	family_type	#2427 - also added a code value group for the valid types
taxonomy_common_name	geography_id	#2428 – added geography_id as a foreign key in the common name table

2.3.0

May 21, 2022

Release 2.3.0 contains many public website page tweaks, but has two significant changes. Curators can now indicate in a new inventory_maint_policy_season table the date ranges for when a particular inventory distribution form is available. The revised search engine now assigns weights to fields that are more relevant to a search. For example, the Genus field is weighted heavier than the Narrative or Associated Species fields, so that an inputted “Humulus” first looks in the Genus field for Humulus. Lastly, a new Search page for querying taxonomy regulation tables was added under Taxonomy.

Trac Ticket #	Category	Description / Notes
1362 2486	Dataviews	Switched the cooperators lookup used in 20 dataviews to use the more detailed big_cooperator_lookup rather than the simpler cooperators_lookup.
1677	Public Website 2	Created a separate image viewer for taxonomy pages to include the taxonomy names with the images.
2118	Public Website 2	Coding and a new table was added to handle the seasonal availability issue. Curators can now indicate a start date and end date in a new table (dataview) inventory_maint_season_policy. Then each year the accession is available for ordering during the period. Based on the inventory's distribution form.
2119	Database, Schema Changes	Database change – added the inventory_maint_policy_season table for handling the accession seasonal distribution data.
2120	Dataviews	Created new inventory_maint_policy_season dataview to work with data in the new table.
2315	Public Website 2 / Taxonomy	Modified the citation builder so that URLs (from the URL field) show up as either embedded links in the citation title (if there is one) or in the literature source name (if there's no citation title).
2410	Public Website 2	Modified taxonomydetail.cs to use the new taxonomy_regulation_map table to display CITES or FWE/FWT. CITES and federally rare on the taxonomydetail page.
2413	Public Website 2	Corrected the situation when Historic accessions were displaying the Add to Wish List button.
2422	Public Website 2	Modified code to properly add a comma after between name and organization for developer, donor, and collector.

Trac Ticket #	Category	Description / Notes
2452	Public Website 2	A Search page for querying taxonomy regulation tables was added under Taxonomy.
2464	Public Website 2	Modified taxonomysearch and taxonomysearchcwr pages to ignore html links when filtering.
2465	Public Website 2	Completely changed how the crop search is done on the Descriptors page. The search now filters the dropdown of crops correctly.
2479	Public Website 2	Improved the feedback so that during the log in process, the user doesn't get confused as to whether the process was completed or not.
2483	Other	Corrected a security vulnerability issue regarding the text in a dropdown. (Text is parameterized and integers are confirmed to be integers when used by the SQL.)
2490	Public Website 2	Changed search to include the option "with images" for the advanced search.
2494	Public Website 2	Change the advanced search to search the taxonomy genus.genus_name field rather than taxonomy_species.name to look for genus names and not species names.
2497	Other	Modified the distribution text used in both the profile registration and welcome interface pages.
2498	Public Website 2	Corrected a bug with international shipping addresses so that the address is saved properly.
2499	Public Website 2	When a user selects an accession with multiple forms, the "Add to Cart" button now defaults to "Seed" when seed is one of the options, rather than list the forms alphabetically.
2501	Public Website 2	Corrected the situation when international users were not able to check out because the geography_id was retrieved from the geography table rather than from the web_cooperator table.
2502	Search Engine	Implemented a weighted autosearch so that when doing the Google-like autofield text search, higher weighted hits would be presented first in the search results. For example, the Narrative (Note) is now given a lower weight so that when a genus is specified in the search criteria, the Genus field is weighted higher than the Narrative field.

Trac Ticket #	Category	Description / Notes
2504	Public Website 2	Corrected the text displayed in the PW for the taxonomy_species protologue and note fields so that the intentional double spaces before the year are displayed properly.
2505	Public Website 2	Corrected two broken links on the footer on the NPGS webpages: FOIA and Quality of Information.
2507	Public Website 2	Enhancement to display the taxonomy images for all relevant ranks. For example, Prunus images will display for their respective species, genus, tribe, and subfamily pages, as well as for Rosaceae.
2510	Public Website 2	Removed the image at the top of the CWR pages so that all taxonomy pages are similar.
2512	Public Website 2	Corrected the Comment formatting from taxonomy_attach to remove empty bullets.
2515	Public Website 2	Changed the search pages so the textbox examples in Simple and Advanced search are now more appropriate (PI numbers).
2516	Public Website 2	Fixed the Clear All button on Search pages so that the page is reset to a completely refreshed page.
2517	Search Engine	Addressed a request to have accession search results list recent PI accessions first. (This is after any weighting by which fields are hit.)
2518	Public Website 2	Altered Advanced Search options to be intuitive. Additional search criteria are initially visible on the page: *Scientific name (any part) *Plant name *Repository *Country of origin Also added the ability to limit search to accessions "with images."
2521	Other	On the search results page, added filter boxes below the column headers for the accession, taxonomy, and plant name columns to allow for refined searches.
2522	Other	Occasionally a user's shopping cart has been sitting for some time and items in it are no longer available. Now, when submitting a request, any no-longer-available items will be marked with an orange color. The user cannot proceed to submit until they remove these items from the request.
2523	Public Website 2	When observations are used to select accessions and the observation data is associated with system inventory, if there is only one inventory sample available for the accession, the shopping cart will be provided to the user to add the accession to the cart. If there

Trac Ticket #	Category	Description / Notes
		are multiple available inventories, then by clicking the cart, the user will be directed to the accession summary page where the user can select a specific inventory sample.
2524	Public Website 2	Modified the common name search on the taxonomy species search tab so that the search can evaluate data in the alternate_transcription field. The new WEP common name search can look for Chinese characters. Also added alternate transcription to the species common name display.
2525	Public Website 2	Enhanced the PW pages to display an image's Copyright text.

