

Manage Program Settings

BMS 16.0-17.0 Manual

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Roles & Permissions

The following instructions describe the most of the functionalities available to a program administrator. Users with access to a breeding program have different abilities to review, edit, and manage breeding activities within the program. Depending on your permissions, not all described functionalities described here may be available to you.

Some data in the BMS is program-specific. Other data is crop-specific and can be accessed from any program sharing a crop database. For example, germplasm lists are program specific. However, all programs using a single crop can review and reserve any germplasm in the crop database.

Program level management activities

- Germplasm lists
- Nurseries
- Trials
- Favorites

Crop level management activities

- Germplasm and Inventory
- Locations
- Ontology terms
- Breeding methods

System Administrator

The system administrator, or Super Admin: adds new system users, defines user roles and permissions, and manages the BMS on a local or cloud server. The system administrator determines which crops to install and is responsible for maintaining the BMS, backup files, and server security. The system administrator can review and access all programs. See your system administrator if you need to access functionalities unavailable due to permission restrictions or if you have concerns about data security or BMS performance.

Program Administrator

A program administrator has full permissions within programs where they are members - including the ability to [add new system members](#), [manage the crop ontology](#) and [import new](#) germplasm into the system (these topics are described in other manual sections).

- Add new system users
- Add new programs
- Manage program settings
 - Basic Details: Name program

- Members: Assign system users to programs
- Locations: Add locations and establish program favorites
- Breeding Methods: Add methods and establish program favorites
- System Labels: Customize interface language
- Program Summary: Review

Restricted Permissions

Permissions can be restricted in a variety of ways. The following screenshot illustrates the BMS default breeder view. The follow tabs are available for review only, no editing allowed.

- Basic Details
- Locations
- Breeding Methods
- Program Summary

Add New Program

- Select Add A Program from the administrative buttons on the header menu.

Specify Crop

System administrators establish the available crops. Contact your system administrator to request additional crops.

- Select the desired crop from the drop down menu.

- Add a program name. Accept or change Program Start Date. Save and Finish.

ADD A PROGRAM ⓘ

To provide additional Program configuration, click on *Members*, *Locations*, and *Breeding Method* tabs. Note that *Locations* and *Methods* are optional and will be available once you complete the *Basic Details* form by clicking *Save*. Click *Finish* to complete the operation.

Basic Details | Members | Locations | Breeding Methods

Basic Details

Crop: * wheat

Program Name: * Durum Wheat

Program Start Date: * 2016-10-31

Reset Save

Cancel Finish

Delete Program

Caution: Deleting a program may result in permanent data loss. Contact your system administrator for assistance.

- Select Delete Program.

MANAGE PROGRAM SETTINGS ⓘ

Modify the details of this program, and manage the members, locations, and methods associated with it using the tabs below.

Basic Details | Members | Locations | Breeding Methods | System Labels | Program Summary

Basic Details

Crop: * maize

Program Name: * Maize Tutorial

Program Start Date: * 2016-03-10

Reset Save

DELETE PROGRAM

- Confirm deletion.

MANAGE PROGRAM SETTINGS ⓘ

Modify the details of this program, and manage the members, locations, and methods associated with it using the tabs below.

Basic Details | Members | Locations | Breeding Methods | System Labels | Program Summary

Basic Details

Crop: * maize

Program Name: * Maize Tutorial

Program Start Date: * 2016-03-10

Reset Save

DELETE PROGRAM

Delete Program ✕

Are you sure you want to delete Maize Tutorial?

No Yes

Manage Program Members

You can add any [active system user](#) to programs where you have administrative permission.

- Add program members by clicking on Program Members.

MANAGE PROGRAM SETTINGS ⓘ

Modify the details of this program, and manage the members, locations, and methods associated with it using the tabs below.

Basic Details | Members | Locations | Breeding Methods | System Labels | Program Summary

Basic Details

Crop: * wheat

Program Name: * Durum Wheat

Program Start Date: * 2016-10-31

Reset Save

DELETE PROGRAM

- Drag and drop selected system users into your program. Notice that the Super admin and the program's creator are program members by default.

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Modify the details of this program, and manage the members, locations, and methods associated with it using the tabs below.

Program Members

Choose team members for this program by dragging available users from the list on the left into the Program Members list on the right.

