

# GRIN-Global Server Release Notes

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## Revision Date

September 17, 2021

## Versions

Abbreviations Used.....	1
2.2.0.....	2
2.1.0.....	5
2.0.5.2.....	8
2.0.5.1.....	9
2.0.5.....	10
2.0.4.....	13
2.0.3.3.....	16
2.0.3.1.....	18

## Abbreviations Used

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

## 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
<a href="#">1464</a>	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 <b>type=</b> will now get the correct information for the subdivision.
<a href="#">2073</a>	Public Website Taxonomy	When crop wild relative information is downloaded, the taxonomy_species_id is included in the download. (Modified <b>taxonomysearchcwr</b> and <b>resultsCropCWR</b> )
<a href="#">2179</a>	Public Website	The accession passport control was modified to show DOI if one is present in the accession table.
<a href="#">2254</a>	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 <b>cwrcropdetail</b> and <b>web_taxonomycrop_accessions_2</b> )
<a href="#">2257</a>	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.)
<a href="#">2282</a>	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.
<a href="#">2300</a>	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.
<a href="#">2304</a>	Public Website	Changed <b>site.master</b> to add a css class to the menu so the toggler menu displays all options on mobile devices.
<a href="#">2307</a>	Public Website Taxonomy	Modified <b>taxonomygenus_subdivisions_2</b> so that the hybrid symbol displays properly in the list of subdivisions on the <b>taxonomygenus</b> page.
<a href="#">2308</a>	Public Website	Modified code on the query page so that <b>alternate_name</b> 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
<a href="#">2309</a>	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 <b>famgensearch</b> , <b>taxonomysimple</b> , and <b>taxonomybrowse</b> pages.
<a href="#">2310</a>	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.
<a href="#">2311</a>	Public Website	Changed the <b>web_accessiondetail_srchistory_2</b> dataview to add a space between the Formatted Locality data and the lat/long data.
<a href="#">2312</a>	Public Website	Modified the CSS code controlling color contrasting to comply with Web Content Accessibility Guidelines (WCAG) requirements.
<a href="#">2313</a>	Public Website	Added text to guide users when the image is blurry such as "Click thumbnail image(s) to enhance view."
<a href="#">2314</a>	Public Website	Changed the Search Results page ( <b>web_accessiondetail_summary_2</b> ) to use <b>plant_rank_name</b> for cultivar name and to treat null value lowest in the ranking hierarchy for cultivar and top name.
<a href="#">2315</a>	Public Website	Modified the format citations method ( <b>utils.cs</b> ) to embed links in the title or literature source for citations.
<a href="#">2316</a>	Public Website	Corrected the display of numeric data for descriptor values so that they are displayed properly as numbers and in ascending numeric order.
<a href="#">2318</a>	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.
<a href="#">2320</a>	Public Website	Corrected an error when the source history table had less than three record types.
<a href="#">2322</a>	Public Website	Corrected an error in the formatting of the search string used in the advanced search criteria.
<a href="#">2323</a>	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
<a href="#">2327</a>	Public Website	Changed query results and descriptor results to make null values blank.
<a href="#">2330</a>	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.)
<a href="#">2335</a>	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
<a href="#">2337</a>	Public Website Taxonomy	Modified the family detail page dataview ( <b>web_taxonomyfamily_summary_2</b> ) so that virus family names will be displayed even when we do not have authors for them.
<a href="#">2338</a>	Public Website	Modified the <b>web_order_request_item</b> 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).
<a href="#">2343</a>	Public Website	A request for previous URL was causing an error. Added an <b>IF</b> statement to check for null before proceeding in <b>viewprofile.cs</b> .
<a href="#">2344</a>	Public Website	Corrected the dataview for the nodulation page distribution so that it always displays the country and its associated state/province.
<a href="#">2345</a>	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.
<a href="#">2353</a>	Public Website	Corrected an error in the <b>Requestor.cs</b> for retrieving the requestor correctly.
<a href="#">2351</a>	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.
<a href="#">2352</a>	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"> <li>• 2307 - intersubgeneric hybrids</li> </ul>