2.2.2

Many corrections were made to the Public Website pages display. Also, pages were modified to incorporate recent taxonomy table changes.

Trac Ticket #	Category	Description / Notes
979	Public Website	Enhanced the Descriptors page so that users can now determine the crop(s) for a given species.
2397	Public Website	Replaced the current public website footer with a more standard website footer. (Footer settings are customizable in the Site.Master file.)
2405	Public Website	Modified method page to show top image from the method_attach table as well as documents/links.
2410	Public Website Taxonomy	The new taxonomy_regulation_map table is used to display CITES or FWE/FWT information on the taxonomydetail page.
2414	Public Website	Corrected a bug where a BR code would display on the Advanced Search when using the Genus Additional Search criterion.
2415	Public Website	Enabled Search pages to trim for leading space characters to improve searches and taxonomy searches.
2418	Public Website	Improved the new user's profile page with several changes: the edit button was moved to next to the word "Profile"; the new user's profile page opens in edit mode, and now includes a text prompt. (These changes were made to the viewprofile page.)
2422	Public Website	Modified several pages Controls/accessiondetail/sourcehistory.cs by adding commas between name and organization for developer, donor, and collector.
2432	Public Website Taxonomy	Corrected the display of long URLs so that the URLs fit properly within their block container on the speciesdetail page.
2436	Public Website	Added text for international distributions indicating that there are potential delays external to NPGS's control.
2439	Public Website	Corrected the accessiondetail/accessionIPR page so that when a PVP record does not have an ipr_number, the information from the accession_ipr table is displayed properly under the IPR tab.

Trac Ticket #	Category	Description / Notes
2442	Public Website Taxonomy	Modified the SQL on the About Taxonomy page (abouttaxonomy.cs) to use the newer taxonomy_cwr_crop and taxonomy_cwr_map tables.
2447	Public Website Taxonomy	Modified the taxonomy search so that when a genus and species name (partial or full) is not found, the genus search that follows will search using the genus name only.
2449	Public Website	Changed the layout for accessiondetail/accessiontaxonomy from having the common names listed with a link to the citation to having a table with the full information shown. A button was added for exporting to Excel.
2451	Public Website Taxonomy	Corrected three pages to use the newer taxon pages for the links for genus, family, etc.
2453	Coding	Simplified code for querying the database.
2454	Public Website Searches	Modified PW coding to enhance searches. A new search for "Previous identification" was added to look for accessions previously identified under a different taxon. The coding also expanded the "Scientific name" search. Now, when a synonym is entered, the search will include accepted names.
2455	Public Website	Changed the text on orders.aspx to prompt the user to provide more details concerning their objectives. Also removed the privacy statement from the page footer.
2457	Public Website Taxonomy	Corrected some searches by removing a leading wildcard on the search.aspx page when the search is coming from taxonomygenus page.
2461	Public Website	Corrected a bug where information that was hidden (correctly) on the accession search page results was exported to Excel.
2462	Public Website	Corrected the additional search criteria for citation author and title in search.cs and the web_searchcriteria_item_2 dataview. Now all citations (accession, IPR and pedigree) are searched and the literature table is included in the search.
2465	Public Website	Modified the Descriptors page so that when a crop name is supplied, if the enter key is pressed, the crop name will continue to be displayed in the drop down.
2470	Middle Tier	Corrected a defect where the password wasn't updating properly under a specific condition. For CT account names using a full email address name@domain, a user can login without using the @domain.

Trac Ticket #	Category	Description / Notes
		However, the password change did not work properly with name only. The process also failed to update the password and didn't produce an error.
2473	Public Website	Corrected a broken link situation for images.
2474	Public Website	Corrected a broken link in the descriptors' search results where the image link was broken.
2475	Public Website	Corrected the results from a descriptor search where only one image was displayed even when multiple accessions had images attached. Now all images display properly.
2477	Public Website	Corrected a bug where the is_archived? field on the Get Trait Observation table was ignored when the Observation data was reviewed via the Descriptors page.
2484	Public Website	Modified the link on the Summary tab to include suffixes properly when the accession has an entry in the Plant Introductory Volumes. (The link is to the PI Index table.)

2.2.1

November 19, 2021

Many of the changes in this server release relate to improved taxonomy pages on the public GRIN-Global website. For example, a browse capability was added to the taxonomy search page to allow searches on family, genus, species and/or common name. A user can select to show results for family, genus and/or species. Details of the many changes are listed below.