AVAILABLE USERS

USER NAME	ROLE
<input type="checkbox"/> Robin Wilson	Breeder
<input type="checkbox"/> Rosemary Shrestha	Admin
<input type="checkbox"/> Rowena Tulod	Admin
<input type="checkbox"/> Sebastian Raubach	Admin
<input type="checkbox"/> Shiela Barbacena	Breeder
<input type="checkbox"/> tec tec	Technician
<input type="checkbox"/> tec1 tec1	Technician
<input type="checkbox"/> Technician Mariano	Technician
<input type="checkbox"/> Technician One	Technician
<input type="checkbox"/> Technician Two	Technician
<input type="checkbox"/> technician1 technician1	Technician
<input type="checkbox"/> Terry Molnar	Admin
<input type="checkbox"/> Tin Palma	Admin
<input type="checkbox"/> Yanxin Gao	Breeder
<input checked="" type="checkbox"/> Gregor Mendel	Breeder

☐ Select All

SELECTED PROGRAM MEMBERS

USER NAME	ROLE
<input type="checkbox"/> Super Admin	Admin
<input checked="" type="checkbox"/> Shawn Yarnes	Admin

☐ Select All [Remove Selected Members](#)

[Reset](#) [Save](#)

- Select Save to finalize the addition or subtraction of a program member.

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Modify the details of this program, and manage the members, locations, and methods associated with it using the tabs below.

Program Members

Choose team members for this program by dragging available users from the list on the left into the Program Members list on the right.

AVAILABLE USERS

USER NAME	ROLE
<input checked="" type="checkbox"/> Rachita Sharma	Admin
<input type="checkbox"/> Robin Wilson	Breeder
<input type="checkbox"/> Rosemary Shrestha	Admin
<input type="checkbox"/> Rowena Tulod	Admin
<input type="checkbox"/> Sebastian Raubach	Admin
<input type="checkbox"/> Shiela Barbacena	Breeder
<input type="checkbox"/> tec tec	Technician
<input type="checkbox"/> tec1 tec1	Technician
<input type="checkbox"/> Technician Mariano	Technician
<input type="checkbox"/> Technician One	Technician
<input type="checkbox"/> Technician Two	Technician
<input type="checkbox"/> technician1 technician1	Technician
<input type="checkbox"/> Terry Molnar	Admin
<input type="checkbox"/> Tin Palma	Admin
<input type="checkbox"/> Yanxin Gao	Breeder

☐ Select All

SELECTED PROGRAM MEMBERS

USER NAME	ROLE
<input type="checkbox"/> Super Admin	Admin
<input checked="" type="checkbox"/> Shawn Yarnes	Admin
<input type="checkbox"/> Gregor Mendel	Breeder

☐ Select All [Remove Selected Members](#)

[Reset](#) [Save](#)

Manage Locations

Add a new location. Edit existing locations, and maintain a list of location favorites.

Add New Location

- Select Add New Location.

BREEDING ACTIVITIES

Manage Germplasm

Manage Nurseries

Manage Trials

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Site Admin My Programs ? admin

MANAGE PROGRAM SETTINGS

Modify the details of this program, and manage the members, locations, and methods associated with it using the tabs below.

Basic Details Members Locations Breeding Methods System Labels Program Summary

Locations

ADD NEW LOCATION

To choose Favorite Locations for your program, select entries from the Available Locations table at the top and drag them into the lower table. You can also add any new locations that you need for managing your program.

ALL LOCATIONS

Search For: Go

Filter By: All Countries BREEDING LOCATION

Total Entries: 121 Selected: 0

NAME	ABBR.	LOCATION ID	PROGRAM SPECIFIC	COUNTRY	PROVINCE	LAT	LONG	ALT	TYPE
-	-	9229	NO		Unknown				BREEDING LOCATION
Atham	AH	9259	NO	Germany	Unknown				BREEDING LOCATION
Agua Fria	AF	9239	YES	Mexico	Unknown	22.8	103.6	2230.0	BREEDING LOCATION
Almagro	ALM	9276	NO	Argentina	Buenos Aires				BREEDING LOCATION
CB_QA_TEST	QA_TEST	9255	NO	Colombia	Unknown				BREEDING LOCATION
CGMSITE01	CGM1	9118	NO	Mexico	Unknown				BREEDING LOCATION
CGMSITE02	CGM2	9119	NO	Mexico	Unknown				BREEDING LOCATION
CGMSITE03	CGM3	9120	NO	Mexico	Unknown				BREEDING LOCATION
CGMSITE04	CGM4	9121	NO	Mexico	Unknown				BREEDING LOCATION

☐ Select All
 [Add to Favorite Locations](#)

- Enter location details and Save. You can make the new location accessible from all crop programs or restrict to this program alone.

