

Seasonal Availability



Revision Date

July 14, 2022

Beginning with the GG Server Release 2.3, it became possible to manage the time of year when NPGS material is displayed as available for requesting. This seasonal availability concept is particularly applicable to temperate clonal collections where dormant vegetative material is the form most frequently distributed.

This document includes the changes pertinent to this new capability. The main Inventory Guide [http://grin-global.org/docs/gg_inventory.pdf] contains details on inventory records. The two documents are complementary.



Please send any questions related to the wizard to marty.reisinger@usda.gov or feedback@ars-grin.gov.

The Appendix contains [change notes](#) pertaining to this document.

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Background

By their nature, clonal crop sites typically distribute cuttings when fulfilling germplasm requests. In most cases, cuttings can only be distributed within specific time frames, depending on the taxa, the growing conditions, and whether the cuttings are dormant or softwood.

GRIN-Global was enhanced to include a new procedure to enable the “seasonal availability” of germplasm for specific inventory. Seed germplasm would be unaffected by this code change.

Previously, in the GRIN-Global environment, inventory records had seasonal start and end date fields, but no logic existed to work with those dates. Data in these fields in any inventory records served as a note and had no impact with the distribution requests or the GG Public Website.

New programming logic and a table were developed to implement a process so that each inventory record could have its own availability date range. For example, cuttings may be distributed only two months a year, but leaf tissue for the same accession can be delivered over a different time range.

Also, a new dataview was developed: “**Get Inventory Maint Policy Season.**” Using the new table (in the Curator Tool via the new dataview), it is now possible to indicate the starting and end dates for any inventory form.



Note that you can have only one seasonal policy *per form*.

As previously, general availability is on/off, depending on two flag fields – **Is Available?** and **Is Auto Deducted?** – both must be Y and then the germplasm form is typically listed as “Available.” Prior to implementing this new seasonal enhancement, the curator would be required to manually edit the respective inventory records and switch their flags to make the accessions available or conversely, “Not Available.” With the new seasonal availability feature, the two original flag fields must still be set to “Y,” but now the PW also evaluates the form and then evaluates the starting and ending dates when that inventory has a corresponding **Inventory Maint Policy Season** record.

Another drawback with the original scenario was that GG public website viewers and requestors might conclude that an active accession is no longer managed in the system because for a substantial part of the year the accession would be listed as unavailable when actually the accession was live and well; it simply could not be distributed at certain times. Although sites typically use note fields to indicate when cuttings are available, that note is text, does not control the flags or the public website, and may not even be noticed by the requestor.

The Basics

Create an imps Seasonal Dates

To establish seasonal dates, a “season” record must be created using the **Inventory Maint Policy Season (IMPS)** dataview. In turn, this season record requires an existing **Inventory Maintenance Policy (IMP)** record. To work properly, three records must be related:

- **Inventory**
- **Inventory Maintenance Policy**
- **Inventory Maint Policy Season**

Two field items in the three records relate:

1. The Inventory record’s **Inventory Maintenance Policy** ties the inventory to the **IMPS**.
2. The Inventory record’s **Standard Distribution Form** – must match the **IMPS Distribution Form**.

The image consists of three screenshots from a database application, illustrating the relationships between different records. Red boxes highlight specific fields, and dashed lines show how these fields relate across the different views.

Top Screenshot: Inventory View

Inventory Prefix	Inventory Number	Inventory Suffix	Inventory Type	Accession	Is Available?	Inventory Maintenance Policy	Is Default Inventory?	Is Auto Deducted?	Availability Status	Quantity On Hand	Quantity On Hand Units	Standard Distribution Form
MMR	1	RRG	PL	MMR 1 RRG	Y	MAR-HUM-CT	Y	N	Available	1.00000	count	CT

Middle Screenshot: Get Inventory Maintenance Policy View

Inventory Maint Policy ID	Maintenance Name	Form Type	Quantity On Hand Units	Web Availability Note	Is Auto Deducted?	Distribution Default Form	Standard Distribution Quantity	Unit of Distribution	Dis Crit An
574	Walnuts	PL			N	BD	3.00000	count	
761	MAR-HUM-CT	CT	count		N	CT	5.00000	count	