Trac Ticket #	Category	Description / Notes
2160	Public Website	Modified web page dataviews to ensure accessions marked as is_web_visible = 'N' are not displayed on the PW page – in the accession search result page and on the accession detail - passport tab.
2197	Middle Tier	The Middle Tier was enhanced to allow users to log in or to change their password in a consistent manner – they can now use their short name, no longer needing to include the domain when changing their CT password.
2205	Public Website Taxonomy	The display of names was changed on the website so that any accessions using "spp." display as "sp." instead. The underlying taxonomy_species_ID data correctly use spp., but each accession technically belongs to only one sp. This matches the format that Genesys is using.
2315	Public Website Taxonomy	Modified the citation builder logic so that URLs (from the URL field) display as either embedded links in the citation title (if there is one) or in the literature source name (if there is no citation title).
2329	Public Website	Modified the code in orderhistorydetail so that when running for NPGS only, names and email addresses are removed from several action_name_codes.
2346	Public Website Taxonomy	Corrected the nodulation page so that a genus search for Eurotia will return the accepted name in the results.
2349	Public Website Taxonomy	Enhanced the search on the Nodulation page to do partial text searches, that is, the wildcard % search now works.
2350	Public Website Taxonomy	Added a check box for the new species common name search to allow an exact match to the entered string, rather than a wildcarded search.
2358	Public Website Taxonomy	Changed the wording on the bottom of the CWR search page to "Do not restrict by germplasm presence/absence in GRIN-Global"

Trac Ticket #	Category	Description / Notes
2365	Public Website Taxonomy	Added browse capability to the taxonomysearch page to allow searches on family, genus, species and/or common name. A user can select to show results for family, genus and/or species.
2366	Public Website Taxonomy	Added code to the species tab of the taxonomysearch page to allow a search using only geography.
2368	Public Website	Added a Clear button to the webquery to remove the existing query text.
2369	Public Website	Added code to hide the webquery syntax error message which continued to display after the error was corrected.
2370	Public Website	The webquery output was ignored by "order by" commands. The table was modified with a new control, resultsWebQuery, so that the "order by" statement now functions properly.
2371	Public Website Taxonomy	The initial active tab on the taxonomy search page is now set to Species.
2372	Public Website Taxonomy	Added the page title to several pages.
2373	Public Website Taxonomy	Changed the "no match" message to display two respective messages, one message for "no genus" and one for "no species."
2375	Server - Installation	Removed the COLLATE SQL_Latin1_General_CP1_CI_AS setting from the installer so that databases with a different collation can be created. Fields should be created using the default collation.
2376	Public Website Taxonomy	When a genus is a hybrid, the species search handles that situation in the same way the genus search does, by not requiring an x or the hybrid symbol as part of the search string.
2379	Public Website Taxonomy	Added a link to the ICTV taxonomy database for virus records (genus and species).
2380	Public Website	Added a "Clear All" button in the PW accession list search.
2381	Public Website Taxonomy	Search results on the taxonomygenus page were modified to display the most recent accessions first (rather than historic).
2382	Public Website	Modified the e-mails that are sent to the requestor and sites when a PW request is submitted. Now two emails are sent; the one sent to the requestor does not include the email addresses of the site

Trac Ticket #	Category	Description / Notes
		members. Also, the order page was enhanced to include the email address of the requester and the fax field removed.
2389	Public Website	In the descriptor data display pages, the logic uses the accession's availability based on the accession as a whole.
2393	Public Website Taxonomy	Ensured that the hybrid symbol is displayed if the genus etc. is a hybrid on the taxonomy detail pages, when genera, subgenera, etc. are listed in the summary block.
2394	Public Website	Corrected the search descriptor page. The Trait Description rollover was corrected; it was displaying the Title instead of the Description.
2399	Public Website Taxonomy	Changed taxonomygenus and web_taxonomyfamily_view_generalist dataviews to correct classification on genus page and to remove columns on the taxonomyfamily page that have no information.
2403	Public Website	Removed stray "after available" text on Advanced search tab.

Dataviews Modified

web_accessiondetail_accessionnames_2_20210913.dataviewxml
 web_descriptorbrowse_trait_2_20211021.dataviewxml
 web_order_history_action_detail_20211020.dataviewxml
 web_taxonomy_browse_2_20210826.dataviewxml
 web_taxonomyfamily_view_generalist_2_20210824.dataviewxml
 web_taxonomygenus_summary_2_20211029.dataviewxml
 web_taxonomyspecies_geo_distribution_2_20210917.dataviewxml
 web_taxonomyspecies_name_familynl_2_20211103.dataviewxml
 web_taxonomyspecies_summary_2_20211021.dataviewxml

2.2.0

September 18, 2021

The major change in this server release was the inclusion of the redesigned Taxonomy search pages.

