PLUTO Plant Variety Database

PLUTO User Guide

UPOV

Pluto Search

PLUTO Search lets you easily search the PLUTO plant variety database and receive instant feedback. By default, the page operates in Term Search mode, or you can click the Denomination search tab to generate denomination similarity reports.

TERM SEARCH

The Term Search tab allows you to search the PLUTO database using any criteria you wish among the following:

1. Enter UPOV Code, botanical name or common name in order to search for the corresponding UPOV Code in GENIE database. Please note that you have to type three characters in order to trigger the search. Then, the system provides a list of suggestions for terms that may match what you are typing, in alphabetic order. When you select one from the list, the greyed fields: UPOV code, Botanical name and common name is automatically populated.
2. Select a search option: By default, the exact match is selected. There are three options:
   - Exact match
   - Extend to upper level
   - Extend to lower levels

For example, if the user enters "LACTU_SAT" in §1 and chooses "Extend to upper level" in §2, the results should include all varieties of : LACTU_SAT and the corresponding upper level (genus level in this case), i.e. LACTU. However, if the user chooses "Extend to lower levels" in §2, the results should include all varieties of : LACTU_SAT and all the corresponding subspecies, i.e. LACTU_SAT_ANG, LACTU_SAT_CAP, LACTU_SAT_LON.

3. Select one or many options in Record Type :
4. Authority: UPOV member or OECD.
5. Dates: choose the type of date to search for.
6. From: Start date of the search period.
7. To: end date of the search period.

ADVANCED SEARCH

Extra fields can also be specified when you click on Advanced search. An expanded view is displayed.

8. From, To: Calculated exp. date / Expiry date
9. Priority Authority
10. End type
11. Party's name
12. Denomination
13. Breeder's Reference
14. Trade name

SEARCH

Click the *search* button to conduct your search

RESET

Click on Reset to reset all fields.

DENOMINATION SEARCH

The denomination search tab allows you to create reports analyzing the denomination you enter and comparing it to other registered denominations in the same denomination class to determine their similarity.

The functioning of this tab is broadly similar to the Term Search tab, but there are a few key differences. To perform a query:

1. Enter a UPOV code, Botanical name or common name into the Crop/Species box

    A list of suggestions are displayed in a dropdown list. Each UPOV code belongs to a variety denomination class, and only denominations in the same class will be compared. You may only enter one UPOV code at a time.

2. Enter the breeder's reference you wish to analyze in the Breeder's Reference box.
3. Enter the denomination you wish to analyze in the Denomination box.
4. Select the type of comparison to perform using the Search Type menu. Several different search types are available:
    *   **Similarity factor** This will perform an analysis of the denomination you entered on a combination of factors including letters in common, relative lengths of the words and positions of the common letters.

This is the most complex comparison method, and the search may take a few seconds to complete. The similarity factor has been developed by the French GEVES and the Community Plant Variety Office of the European Union (CPVO). However, please note that the results of the search by the similarity factor in the PLUTO database require interpretation and do not provide a guarantee as to the suitability of variety denominations which needs to be decided upon by the authority where the plant breeder's rights is applied for.

- **Fuzzy** This will search for denominations that contain words spelled one or two characters differently from the terms you entered. This is similar to the Fuzzy match method in the Term Search tab.
- **Phonetics** This will search for denominations that contain words that sound similar to the terms you entered. This is similar to the Phonetic match method in the Term Search tab.
- **Contains** This will search for denominations that contain words that contain the same series of letters as the terms you entered. This is similar to the contains match method in the Term Search tab.
- **Starts** This will search for denominations that contain words that start with the same series of letters as the terms you entered. This is similar to the starts match method in the Term Search tab.
- **Ends** This will search for denominations that contain words that end with the same series of letters as the terms you entered. This is similar to the ends match method in the Term Search tab.

5. Click the *search* button to conduct your search.

Your results will always be sorted with the most similar denominations listed first, and a summary of the search performed will appear in the Results page.

RESULTS

The results page displays the records that match your current search. It is divided into five sections in addition to the advanced features:

1. Total records: total number of records matching your search criteria. In the Standard service, only 100 records are accessible. In the Premium service, all records are accessible using the pager bar on the bottom of the table. The pager bar shows a quick summary of your result set, and lets you navigate between pages of results. There are 25 records per page.

2. Columns selected: by default 28 columns are selected and displayed in a default order. You can modify the display by:
    a. changing the column order: to do so, drag and drop into the new location. You can also perform this task directly in the record list (§3).
    b. removing columns: unselect the column

Total Records :: 926264   27 columns selected ▲

	App. No ↑↓	UPOV Code ↑↓	Authority ↑↓	Type ↑		Date ↑↓	Grant Date ↑↓	Breeders Reference ↑↓
⊙	DE_ZR 01902_NLI	BETAA_VUL_GVS	DE	NLI	☐ Select All	-27		7 K 92
⊙	DE_GW 03578_NLI	HORDE_VUL	DE	NLI	Search	-14		SJ 103445 B
⊙	DE_GW 02912_NLI	HORDE_VUL	DE	NLI	☑ App. No	-13		535-13 F
⊙	DE_ZR 01231_NLI	BETAA_VUL_GVS	DE	NLI	☑ UPOV Code	-22	2001-01-24	BETA 812
⊙	DE_ROS 01377_P...	ROSAA	DE	PBR	☑ Authority	-24	1996-01-24	Taneditor
⊙	DE_WW 05858_NLI	TRITI_AES_AES	DE	NLI	☑ Type	-31		Br 10947a51
⊙	DE_MZ 00428_NLI	ZEAAA_MAY_MIC	DE	NLI	☐ Common Name	-17	2017-03-03	Goldkorn

☑ Grant Pub Date
☑ App. Date

3. The record list shows the specific records that match your current search criteria.

Each row displays the contents of each records fields, as selected in §2. You can click any column header that contains the small arrow icons to sort your results by that column. You can resize each column by dragging the edge of the column header, and re-order the columns by dragging and dropping them into a new location. Clicking on the blue arrow ⊙ will bring further details of that record.