Bottom Screenshot: Get Inventory Maint Policy Season View

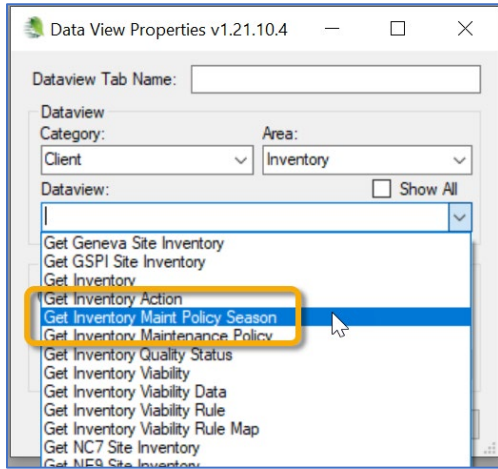
Inventory Maint Policy Season ID	Inventory Maintenance Policy	Distribution Form	Standard Distribution Quantity	Unit of Distribution	seasonal_start_date	Seasonal Start Date	seasonal_end_date	Seasonal End Date
	Walnuts	BD	3.00000	count	MM/dd	10/1/2022	MM/dd	12/1/2022
	MAR-HUM-CT	CT	3.00000	count	MM/dd	6/1/2022	MM/dd	6/30/2022

Relationships shown by dashed lines:

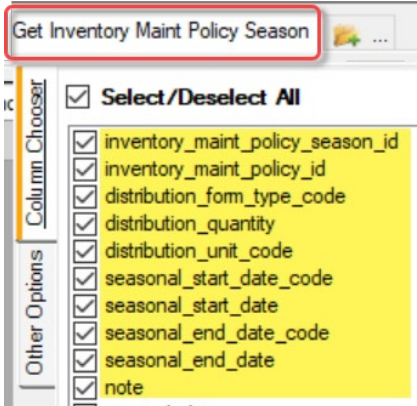
- A green dashed line connects the **Inventory Maintenance Policy** field in the top screenshot to the **Maintenance Name** field in the middle screenshot.
- A green dashed line connects the **Standard Distribution Form** field in the top screenshot to the **Distribution Form** field in the bottom screenshot.
- A yellow dashed line connects the **Standard Distribution Form** field in the middle screenshot to the **Distribution Form** field in the bottom screenshot.

New Inventory Maint Policy Season (IMPS) Dataview

To open the **Get Inventory Maint Policy Season** dataview, select **Inventory** in **Area**.



New IMPS dataview fields explained



Required Fields

Inventory Maint Policy Season ID	Inventory Maintenance Policy	Distribution Form	Standard Distribution Quantity	Unit of Distribution	seasonal_start_date	Seasonal Start Date	seasonal_end_date	Seasonal End Date	Note	Created T
1	FRAGARIA	CT	3.00000	gram	MM/dd	06/01	MM/dd	09/01	strawbery cutting	5/3/2022
2	FRA-SEED	SD	14.00000	count	MM/dd	03/01	MM/dd	09/01	seed	5/3/2022
3	Walnuts	CT	1.00000	gram	MM/dd	12/01	MM/dd	03/01	walnut djug 6	5/3/2022
4	Malus	SC	1.00000	cuttings	MM/dd	03/01	MM/dd	11/01		5/3/2022
5	MAR-HOPS-ct	CT	5.00000	count	MM/dd	05/12	MM/dd	05/15		5/9/2022
-6		[Null]		[Null]	[Null]		[Null]			6/1/2022

- Inventory Maintenance Policy
- Distribution Form
- Standard Distribution Quantity
- Seasonal Start Date
- Seasonal End Date



Date and **Date Format** fields – when you enter a full date including the year, only the month and day is used. This is intentional, so that a curator will not need to manually change the dates every year, with the assumption that the same seasonal timeframes are consistent year after year. If necessary, the dates can be changed by the record owner or someone with the proper Update permission.

The **Note** field is an internal note and does not display on the website.



The **IMPS Standard Distribution Quantity** overrides the Inventory record's **Standard Distribution Quantity**.