Trac Ticket #	Category	Description / Notes
1464	Public Website Taxonomy	Modified taxonomy genus to ensure that the correct ID is used to display information requested through the URL. Changed the page so that links to the page with type= will now get the correct information for the subdivision.
2073	Public Website Taxonomy	When crop wild relative information is downloaded, the taxonomy_species_id is included in the download. (Modified taxonomysearchcwr and resultsCropCWR)
2179	Public Website	The accession passport control was modified to show DOI if one is present in the accession table.
2254	Public Website Taxonomy	Regulation records are now pulled from the new taxonomy regulations table to identify accessions with regulations. (Stopped pulling data from previous tables that were used.) (Modified cwrcropdetail and web_taxonomycrop_accessions_2)
2257	web.config changes & PW pages	Addressed the international request to remove specific USDA/NPGS labels/text from the webpages. (Modified code and added variables to read values stored in the web.config file, enabling genebanks to easily change text to reflect their genebank.)
2282	Public Website	Modified code to prevent two emails being sent if the user clicks button twice. Also removed code because the program incorrectly would indicate that an email was not sent when it actually was.
2300	Public Website	Added the latest pathogen testing information to be displayed under the Pathogens area in the accession details Other tab. Also added inventory identifier to the pathogen tab of the accession details.
2304	Public Website	Changed site.master to add a css class to the menu so the toggler menu displays all options on mobile devices.
2307	Public Website Taxonomy	Modified taxonomygenus_subdivisions_2 so that the hybrid symbol displays properly in the list of subdivisions on the taxonomygenus page.
2308	Public Website	Modified code on the query page so that alternate_name will work in SQL queries. Also added code so that if there is a SQL error, the exact error is displayed.

Trac Ticket #	Category	Description / Notes
2309	Public Website Taxonomy	Created a new taxonomy search page in the format of the PW2, replacing the previous search page and eliminating the need for famgensearch , taxonomysimple , and taxonomybrowse pages.
2310	Public Website Taxonomy	Changed the display of the taxonomy query parameters to have a consistent look and use a clickable link to show/hide parameters. Changed Crop Wild Relatives (CWR) and nodulation pages as well.
2311	Public Website	Changed the web_accessiondetail_srchistory_2 dataview to add a space between the Formatted Locality data and the lat/long data.
2312	Public Website	Modified the CSS code controlling color contrasting to comply with Web Content Accessibility Guidelines (WCAG) requirements.
2313	Public Website	Added text to guide users when the image is blurry such as "Click thumbnail image(s) to enhance view."
2314	Public Website	Changed the Search Results page (web_accessiondetail_summary_2) to use plant_rank_name for cultivar name and to treat null value lowest in the ranking hierarchy for cultivar and top name.
2315	Public Website	Modified the format citations method (utils.cs) to embed links in the title or literature source for citations.
2316	Public Website	Corrected the display of numeric data for descriptor values so that they are displayed properly as numbers and in ascending numeric order.
2318	Public Website Taxonomy	Modified code so that when a family with no positive root nodulation is selected, a statement displays that no positive results were found.
2320	Public Website	Corrected an error when the source history table had less than three record types.
2322	Public Website	Corrected an error in the formatting of the search string used in the advanced search criteria.
2323	Public Website	Wording was added to indicate when descriptor observations are linked to specific inventory lots within an accession. Also included prompts to the user to click on the accession link for those listed as "Not Available" to see availability of other inventory lots within an accession. Added an explanation for the asterisk near the bottom of the search results.

Trac Ticket #	Category	Description / Notes
2327	Public Website	Changed query results and descriptor results to make null values blank.
2330	Public Website	Corrected the datatype for all quantity columns to be DECIMAL(18,5). (Web orders were failing to submit properly for fields defined as INT.)
2335	Public Website	Observation Selection Checkbox was not displaying properly for a single item. Corrected bug in the script for the results so there is no error and the table shows correctly
2337	Public Website Taxonomy	Modified the family detail page dataview (web_taxonomyfamily_summary_2) so that virus family names will be displayed even when we do not have authors for them.
2338	Public Website	Modified the web_order_request_item dataview to handle the situation when an ordered accession/inventory item doesn't have a distribution quantity value (the field was null in the database). The PW order would fail to add this record into the web order request item table and then skipped the remainder of the order process (writing order shipping address, send email).
2343	Public Website	A request for previous URL was causing an error. Added an IF statement to check for null before proceeding in viewprofile.cs .
2344	Public Website	Corrected the dataview for the nodulation page distribution so that it always displays the country and its associated state/province.
2345	Public Website	Corrected the CWR detail page so that the right side of the page (CWR) limits the gene pool report to CWR map records corresponding to the crop on the page's left side. The CWR detail page needed to use both crop id and species id.
2353	Public Website	Corrected an error in the Requestor.cs for retrieving the requestor correctly.
2351	Middle Tier	New barcode generator page. Created a barcode generator page for the GG server. Uses the Zebra Crossing ZXing library to provide 2D and QR code support.
2352	Middle Tier	Created BrAPI endpoints and integrated them into the GRIN-Global Middle Tier to support 3rd party model organism databases to programmatically retrieve (read-only) GRIN-Global data.
	Dataviews	Dataviews were added / changed for trac tickets: <ul style="list-style-type: none"> 2307 - intersubgeneric hybrids

Trac Ticket #	Category	Description / Notes
		<ul style="list-style-type: none"> 2338 - orders failed when items had a null distribution quantity 2309 - new taxonomy search page

2.1.0

June 19, 2021

This server release includes a significant change so that GRIN-Global can now allow users to request germplasm either by accession or by inventory. This change was made to accommodate requests for clonal material. The schema and dataview changes will also be useful in a future release when seasonal availability will be fully implemented. Several screens were modified for the ordering process to handle this change. Multiple taxonomy pages were also modified in this release.

