

# Import Germplasm

## BMS 12.0 Manual

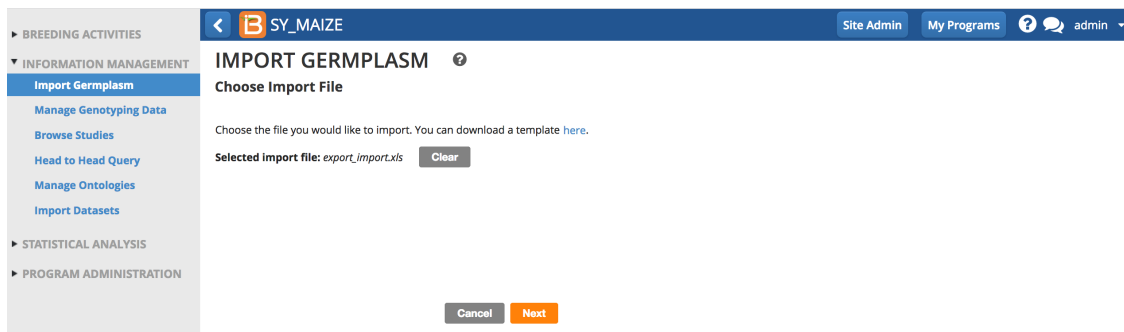
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**Administrative permissions limit germplasm import to program administrators. Contact your program or system administrator for assistance.**

Import new germplasm, such as when a shipment of new inventory arrives in a breeding program. Uploading new germplasm list assigns database identifiers ([GIDs](#)) to the germplasm and make appropriate matches to existing pedigrees. Inventory amount and seed storage locations are optional data that can imported along with other germplasm details.

## Download Template

- Select Import Germplasm from under Information Management. (This option is only available to those users with administrative permissions.) Download the import germplasm template (.xls).



The template consists of 3 worksheets.

- Description: Metadata about the list. Optional editing to support customization (see Codes below).
- Observation: Germplasm details. ENTRY (1,2,3 ...n) and DESIGNATION (germplasm name) are mandatory.
- Codes: Provides optional column headers to customize germplasm details.

### Description Sheet

	A	B	C	D	E	F	G	H	I	J	K
1	ENTRY	DESIGNATION	GID	CROSS	SOURCE	ENTRY CODE	DRVNM	SEED_AMOUNT_g	STOCKID	NOTE	
2											
3											
4											
5											
6											

### Observation Sheet

	Section	Information Type	fcode	fname
2	LIST HEADER	LIST_TYPE	COLLMIS	Collecting Mission
3	LIST HEADER	LIST_TYPE	EXTACQ	External Seed Acquisition
4	LIST HEADER	LIST_TYPE	EXTREQ	External Seed Request
5	LIST HEADER	LIST_TYPE	F1	F1 Nursery List
6	LIST HEADER	LIST_TYPE	F2	F2 Nursery List
7	LIST HEADER	LIST_TYPE	GENOTYPING	Genotyping Order List
8	LIST HEADER	LIST_TYPE	HARVEST	Harvest List
9	LIST HEADER	LIST_TYPE	HB	Hybridization Block List
10	LIST HEADER	LIST_TYPE	INTACQ	Internal Seed Acquisition
11	LIST HEADER	LIST_TYPE	INTREQ	Internal Seed Request

Codes Sheet

## Edit Default Template

- Enter the mandatory columns of data, ENTRY and DESIGNATION, and any optional data. Save the .xls file.

	A	B	C	D	E	F	G	H	I	J	K	L
1	ENTRY_NO	GID	ENTRY_CODE	DESIGNATION	CROSS	SEED_SOURCE	STOCKID	SEED_AMOUNT_G	NOTES			
2	1			IL001-18				652.00				
3	2			IL002-18				474.00				
4	3			IL003-18				450.00				
5	4			IL004-18				380.00				
6	5			IL005-18				744.00				
7	6			IL006-18				621.00				
8	7			20180512-2-1-1-1				629.00				
9	8			IL008-18				590.00				
10	9			IL009-18				422.00				
11	10			IL010-18				347.00				
12	11			IL011-18				696.00				

In this example, 80 IITA RILs were advanced at a partnering institution. Seed has been returned to IITA and the information in this file must be imported into the BMS.

## Customize Template

The germplasm import template can be customized. Common customizations include changing the seed amount units and adding attributes.

### Change Units of Seed Amount

Grams is the template default. The units below come with the default ontology. Additional units can be added to the ontology if needed.