Get Site | Accessions | **Inventory** | Get Inventory Maintenance Policy | Get Inventory Maint Policy Season | Get Accession Inventory Group | Get Inventory Ac

Inventory Type	Accession	Is Available?	Inventory Maintenance Policy	Is Default Inventory?	Is Auto Deducted?	Availability Status	Quantity On Hand	Quantity On Hand Units	Standard Distribution Form	Standard Distribution Quantity	Unit of Distribution
SD	MAR 1 RRG	Y	MAR-SD-distgeneric	Y	Y	Available	1000.00...	count	SD	75.00000	cou

Get Site | Accessions | Inventory | Get Inventory Maintenance Policy | **Get Inventory Maint Policy Season** | Get Accession Inventory Group | Get Inven

Inventory Maint Policy Season ID	Inventory Maintenance Policy	Distribution Form	Standard Distribution Quantity	Unit of Distribution	seasonal_start_da	Seasonal Start Date	seasonal_e
12	MAR-SD-distgeneric	SD	50.00000	count	MM/dd	06/01	MM/dd

Details for: MAR 1 RRG, *Abarema adenophora* (Ducke) Barneby & J. W. Grimes, MAR 1 RRG

Summary | Passport | Taxonomy | Other | Pedigree | IPR | Observation

Summary Data		Availability				
Taxonomy:	Abarema adenophora (Ducke) Barneby & J. W. Grimes	Form	Quantity	Note	Inventory	Cart
Top Name:	MAR 1 RRG	Seed	50 count x 1000		MAR 1 RRGa SD	
Origin:	-					
Received by NPGS:	23 Jun 2022					
Improvement Status:	Cultivar					

Showing 1 to 1 of 1 entries

Seasonal Inventory Examples

Not in season

IMPS was set for the date range June 1 thru June 15; request date was June29.

Details for: MAR 1 RRG, *Abarema adenophora* (Ducke) Barneby & J. W. Grimes, MAR 1 RRG

Summary Passport Taxonomy Other Pedigree IPR Observation

Summary Data

Taxonomy: [Abarema adenophora \(Ducke\) Barneby & J. W. Grimes](#)

Top Name: MAR 1 RRG

Origin: -

Received by NPGS: 23 Jun 2022

Improvement Status: Cultivar

Availability

The item(s) is/are currently not available; request when available, as shown:
Seed: June 01 - June 15

In season

IMPS was set for the date range June 1 thru June 30; request date was June29.

Details for: MAR 1 RRG, *Abarema adenophora* (Ducke) Barneby & J. W. Grimes, MAR 1 RRG

Summary Passport Taxonomy Other Pedigree IPR Observation

Summary Data

Taxonomy: [Abarema adenophora \(Ducke\) Barneby & J. W. Grimes](#)

Top Name: MAR 1 RRG

Origin: -

Received by NPGS: 23 Jun 2022

Improvement Status: Cultivar

Availability

Form	Quantity	Note	Inventory	Cart
Seed	50 count		MAR 1 RRGa SD	

Showing 1 to 1 of 1 entries



The **Note** field in the PW's Availability table displays the text stored in the inventory record's **Web Availability Note** field.

Summary Passport Taxonomy Other Pedigree IPR Observation

Summary Data

Taxonomy: [Humulus lupulus L.](#)

Top Name: MAR 4 RRG

Origin: -

Maintained: North Central Regional PI Station

Received by NPGS: 13 Jul 2022

Availability

<input type="checkbox"/>	Form	Quantity	Note	Inventory	Cart
<input type="checkbox"/>	Cutting	3 count		MAR 4 RRGa CT	
<input type="checkbox"/>	Cutting	3 count		MAR 4 RRGb CT	
<input type="checkbox"/>	Cutting	3 count	Male plant	MAR 4 RRG CT	

Site Accessions **Inventory** Get Inventory Maintenance Policy Get Inventory Maintenance Policy Season Get Accession Inventory Group

Availability End Date	Web Availability Note	Quantity On Hand	Quantity On Hand Units	Standard Distribution Quantity	Unit of Distribution	Distrib Critical Amount
	Male plant	12.00000	count	5.00000	count	
		12.00000	count	5.00000	count	
		12.00000	count	5.00000	count	

Appendix: Change Notes

- June 30, 2022
Initial document
- July 14, 2022
added note re Note in table
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