Trac Ticket #	Category	Description / Notes
1406	Public Website Taxonomy	Changed two taxonomy search screens (taxonomydetail taxonomysummary) to use the current taxid to obtain accession counts. Previously, when a user entered a synonym, the results displayed 0 accessions even when the accepted name had accessions.
1507	Public Website	Added an Export function with a corresponding button on the user's Order History page to make available a down-loadable list of shipped order items.
1905	Public Website Taxonomy	Corrected the results of Family and Genera searches when homonyms were involved.
2102	Public Website	Changed the GG Public Website so that a requestor can choose multiple inventories and multiple form types and add them to the cart. In all prior versions, users were limited to ordering by accession. Also, in any one web order, the requestor could only order one form of the accession.
2106 2107	Schema	<p>A new column, inventory_id was added to the web_user_cart_item table (2106) and to the into web_order_request_item table (2107). Corresponding dataview changes were made.</p> <p>Additionally, the uniq index was altered for the table to include web_user_cart_id, accession_id, form_type_code, and inventory_id</p>
2175	Public Website Taxonomy	A correction was made to the calculation used in determining the number of available accessions listed on the taxonomydetail.aspx page.

Trac Ticket #	Category	Description / Notes
		The parameter is_distributable is now included when calculating so that historic accessions are no longer counted as available.
2184	Public Website	Improved image sorting by modifying several web dataviews (web_accessiondetail_inventory_image_2 and web_accessiondetail_top_image_2) to use the sort order field and display any images that do not have data after the images that do.
2238	Public Website	Corrected several search results and display pages so that the crop trait numeric data display now properly displays the data format as indicated by the format field in the crop_trait table.
2266	Public Website	Modified the confirmation email that is sent to the requestor and to the site(s). The email now also includes the inventory type that is being requested.
2273	Public Website	In testing, large web orders with more than 3000 items were fairly unresponsive. This was due to a bad lookup table selection for a number of fields in the dataview. The dataview was corrected.
2281	Public Website Taxonomy	Added code to the genus page to check if there are associated species. Text will now be displayed instead of having a link that goes to an empty species list as was the previous case. Also changed the species list to better handle no species.
2282	Public Website	Modified code to prevent two emails going out when user is resetting their password and mistakenly clicks the button twice.
2285	Public Website Taxonomy	Modified the dataview used on the <i>Taxonomy Economic Use</i> page to use the taxonomy regulation and taxonomy regulation map table to display CITES (I, II, III), FWE, and FWT data.
2286	Public Website Taxonomy	Modified the <i>Economic Use Results</i> page to use the same table format as used by the new nodulation result page. Also, citations with their associated uses and notes can now be exported.
2288	Public Website	Enhanced the Public Website to group inventory attachments based on the case-insensitive codes used in the description_code field in the accession_inv_attach table.
2290	Public Website Taxonomy	Modified the dataview cropmarker and created a new dataview web_crop_marker_detail2_2 to obtain the citation_id(s) for the marker. Also, formatted the citation properly so that it matches citations formatted elsewhere on the PW.

Trac Ticket #	Category	Description / Notes
2291	Public Website Taxonomy	Modified the filter so that the "exclude infraspecific taxa" logic on the taxonomy search results evaluates the following fields: subspecies_name, variety_name, subvariety_name, and forma_name. When any of these is not null , and the box is checked, the name is filtered out.
2293	Public Website	Added the function to display the accessiondetail page when the accession_id is included after the question mark. For example: https://npgsweb.ars-grin.gov/gringlobal/accessiondetail?1473194
2295	Public Website	Corrected the scenario when the webquery displays "That query is not allowed" in cases where it actually runs the query. Also changed the filtering so that created_by will work in the queries.
2296	Public Website	A minor coding change on the search.aspx page corrected the assembling of the search string. (The advanced search queries were returning more than available accessions.)
2297	Public Website	Corrected logic to address cases when users were able to click the Create Profile button even though the password did not meet all criteria.
2300	Public Website	Added NR6 Pathogen information on PW. Changed web_accessiondetail_pathogen to include NR6 information.

2.0.5.2

May 18, 2021

This release mainly addressed some display issues with Public Website pages.

Trac Ticket #	Category	Description / Notes
2268	Public Website	Corrected behavior by resetting the dropdowns when a user clicks between “All” and “By category.” Several other minor corrections were made to this Report feature.
2275	Public Website	Modified code to handle shipping addresses (especially non-US) correctly. Also made some interface modifications to guide users as they navigate the page.
2276	Public Website	Added a user prompt (a popup “modal”) on the profile page to let users know they need to create a profile.
2277	Public Website	A very minor editing change: a stray “>” was removed from a page.
2278	Public Website	Revised logic so that when a country that doesn't have any states/provinces, the geography_id that's used for the shipping address is taken from the country's geography_id, rather than always taking the geography_id from the state field.
2279	Public Website	Cleared the caching so that when a user changes the default shipping address and then continues on to the order page, the order page reflects the recent address change.

2.0.5.1

April 21, 2021

This release primarily corrected a few bugs that did not display on the development server prior to implementing 2.0.5.

Trac Ticket #	Category	Description / Notes
2175	PW: Taxonomy	Synonyms were showing wrong information. Fixed the Shenzhen bug, again.
2264	Public Website	Modified the web_search_observation_2 dataview to properly display the value from the crop_trait_code table in the results search for observations (from the accession search page).
2267	Public Website	Made changes to add /gringlobal/uploads/images/ to URL on two dataviews. Also removed server name from URL construction on two dataviews.
2268	Public Website	Made several changes to correct anomalies and minor items on the Reports Selection page.