- SEED\_AMOUNT\_g
- SEED\_AMOUNT\_No
- SEED\_AMOUNT\_kg
- SEED\_AMOUNT\_Packets
- SEED\_AMOUNT\_t

### Update the description sheet.

In the following example SEED\_AMOUNT\_g will be changed to SEED\_AMOUNT\_No.

- Under inventory, replace SEED\_AMOUNT\_g with SEED\_AMOUNT\_No.
- Replace SCALE of g with SCALE of No.
- Replace METHOD of Weighed with METHOD of Counted.
- Update the comment.

	A	B	C	D	E	F	G	I	Q	R	S	T
1	LIST NAME			Enter a list name here, or add it when saving in the BMS								
2	LIST DESCRIPTION			Enter a list description here, or add it when saving in the BMS								
3	LIST DATE			Accepted formats: YYYYMMDD or blank								
4	LIST TYPE	LST										
5												
6	CONDITION	DESCRIPTION	PROPERTY	SCALE	METHOD	DATA TYPE	VALUE	COMMENTS				
7	LIST OWNER	Name of the Principal Investigator	PERSON	DBCV	ASSIGNED	C						
8	ID OF LIST OWNER	ID of the Principal Investigator	PERSON	DBID	ASSIGNED	N						
9												
10	FACTOR	DESCRIPTION	PROPERTY	SCALE	METHOD	DATA TYPE		COMMENTS				
11	ENTRY	The germplasm entry number	GERMPLASM ENTRY	NUMBER	ENUMERATE	N		Sequence number - mandatory				
12	DESIGNATION	The name of the germplasm	GERMPLASM ID	DBCV	ASSIGNED	C		Germplasm name - mandatory, unless a GID is provided				
13	GID	The GID of the germplasm	GERMPLASM ID	DBID	ASSIGNED	N		GID value if known (or leave blank)				
14	CROSS	The pedigree string of the germplasm	CROSS NAME	NAME	ASSIGNED	C		Cross string showing parentage - optional				
15	SOURCE	The seed source of the germplasm	SEED SOURCE	NAME	Seed Source	C		Text giving seed source - optional				
16	ENTRY CODE	Germplasm entry code	GERMPLASM ENTRY	CODE	ASSIGNED	C		Text giving a local entry code - optional				
17	DRVNM	Derivative Name	GERMPLASM ID	NAME	ASSIGNED	C		See valid name types on Codes sheet for more options				
18												
19	INVENTORY	DESCRIPTION	PROPERTY	SCALE	METHOD	DATA TYPE		COMMENTS				
20	SEED_AMOUNT_No	Amount of seed imported	INVENTORY AMOUNT	No	Counted	N		number of seeds				
21	STOCKID	ID of an inventory deposit	Germplasm stock ID	DBCV	ASSIGNED	C		Existing StockID value if known (or leave blank)				
22												
23	VARIATE	DESCRIPTION	PROPERTY	SCALE	METHOD	DATA TYPE		COMMENTS				
24	NOTE	Additional details about germplasm	ATTRIBUTE	Text	Observed	C		Optional				
25												

<

### Update Observation Sheet

- Replace SEED\_AMOUNT\_g with SEED\_AMOUNT\_No and save the .xls file. The template is now ready to import seed inventory as numbers of seeds.



BREEDING ACTIVITIES

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Manage Ontologies

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IMPORT GERmplasm

Choose Import File

Choose the file you would like to import. You can download a template [here](#).

Selected import file: *export\_import.xls*

Clear

Cancel

Next

- Specify germplasm details.

## Select GID Assignment Options

There are two GID assignment options

- Add all entries with new records connecting to existing sources: assign the new GIDs and the germplasm will not connect to any existing pedigrees. This is the most common option and requires no matching.
  - Select existing germplasm whenever found: Will look to match to existing GIDs and pedigrees in the system
- "Select existing germplasm whenever found" to match imported germplasm to existing germplasm. Automatically accept single matches whenever found if you trust the system to match germplasm by DESIGNATION. Finish

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Import Germplasm

Germplasm date: 2018-05-10

Germplasm name type: LINE NAME

REVIEW IMPORT FILE DETAILS

Please review and confirm the details of your import records.

Total Entries: 80

ENTRY_NO	ENTRY_CODE	DESIGNATION	CROSS	GID	STOCKID	AMO
1		IL001-18	AF12A-209-2/8/AF12A-423-4/16			630.0
2		IL002-18	AF12A-209-2/8/AF12A-423-4/16			823.0
3		IL003-18	AF12A-209-2/8/AF12A-423-4/16			512.0
4		IL004-18	AF12A-209-2/8/AF12A-423-4/16			375.0
5		IL005-18	AF12A-209-2/8/AF12A-423-4/16			647.0
6		IL006-18	AF12A-209-3/8/AF12A-423-4/20			521.0

SELECT GID ASSIGNMENT OPTIONS

GID Assignment Options:

Select existing germplasm whenever found

☒ Automatically accept single matches whenever found

Back

Finish

- Manually specify matches within the system. Imported germplasm will share GID, pedigrees, and inventory with the matched germplasm.