	App. No ↑↓	Type ↑↓	UPOV Code ↑↓	Authority ↑↓	Grant Pub Date ↑↓	App. Date ↑↓	Grant Date ↑↓	Breeders Reference ↑↓
⊙	DE_ZR 01902_NLI	NLI	BETAA_VUL_GVS	DE		2006-12-27		7 K 92

Variety Identifier	Variety denomination class	Denominations	+				Publication Date	Item Tags
DE_ZR 01902_NLI	CLASS 2.1			Date	Denomination	Status		

Denomination Synonym	End Date	End Type	Expiration Date	Figure	Grant No	Image Identifier	Remarks	Botanical Name
	2007-01-10	WDR						Beta vulgaris L. ssp. vulgaris var. saccharifera Alef.
Trade Name	Submission Date	Parties Concerned		Commercialization		Equivalent Applications		
	2021-08-03	KWS| KWS SAAT SE - Applicant						
		KWS| KWS SAAT SE - Breeder						

4. After clicking on ▽, the *Filter By* area is displayed. It allows you to narrow your search to only particular categories without entering additional search terms:
    c. Record Type : PLUTO currently contains *National Listing*, *Plant Breeder's Right*, *Plant Patent* and *Other* record types.
    d. Denomination status: Denominations may be either *Approved*, *Published*, *Proposed* or *Rejected*. Note that not all records have denomination status, so the totals may not match your total number of search records.
    e. End Type: A records' end type may be either *SUR* (surrendered), *WDR* (withdrawn), *TER* (terminated), *EXP* (expired), *REJ* (rejected) or *DEL* (deleted). Note that not all records have an End Type (those that are still in force, for example), so the totals may not match your total number of search records.
    f. Priority Authority
    g. From-to: calculated expiry date, expiry date.

Select one or more categories, then click the 'Apply Filter' button b to add/modify the filters applied to your results.

5. You can change your current search criteria and click on refresh to get the updated record list.

DENOMINATION SEARCH RESULTS

In the case of denomination search results, there are two differences compared to the term search results screen:

1. The search "sentence" contains the denomination class information
2. The table contains a field named "Relevance" where the "Similarity Factor" algorithm is used.

ADVANCED FEATURES

The Result page provides access to advanced features. You can save and upload your search criteria, print, and download unlimited amount of records (available for Premium service only).

SAVE SEARCH CRITERIA

If you want to save your search criteria for later use, simply select S*ave Search Criteria* and name the search. You can re-use the search terms by selecting *Upload existing search criteria*.

Please Note:

- You can have a maximum of 3 saved searches at a time with a Standard service. With the Premium service, you will have the possibility to save unlimited searches.

UPLOAD EXISTING SEARCH CRITERIA

Select *Upload existing search criteria* and clicking on the name of your search. You can:

1. See the structure of a saved search by clicking on the small arrow to the left of the search name

2. Upload the saved search critieria by clicking on

3. Delete a previously saved search by clicking on .
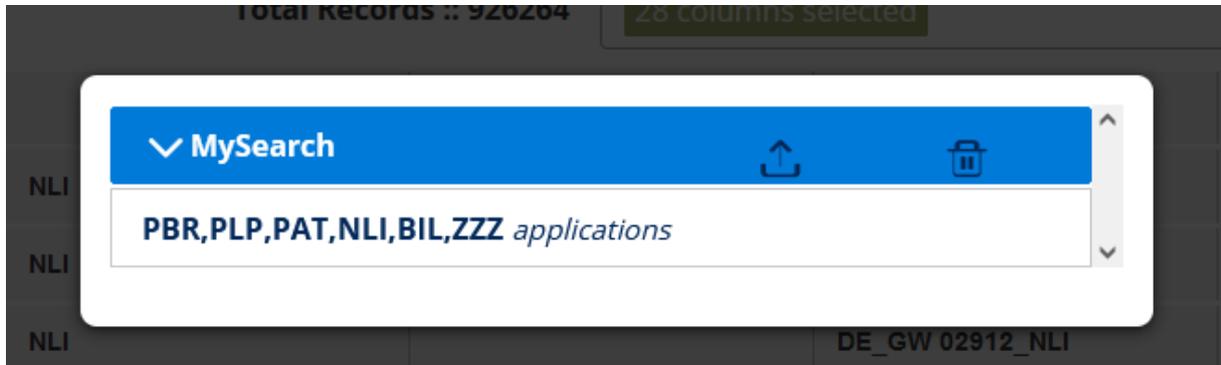
PRINT RESULTS

The table of records will be available in a printable format.

ONLY FOR PREMIUM SERVICE: DOWNLOAD

At the bottom of the page, below the list of results, you will find two links that allow you to download the results of your search in Excel data formats. Note that all the results will be included.