2.0.5

April 17, 2021

This release consists primarily of enhancements and fixes for the Public Website many which pertain to Taxonomy-related pages.

Trac Ticket #	Category	Description / Notes
1462	PW: Taxonomy	Corrected several subgenus display page errors for synonyms
1542	PW: Taxonomy	The taxonomy detail page was modified so that taxa having an alternate_name value in the Taxonomy Species table will display the text in that field in the taxon header
1603	PW: Taxonomy	A taxonomy nodulation page was created for displaying information from taxonomy_family, taxonomy_genus, taxonomy_species, taxonomy_geography_map, and citation tables. Nodulation data reflect positive and negative literature reports of nodulating bacteria from roots and stems, primarily from taxa of Fabaceae. The Nodulation page has its own link on the menu's Taxonomy option.
1639	Public Website	Made all PW accession lists consistent by adding Taxonomy, Top Name and Country of Origin.
1677	Public Website	The image display page for images associated with taxonomy names was corrected to include the binomial name.
1717	PW: Taxonomy	For Aptandraceae, Olacaceae is listed as a synonym. However, in the taxonomy_family table, Olacaceae tribe Aptandreae is listed as a synonym of Aptandraceae. This tribal distinction wasn't reflected on the Aptandraceae page.
1750	PW: Taxonomy	When a species has conspecific taxa, the species accession count and map now include the conspecific taxa.
1765	PW: Taxonomy	Display on taxonomy pages (search results, detail pages) is now restricted so that any records with "aff. %" or "cf. %" in the species_name are not made public. (These names are placeholders for accessions that need re-ID. They are not equivalent to the scientific names in GRIN Taxonomy.)
1969	Citations	The SQL was modified for the dataview for citations associated with descriptors of a crop. The dataview now prioritizes data from the citation record over the literature table.
2126	PW: Reports	Improved the Public Website Report page with a better interface to display reports by category rather than one large (and growing) list.
2164	PW: Taxonomy	Modified the taxonomy detail page to display links in the taxonomy_attach table properly and display the linked page in its own window.
2175	PW: Taxonomy	Made changes for accession count, synonyms/synonyms of, and modified taxonomy summary control to display properly and not include historic records in the counts.

Trac Ticket #	Category	Description / Notes
2179	PW: DOI	The accession passport control was modified to show DOI if a DOI is present in the accession table.
2196	PW: Taxonomy	Corrected all taxonomy pages except advanced query search results to include the prefix notho- from nothosubsp. and nothovar when is_subspecific_hybrid or is_varietal_hybrid is 'Y' in the taxonomy_species table.
2200	Public Website	A code change was made to retain a user's text entry on the Landing page's Simple Search tab screen when the user switches to the Advanced Tab page.
2204	PW: Taxonomy	Corrected the logic to display <i>ornamental</i> usage_type under Environmental on the taxonomy detail page's Economic use tab.
2205	Public Website	On the accession pages, names that have "spp." will now display as "sp." instead. The underlying taxonomy_species_ID data correctly use spp., but each accession technically belongs to only one sp. This matches the format that Genesys is using.
2206	Public Website	Web_search_observations_2 is not using the new taxonomy tables for restrictions. Search observation table is not showing availability.
2207	Citations	Citation formatting was corrected for conditions when a period was added to the title display when it should not have been added, such as when the title ends with a ?, !, or "
2210	Public Website	Requesting "Genebank" in the dataview be replaced with "Repository" until the change to "Genebank" can be fully implemented.
2211	PW: Taxonomy	Corrected the synonyms display; they were not displaying correctly on the subgenus and section pages
2212	PW: Taxonomy	The display of intersubgeneric hybrids in the database were changed to include the hybrid symbol
2214	Public Website	On the search page, when the "Return up to" delimiter was set to be greater than 500, an error page was displayed. The error logged is "Cannot remove this column, because it's part of the primary key." This was an error with the primary key being set incorrectly and was corrected.
2220	Public Website	An error had been recently introduced when descriptors were formatted to display only two decimals. The logic has now been corrected to properly handle text values.
2226	Public Website	Prevent web users from accidentally creating multiple web cooperator records when they update their profiles.
2230	Reports	Changed the date format for the nomenclature change and new web order reports to YYYY-MM-DD so that results can be sorted by date.
2231	Public Website	Added the "Home Gardener intended use" notification popup back into the PW ordering area.
2236	Public Website	Corrected five webpages related to web order requests to insert the word Plant into the "U.S. National ^ Germplasm System."
2237	Public Website	Code was added to ensure the requestor has provided a valid shipping address before the order can be completed.