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

## 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
<a href="#">1406</a>	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.
<a href="#">1507</a>	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.
<a href="#">1905</a>	Public Website Taxonomy	Corrected the results of Family and Genera searches when homonyms were involved.
<a href="#">2102</a>	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.
<a href="#">2106</a> <a href="#">2107</a>	Schema	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.  Additionally, the uniq index was altered for the table to include web_user_cart_id, accession_id, form_type_code, and inventory_id
<a href="#">2175</a>	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.
<a href="#">2184</a>	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.
<a href="#">2238</a>	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.
<a href="#">2266</a>	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.
<a href="#">2273</a>	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.
<a href="#">2281</a>	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.
<a href="#">2282</a>	Public Website	Modified code to prevent two emails going out when user is resetting their password and mistakenly clicks the button twice.
<a href="#">2285</a>	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.
<a href="#">2286</a>	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.
<a href="#">2288</a>	Public Website	Enhanced the Public Website to group inventory attachments based on the case-insensitive codes used in the <b>description_code</b> field in the accession_inv_attach table.
<a href="#">2290</a>	Public Website Taxonomy	Modified the dataview <b>cropmarker</b> and created a new dataview <b>web_crop_marker_detail2_2</b> 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
<a href="#">2291</a>	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 <b>not null</b> , and the box is checked, the name is filtered out.
<a href="#">2293</a>	Public Website	Added the function to display the accessiondetail page when the accession_id is included after the question mark. For example: <a href="https://npgsweb.ars-grin.gov/gringlobal/accessiondetail?1473194">https://npgsweb.ars-grin.gov/gringlobal/accessiondetail?1473194</a>
<a href="#">2295</a>	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.
<a href="#">2296</a>	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.)
<a href="#">2297</a>	Public Website	Corrected logic to address cases when users were able to click the <b>Create Profile</b> button even though the password did not meet all criteria.
<a href="#">2300</a>	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
<a href="#">2268</a>	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.
<a href="#">2275</a>	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.
<a href="#">2276</a>	Public Website	Added a user prompt ( a popup "modal") on the profile page to let users know they need to create a profile.
<a href="#">2277</a>	Public Website	A very minor editing change: a stray ">" was removed from a page.
<a href="#">2278</a>	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.
<a href="#">2279</a>	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
<a href="#">2175</a>	PW: Taxonomy	Synonyms were showing wrong information. Fixed the Shenzhen bug, again.
<a href="#">2264</a>	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).
<a href="#">2267</a>	Public Website	Made changes to add <b>/gringlobal/uploads/images/</b> to URL on two dataviews. Also removed sever name from URL construction on two dataviews.
<a href="#">2268</a>	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
<a href="#">1462</a>	PW: Taxonomy	Corrected several subgenus display page errors for synonyms
<a href="#">1542</a>	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
<a href="#">1603</a>	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 <b>Nodulation</b> page has its own link on the menu's <b>Taxonomy</b> option.
<a href="#">1639</a>	Public Website	Made all PW accession lists consistent by adding Taxonomy, Top Name and Country of Origin.
<a href="#">1677</a>	Public Website	The image display page for images associated with taxonomy names was corrected to include the binomial name.
<a href="#">1717</a>	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.
<a href="#">1750</a>	PW: Taxonomy	When a species has conspecific taxa, the species accession count and map now include the conspecific taxa.
<a href="#">1765</a>	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.)
<a href="#">1969</a>	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.
<a href="#">2126</a>	PW: Reports	Improved the Public Website Report page with a better interface to display reports by category rather than one large (and growing) list.
<a href="#">2164</a>	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.
<a href="#">2175</a>	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
<a href="#">2179</a>	PW: DOI	The accession passport control was modified to show DOI if a DOI is present in the accession table.
<a href="#">2196</a>	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.
<a href="#">2200</a>	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.
<a href="#">2204</a>	PW: Taxonomy	Corrected the logic to display <i>ornamental</i> usage_type under Environmental on the taxonomy detail page's Economic use tab.
<a href="#">2205</a>	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.
<a href="#">2206</a>	Public Website	Web_search_observations_2 is not using the new taxonomy tables for restrictions. Search observation table is not showing availability.
<a href="#">2207</a>	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 "
<a href="#">2210</a>	Public Website	Requesting "Genebank" in the dataview be replaced with "Repository" until the change to "Genebank" can be fully implemented.
<a href="#">2211</a>	PW: Taxonomy	Corrected the synonyms display; they were not displaying correctly on the subgenus and section pages
<a href="#">2212</a>	PW: Taxonomy	The display of intersubgeneric hybrids in the database were changed to include the hybrid symbol
<a href="#">2214</a>	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.
<a href="#">2220</a>	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.
<a href="#">2226</a>	Public Website	Prevent web users from accidentally creating multiple web cooperator records when they update their profiles.
<a href="#">2230</a>	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.
<a href="#">2231</a>	Public Website	Added the "Home Gardener intended use" notification popup back into the PW ordering area.
<a href="#">2236</a>	Public Website	Corrected five webpages related to web order requests to insert the word Plant into the "U.S. National ^ Germplasm System."
<a href="#">2237</a>	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
<a href="#">2240</a>	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.
<a href="#">2245</a>	Taxonomy	Restored a missing link to the species list from the taxonomy genus page.
<a href="#">2247</a>	Public Website	Corrected a bug so that the control countrystates.cs can select the correct value for countries beyond the first one.
<a href="#">2249</a>	Public Website	A web query was corrected.
<a href="#">2254</a>	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.
<a href="#">2255</a>	PW: Taxonomy	Removed the saved state from filters on the taxonomy results tables.
<a href="#">2256</a>	Public Website	A slight wording change regarding “cuttings” was added for clarity.
<a href="#">2262</a>	Public Website	Fixed broken link on descriptor results for some images when the image link was not starting with <b>https</b> .
<a href="#">2264</a>	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
<a href="#">1639</a>	Public Website	Added consistent headings: Taxonomy, Top Name, and Country of Origin to all PW accession lists
<a href="#">2050</a>	Public Website	Enhanced the PW to display certain order request actions that are displayed in the order history.
<a href="#">2059</a>	Public Website	Code changed to display the Search page when a user logs out at the Profile page.
<a href="#">2085</a>	Public Website	Added an option to download a dataset directly from the server, rather than first generate the report.
<a href="#">2086</a>	Public Website	Added a function requiring an account number to be provided when a carrier is selected in the order section of the PW.
<a href="#">2087</a>	Public Website	Crop page was corrected with a missing <code>&lt;/br&gt;</code> code to properly space the crop links.
<a href="#">2088</a>	Public Website	Wishlist was corrected to allow printing the list or exporting to excel.
<a href="#">2089</a>	Public Website	The user is required to login if they have not yet done so and attempt to submit the shopping cart.
<a href="#">2091</a>	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.
<a href="#">2092</a>	Public Website	Corrected a conflict between the Search Engine and the PW regarding the displaying of Names in a List search.
<a href="#">2095</a>	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.
<a href="#">2099</a>	Server	The Middle Tier Core DataManagers? had a mungeSql method that converts CONCAT() in SQL to a series of + (among other things). SQL