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Seed Storage Location: Chambre Froide-Longue Jumelles - (CFLJ)

Germplasm date:

Germplasm name type:

REVIEW IMPORT FILE

Please review and confirm the details of your import records.

Total Entries: 80

ENTRY_NO	ENTRY_CODE	DESIGNATION	CROSS	GID	STOCKID	AMO
1		IL001-18	AF12A-209-2/8/AF12A-423-4/16			630.0
2		IL002-18	AF12A-209-2/8/AF12A-423-4/16			823.0
3		IL003-18	AF12A-209-2/8/AF12A-423-4/16			512.0
4		IL004-18	AF12A-209-2/8/AF12A-423-4/16			375.0
5		IL005-18	AF12A-209-2/8/AF12A-423-4/16			647.0
6		IL006-18	AF12A-209-3/8/AF12A-423-4/20			521.0

SELECT GID ASSIGNMENT OPTIONS

GID Assignment Options:

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Seed Storage Location: Chambre Froide-Longue Jumelles - (CFLJ)

Germplasm date:

Germplasm name type:

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Total Entries: 80

ENTRY_NO	ENTRY_CODE	DESIGNATION	CROSS	GID	STOCKID	AMO
1		IL001-18	AF12A-209-2/8/AF12A-423-4/16			630.0
2		IL002-18	AF12A-209-2/8/AF12A-423-4/16			823.0
3		IL003-18	AF12A-209-2/8/AF12A-423-4/16			512.0
4		IL004-18	AF12A-209-2/8/AF12A-423-4/16			375.0
5		IL005-18	AF12A-209-2/8/AF12A-423-4/16			647.0
6		IL006-18	AF12A-209-3/8/AF12A-423-4/20			521.0

SELECT GID ASSIGNMENT OPTIONS

GID Assignment Options:

Select existing germplasm whenever found

☒ Automatically accept single matches whenever found

Back

Finish

Seed Storage Location: Chambre Froide-Longue Jumelles - (CFLJ)

Germplasm date:

Germplasm name type:

REVIEW IMPORT FILE

Please review and confirm the details of your import records.

Total Entries: 80

ENTRY_NO	ENTRY_CODE	DESIGNATION	CROSS	GID	STOCKID	AMO
1		IL001-18	AF12A-209-2/8/AF12A-423-4/16			630.0
2		IL002-18	AF12A-209-2/8/AF12A-423-4/16			823.0
3		IL003-18	AF12A-209-2/8/AF12A-423-4/16			512.0
4		IL004-18	AF12A-209-2/8/AF12A-423-4/16			375.0
5		IL005-18	AF12A-209-2/8/AF12A-423-4/16			647.0
6		IL006-18	AF12A-209-3/8/AF12A-423-4/20			521.0

SELECT GID ASSIGNMENT OPTIONS

GID Assignment Options:

Select existing germplasm whenever found

☒ Automatically accept single matches whenever found

Back

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Seed Storage Location: Chambre Froide-Longue Jumelles - (CFLJ)

Germplasm date:

Germplasm name type:

REVIEW IMPORT FILE

Please review and confirm the details of your import records.

Total Entries: 80

ENTRY_NO	ENTRY_CODE	DESIGNATION	CROSS	GID	STOCKID	AMO
1		IL001-18	AF12A-209-2/8/AF12A-423-4/16			630.0
2		IL002-18	AF12A-209-2/8/AF12A-423-4/16			823.0
3		IL003-18	AF12A-209-2/8/AF12A-423-4/16			512.0
4		IL004-18	AF12A-209-2/8/AF12A-423-4/16			375.0
5		IL005-18	AF12A-209-2/8/AF12A-423-4/16			647.0
6		IL006-18	AF12A-209-3/8/AF12A-423-4/20			521.0

SELECT GID ASSIGNMENT OPTIONS

GID Assignment Options:

Select existing germplasm whenever found

☒ Automatically accept single matches whenever found

Back

Finish

- Ignore matches and add new entries for all. Imported germplasm will **NOT** share GIDs, pedigrees, or inventory with existing germplasm.

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Show only favorite locations

Seed Storage Location:Chambre Froide-Longue Jumelles - (CFLJ)

All locationsStorage locationsManage Locations

Show only favorite locations

Germplasm date:

Germplasm name type:

REVIEW IMPORT FILE

Please review and confirm the details of your import file.