Trac Ticket #	Category	Description / Notes
2240	Public Website	The PW search page is slow to return searches on some taxonomy that have many taxonomy regulation map entries. Changes were made to made changes to how availability is calculated in two dataviews to correct the speed issue and some other minor regulation issues.
2245	Taxonomy	Restored a missing link to the species list from the taxonomy genus page.
2247	Public Website	Corrected a bug so that the control countrystates.cs can select the correct value for countries beyond the first one.
2249	Public Website	A web query was corrected.
2254	PW: Taxonomy	On the crop detail page, added a “!” in front of the shopping cart if there is a shipping regulation for the accession; also included text to explain what the “!” means.
2255	PW: Taxonomy	Removed the saved state from filters on the taxonomy results tables.
2256	Public Website	A slight wording change regarding “cuttings” was added for clarity.
2262	Public Website	Fixed broken link on descriptor results for some images when the image link was not starting with https .
2264	Public Website	Corrected bug to display observation values in the results for observations from the accession search

Dataviews included in the 2.0.5 Build

web_citations_crop_acc_2_20210225.dataviewxml
 web_citations_crop_ipr_2_20210225.dataviewxml
 web_citations_crop_ped_2_20210225.dataviewxml
 web_descriptor_top_image_2_20210413.dataviewxml
 web_lookup_query_dataviewarea_20210309.dataviewxml
 web_lookup_query_dataviewarea_20210220.dataviewxml
 web_lookup_query_dataviewlist_20201113.dataviewxml
 web_lookup_query_reportarea_20201117.dataviewxml
 web_lookup_taxon_family_nodulation_20210225.dataviewxml
 web_qry_list_nomen_changes_20210308.dataviewxml
 web_qry_view_new_web_orders_20210308.dataviewxml
 web_search_observation_2_20210209.dataviewxml
 web_search_overview_2_20210208.dataviewxml
 web_search_overview_noimages_2_20210112.dataviewxml
 web_taxonomy_fullname_by_accid_2_20210122.dataviewxml
 web_taxonomy_fullname_by_taxidlist_2_20210122.dataviewxml
 web_taxonomycrop_accessions_2.dataviewxml
 web_taxonomyfamily_summary_2_20210225.dataviewxml
 web_taxonomyfamily_synonyms_20210224.dataviewxml
 web_taxonomygenus_getnames_2_20210223.dataviewxml
 web_taxonomygenus_subdivisions_20210308.dataviewxml
 web_taxonomygenus_synonyms_2_20210224.dataviewxml

web_taxonomynodulation_bygenus_2_20210302.dataviewxml
web_taxonomynodulation_distribution_2_20210111.dataviewxml
web_taxonomyspecies_oneimage_2_20200615.dataviewxml
web_taxonomyspecies_view_accessionmaps_20210224.dataviewxml

2.0.4

Released January 22, 2021

This release consists primarily of enhancements and fixes for the new Public Website

Trac Ticket #	Category	Description / Notes
1639	Public Website	Added consistent headings: Taxonomy, Top Name, and Country of Origin to all PW accession lists
2050	Public Website	Enhanced the PW to display certain order request actions that are displayed in the order history.
2059	Public Website	Code changed to display the Search page when a user logs out at the Profile page.
2085	Public Website	Added an option to download a dataset directly from the server, rather than first generate the report.
2086	Public Website	Added a function requiring an account number to be provided when a carrier is selected in the order section of the PW.
2087	Public Website	Crop page was corrected with a missing </br> code to properly space the crop links.
2088	Public Website	Wishlist was corrected to allow printing the list or exporting to excel.
2089	Public Website	The user is required to login if they have not yet done so and attempt to submit the shopping cart.
2091	Search Engine	Corrected a bug when list searches with no valid IDs were initiated. An error message was displayed which was not meaningful to PW users.
2092	Public Website	Corrected a conflict between the Search Engine and the PW regarding the displaying of Names in a List search.
2095	Public Website	A new feature in the PW for filtering attachments based on the description code was treating the same text, but with different case as being distinct. Now the page treats the case as TitleCase to keep same text items together when sorted.
2099	Server	The Middle Tier Core DataManagers? had a mungeSql method that converts CONCAT() in SQL to a series of + (among other things). SQL

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		Server now supports the CONCAT function, so this conversion was removed.
2100	Server	The Search Engine List function was enhanced to handle accession prefixes and numbers when entered without a space.
2101	Server	Corrected the dataview updater to properly handle the dataviews with Modified Dates.
2103	Server	Corrected link on Welcome email.
2105	Server	Corrected bug where the New Order email referenced the test site for order history.
2110	Public Website	Corrected preventOpenRedirect in login.cs to format the URL correctly to prevent error from admin/webquery on session timeout.
2111	Public Website	Increased the default size of a request entity in the GRINGlobal Middle Tier. Changed from 30 MB to 128 MB.
2112	Public Website	<p>Corrected the error when some PW users with existing shipping addresses were not able to get through the profile loading page during their order request check out. When the user went to the user profile page, the state address with geography is_valid = N would cause a run time error.</p> <p>These cases started occurring after the geography table was modified to include ISO values and the user's state was no longer considered valid.</p>
2113	Public Website	Corrected bugs on user profile page related to the State/Province field. When a user entered a non-US address, the State/Province data did not display. A run time error occurred when the shipping address for a non-US address didn't include the State/Province.
2122	Public Website	Added some heading text on the first results page resulting from a CWR search. (taxonomysearchcwr.aspx)
2140	Public Website	Corrected a bug that occurred on the Advanced Search page when the user included a URL reference.
2142	Public Website	Added the alternate_transcription field to the display of common names in the taxonomyspeciesdetail page by listing the value in parentheses after the common name.
2146	Public Website	Added the link to list the genetic markers on the Crop page.