Trac Ticket #	Category	Description / Notes
		Server now supports the CONCAT function, so this conversion was removed.
<a href="#">2100</a>	Server	The Search Engine List function was enhanced to handle accession prefixes and numbers when entered without a space.
<a href="#">2101</a>	Server	Corrected the dataview updater to properly handle the dataviews with Modified Dates.
<a href="#">2103</a>	Server	Corrected link on Welcome email.
<a href="#">2105</a>	Server	Corrected bug where the New Order email referenced the test site for order history.
<a href="#">2110</a>	Public Website	Corrected <b>preventOpenRedirect</b> in login.cs to format the URL correctly to prevent error from admin/webquery on session timeout.
<a href="#">2111</a>	Public Website	Increased the default size of a request entity in the GRINGlobal Middle Tier. Changed from 30 MB to 128 MB.
<a href="#">2112</a>	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>
<a href="#">2113</a>	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.
<a href="#">2122</a>	Public Website	Added some heading text on the first results page resulting from a CWR search. (taxonomysearchcwr.aspx)
<a href="#">2140</a>	Public Website	Corrected a bug that occurred on the Advanced Search page when the user included a URL reference.
<a href="#">2142</a>	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.
<a href="#">2146</a>	Public Website	Added the link to list the genetic markers on the Crop page.