Total Entries: 80

ENTRY_NO	ENTRY_CODE	DESIGNATION	GID	IMMEDIATE SOURCE	AVAILABLE	LOCATION	BREEDING METHOD NAME	CROSS
1		IL001-18						
2		IL002-18						
3		IL003-18						
4		IL004-18						
5		IL005-18						
6		IL006-18						

SELECT GID ASSIGNMENT

GID Assignment Options:

Select Matching Germplasm or Add New Entry

Match(es) were found for entry 2 of 80, with the name IL002-18. Click on an existing entry below to choose it as the match for this germplasm. You may also choose to ignore the match and add a new entry.

DESIGNATION	GID	IMMEDIATE SOURCE	AVAILABLE	LOCATION	BREEDING METHOD NAME	CROSS
IL002-18	15405	20180511-2-1	493.0 g	Agua Fria	Single plant selection	AF12A-209-
IL002-18	15535	IL002-18	-	Unknown	Seed increase	AF12A-209-
IL002-18	15724	IL002-18	602.0 g	Unknown	Single plant selection	AF12A-209-

Use this match for other instances of this name in the import list

Ignore matches and add a new entry

Ignore remaining matches and add new entries for all

CancelContinue

## Generate Stock IDs

- Customize the stock id prefix or select continue to accept the default "SID-".

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Seed Storage Location:Chambre Froide-Longue Jumelles - (CFLJ)

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Show only favorite locations

Germplasm date:2018-05-10

Germplasm name type:LINE NAME

REVIEW IMPORT FILE DETAILS

Please review and confirm the details of your import file.

Total Entries: 80

ENTRY_NO	ENTRY_CODE	DESIGNATION
1		IL001-18
2		IL002-18
3		IL003-18
4		IL004-18
5		IL005-18
6		IL006-18

SELECT GID ASSIGNMENT

GID Assignment Options:

Generate StockIDs

Specify first letter(s) of prefix:

If no prefix is specified, the default SID prefix will be used. Only entries with an inventory amount will be assigned with StockID.

Next prefix in this sequence: SID41

Example STOCKID for this list: SID41-1

CancelContinue

## Save & Review Imported List

- Name, describe, and save the imported list.

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Seed Storage Location:Chambre Froide-Longue Jumelles - (CFLJ)

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Show only favorite locations

Germplasm date:

Germplasm name type:

REVIEW IMPORT FILE

Please review and confirm the details of your import file.

Total Entries: 80

ENTRY_NO	ENTRY_CODE	DESIGNATION
1		IL001-18
2		IL002-18
3		IL003-18
4		IL004-18
5		IL005-18
6		IL006-18

SELECT GID ASSIGNMENT

GID Assignment Options:

Save List As

Select a folder to create a new list or select an existing list to edit and overwrite its entries.

List Location

Crop lists

Program lists

2018

JFS

Maize MAS

List Details

\* indicates a mandatory field

List Name: \*Advanced at ICRISAT

List Owner: Admin Admin

Description: 2017 seed increase from ICRISAT

List Type: \*GERMPLASM LISTS

List Date: \*2018-05-10

Notes:

CancelSave

- Browse to the imported list from Manage Germplasm.

BREEDING ACTIVITIES

MANAGE GERmplasm

MANAGE Nurseries

MANAGE Trials

INFORMATION MANAGEMENT

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MANAGE Ontologies

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MANAGE GERmplasm

View ListsView Germplasm

List Details

Browse or search for a list to work with.

Advanced at ICRISAT

List entries

Total Entries: 80Selected: 0

	#	DESIGNATION	CROSS	LOTS	AVAILABLE	ENTRY_CODE	GID	GROUP ID	STOCKID	SEED_SOU
<input type="checkbox"/>	1	IL001-18	AF12A-209-2/8/AF12A-423-4/16	2	1118.0 g	1	15404	15404	SID36-1, ...	
<input type="checkbox"/>	2	IL002-18	AF12A-209-2/8/AF12A-423-4/16	1	823.0 g	2	15803	-	SID41-2	
<input type="checkbox"/>	3	IL003-18	AF12A-209-2/8/AF12A-423-4/16	1	512.0 g	3	15804	-	SID41-3	
<input type="checkbox"/>	4	IL004-18	AF12A-209-2/8/AF12A-423-4/16	1	375.0 g	4	15805	-	SID41-4	

The first entry of this imported germplasm list was matched to an existing entry. The sum of the 2 lots of seed is reported along with the shared GID and Group ID. The other entries in the list were given their own inventory lots and GIDs.

# Related

- [Manage Germplasm](#)
- [Manage Inventory](#)