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2149	Reports	5 order packing lists (reports) were updated to use the new taxonomy regulations tables. They flag an accession as restricted only if there is a restriction for the shipping location.
2151	Search Engine	Added method_attach to sys_matrix_input so that the Search Engine can now query the method_attach table.
2152	Public Website	All results that use jquery datatables now have the state code added.
2153	Public Website	Made minor text changes in taxonomydetail page.
2155	Public Website	Completed these pages: taxonomyfamily, taxonomygenus, genuslist, specieslist, and descriptors.
2156	Public Website	Corrected an error which occurred when <> was entered in the SQL in Web Query box.
2157	Public Website	Corrected the Web Query page so that file name is displayed when the user browses and loads a file. Also stopped the display of any results from a previous query.
2158	Public Website	Changed web_descriptor_top_image_2 and web_descriptordetail_images_2 to use the complete URL when the database URL is incomplete
2159	Public Website	Fixed taxonutils so that when there are no references, an error is no longer thrown.
2160	Public Website	Modified several dataviews to correct the situation when an Accession name marked as is_web_visible = 'N' was displayed on several PW pages.
2161	Public Website	Changed five mapping-related dataviews to prevent backup-type accession's location data being displayed when the accession is not web visible.
2164	Public Website	Added code taxonomydetail so that the taxonomy_attach table records with links that redirect to other websites will be displayed.
2165	Public Website	Corrected several pages per taxonomist's request: modified searchcwr to add text; changed famgensearch to fix redirect to new taxonomy page.
2167	Public Website	Modified viewprofile.ascx.cs to fix the user profile page. A run time error had been generated when the user selected a non-US country

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		without first selecting a State/Province and then clicked on the check box to use the Shipping address.
2174	Public Website	Corrected the taxon link on the web order detail report.
2175	Public Website	Corrected the calculation to not include historic accessions in the count for available accessions.
2176	Public Website	Corrected the accession detail display, Summery tab, to always include the Add to Wish List button.
2182	Taxonomy / Public Website	Corrected an issue when synonyms were incorrectly being displayed as invalid when they were not.
2184	Public Website	Corrected the sort order for images and put those images with null sort_order at the end of the list.
2186	Public Website	Corrected the taxonomy_cwr_crop page so that when the note is null the crop is not displayed on the PW. (The note field serves the same function as the "Compiled by" statement that the old CWR page used to determine which crops should be displayed.)
2191	Public Website	Changed the username and password reset function so that if the user isn't logged in, the page won't update anything. A prompt now indicates to the user that they are not logged in.
2199	Public Website	Modified the SQL for the taxonomy CWR page to parameterize genus_name.
	Dataviews	Dataviews required for 2.0.4 Public Website

2.0.3.3

Released October 7, 2020

These changes correct defects, primarily incorrect display issues, recently found in the latest version of the Public Website.

Trac Ticket #	Category	Description / Notes
2132	Public Website	Include Submitted Date on PW Order Report

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2135	Public Website	Corrected a sort ordering issue on name field in the accession results table; now will sort and ignore CAPS and apostrophes, keeping similar spellings in a sort order.
2138	Public Website	Corrected a bug that had prevented data from displaying properly on the Observations results page.
2140	Public Website	A bug corrected an error on the Advanced Search tab that occurred when the user previously submitted a URL search.
2141	Public Website	Corrected several display errors for citations when certain conditions occurred.
2143	Public Website	Corrected a bug related to the Description and image displaying

2.0.3.1

Released August 22, 2020

General Comment for Administrators

Microsoft Visual Studio (2019) and .NET framework (4.8) were used in creating this build. (According to Microsoft, VS 2019 is backward compatible.) The GG server code was upgraded from VS2015 to VS2019 for 2.0.3. Apparently, the <**UseISExpress**> setting was changed from false to true at that point. The source code is on GitLab at

The major change in this release is the Public Website interface. The GG development team has been calling this “PW2” to differentiate this website from the earlier version. PW2 was redesigned using bootstrap technology to enable responsive webpages. Most of the pages have a completely different look, except for the current Taxonomy pages.

The Public Website Taxonomy pages are still using the former interface; these are planned to be updated soon in an upcoming release (date to be determined).

The features and functions of both PW versions are essentially identical. However, because of the changed interface, a user may need some initial adjustment time. For example, the older Search screen was split into four tabbed windows. The Simple search is just that – a user cannot denote additional criteria, and the simple search only looks for active accessions.

A new Help file was implemented. The intent is to continually improve the Help file, so any suggestions and questions are greatly appreciated – please send them to marty.reisinger@usda.gov.

General Comments for Users

Trac Ticket #	Category	Description / Notes
1960	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 Email.Send method was changed to check for empty addresses after splitting the address on semicolons.
2049	Search Engine	Gave the Search Engine the ability to map the shortest join path between tables based on the foreign key links it is configured to use.
2040	Dataviews	Disabled the NPGS-specific site inventory dataviews in the build.
1986	Taxonomy	Added Is_exempt? field to Taxonomy Regulation Map
1903	Trigger	The InventoryBackedUpDataTrigger? trigger was added for updating the "Is Backed Up?" field on the Accession record when NPGS NLGRP adds backup lots to GG.

Trac Ticket #	Category	Description / Notes
2032	PW Report	A Public Website report was added that shows Crop Descriptor information
	Codes	Updated code values for distribution
	Database Upgrader	Improved support for bit/bool data type in the database upgrader in the GG Updater program.