Trac Ticket #	Category	Description / Notes
<a href="#">2149</a>	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.
<a href="#">2151</a>	Search Engine	Added <b>method_attach</b> to <b>sys_matrix_input</b> so that the Search Engine can now query the method_attach table.
<a href="#">2152</a>	Public Website	All results that use jquery datatables now have the state code added.
<a href="#">2153</a>	Public Website	Made minor text changes in taxonomydetail page.
<a href="#">2155</a>	Public Website	Completed these pages: taxonomyfamily, taxonomygenus, genuslist, specieslist, and descriptors.
<a href="#">2156</a>	Public Website	Corrected an error which occurred when <> was entered in the SQL in Web Query box.
<a href="#">2157</a>	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.
<a href="#">2158</a>	Public Website	Changed web_descriptor_top_image_2 and web_descriptordetail_images_2 to use the complete URL when the database URL is incomplete
<a href="#">2159</a>	Public Website	Fixed taxonutils so that when there are no references, an error is no longer thrown.
<a href="#">2160</a>	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.
<a href="#">2161</a>	Public Website	Changed five mapping-related dataviews to prevent backup-type accession's location data being displayed when the accession is not web visible.
<a href="#">2164</a>	Public Website	Added code taxonomydetail so that the taxonomy_attach table records with links that redirect to other websites will be displayed.
<a href="#">2165</a>	Public Website	Corrected several pages per taxonomist's request: modified searchcwr to add text; changed famgensearch to fix redirect to new taxonomy page.
<a href="#">2167</a>	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

Trac Ticket #	Category	Description / Notes
		without first selecting a State/Province and then clicked on the check box to use the Shipping address.
<a href="#">2174</a>	Public Website	Corrected the taxon link on the web order detail report.
<a href="#">2175</a>	Public Website	Corrected the calculation to not include historic accessions in the count for available accessions.
<a href="#">2176</a>	Public Website	Corrected the accession detail display, Summery tab, to always include the <b>Add to Wish List</b> button.
<a href="#">2182</a>	Taxonomy / Public Website	Corrected an issue when synonyms were incorrectly being displayed as invalid when they were not.
<a href="#">2184</a>	Public Website	Corrected the sort order for images and put those images with null sort_order at the end of the list.
<a href="#">2186</a>	Public Website	Corrected the taxonomy_cwr_crop page so that when the note is null the crop is not be 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.)
<a href="#">2191</a>	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.
<a href="#">2199</a>	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
<a href="#">2132</a>	Public Website	Include Submitted Date on PW Order Report



Trac Ticket #	Category	Description / Notes
<a href="#">2135</a>	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.
<a href="#">2138</a>	Public Website	Corrected a bug that had prevented data from displaying properly on the Observations results page.
<a href="#">2140</a>	Public Website	A bug corrected an error on the Advanced Search tab that occurred when the user previously submitted a URL search.
<a href="#">2141</a>	Public Website	Corrected several display errors for citations when certain conditions occurred.
<a href="#">2143</a>	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 <UseIISExpress> 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](mailto:marty.reisinger@usda.gov).

### *General Comments for Users*

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.
<a href="#">2049</a>	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.
<a href="#">2040</a>	Dataviews	Disabled the NPGS-specific site inventory dataviews in the build.
<a href="#">1986</a>	Taxonomy	Added <b>Is_exempt?</b> field to <b>Taxonomy Regulation Map</b>
<a href="#">1903</a>	Trigger	The <b>InventoryBackedUpDataTrigger?</b> trigger was added for updating the " <b>Is Backed Up?</b> " field on the <b>Accession</b> record when NPGS NLGRP adds backup lots to GG.

Trac Ticket #	Category	Description / Notes
<a href="#">2032</a>	PW Report	A Public Website report was added that shows <b>Crop Descriptor</b> 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.