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ALL LOCATIONS

Search For: Go

Filter By: All Countries BREEDING LOCATION

Total Entries: 121 Selected: 0

NAME	ABBR.	LOCATION ID	PROGRAM SPECIFIC	COUNTRY	PROVINCE	LAT	LONG	ALT	TYPE
-	-	9229	NO		Unknown				BREEDING LOCATION
Atham	AH	9259	NO	Germany	Unknown				BREEDING LOCATION
Agua Fria	AF	9239	YES	Mexico	Unknown	22.8	103.6	2230.0	BREEDING LOCATION
Almagro	ALM	9276	NO	Argentina	Buenos Aires				BREEDING LOCATION
CB_QA_TEST	QA_TEST	9255	NO	Colombia	Unknown				BREEDING LOCATION
CGMSITE01	CGM1	9118	NO	Mexico	Unknown				BREEDING LOCATION
CGMSITE02	CGM2	9119	NO	Mexico	Unknown				BREEDING LOCATION
CGMSITE03	CGM3	9120	NO	Mexico	Unknown				BREEDING LOCATION
CGMSITE04	CGM4	9121	NO	Mexico	Unknown				BREEDING LOCATION

☐ Select All
 [Add to Favorite Locations](#)

Add New Location

* indicates a mandatory field.

Location Name *

Win

Location Abbreviation *

Win

Location Type *

BREEDING LOCATION

Country

United States

Province

California

Geographical Details

38.5 122.0 40.0

Latitude Longitude Altitude

☒ Accessible from all crop programs

Cancel

Save

- Newly created germplasm automatically populate the program favorites. Select Save Favorites if you want the newly created location to remain in the program favorites.

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Locations

ADD NEW LOCATION

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ALL LOCATIONS

Search For: Go

Filter By: All Countries BREEDING LOCATION

Total Entries: 122 Selected: 0

NAME	ABBR.	LOCATION ID	PROGRAM SPECIFIC	COUNTRY	PROVINCE	LAT	LONG	ALT	TYPE
Winters	Win	9278	NO	United State	California	38.5	122.0	40.0	BREEDING LOCATION
-	-	9229	NO		Unknown				BREEDING LOCATION
Atham	AH	9259	NO	Germany	Unknown				BREEDING LOCATION
Agua Fria	AF	9239	YES	Mexico	Unknown	22.8	103.6	2230.0	BREEDING LOCATION
Almagro	ALM	9276	NO	Argentina	Buenos Aires				BREEDING LOCATION
CB_QA_TEST	QA_TEST	9255	NO	Colombia	Unknown				BREEDING LOCATION
CGMSITE01	CGM1	9118	NO	Mexico	Unknown				BREEDING LOCATION
CGMSITE02	CGM2	9119	NO	Mexico	Unknown				BREEDING LOCATION
CGMSITE03	CGM3	9120	NO	Mexico	Unknown				BREEDING LOCATION

☐ Select All
 [Add to Favorite Locations](#)

FAVORITE PROGRAM LOCATIONS

Save Favorites

Total Entries: 5 Selected: 0

Select Favorites

- Drag and drop selected locations to the program favorites list. For ease of use, the more concise list of program favorites will be offered by default across the program.

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To choose Favorite Locations for your program, select entries from the Available Locations table at the top and drag them into the lower table. You can also add any new locations that you need for managing your program.

ADD NEW LOCATION

ALL LOCATIONS

Search For:GoFilter By: All CountriesBREEDING LOCATION

Total Entries: 735Selected: 1

NAME	ABBR.	LAT	LONG	ALT	TYPE
<input type="checkbox"/> ANCONA	ITA:ANC				BREEDING LOCATION
<input checked="" type="checkbox"/> ANKARA, TURKEY	A				BREEDING LOCATION
<input type="checkbox"/> ANKARA,TURKEY	YA				BREEDING LOCATION
<input type="checkbox"/> ANKUR RESEARCH FARM KINHI NAGPUR	-				BREEDING LOCATION
<input type="checkbox"/> ANTAKYA HATAY	-				BREEDING LOCATION
<input type="checkbox"/> ANTOCIANINA HOJA BAT	ANHJB				BREEDING LOCATION
<input type="checkbox"/> APAM,HGO	APAM				BREEDING LOCATION
<input type="checkbox"/> APAN,HIDALGO	APAN				BREEDING LOCATION
<input type="checkbox"/> Arab Centre for the Studies of Arid Zones and Dry Lands					BREEDING LOCATION

☐ Select AllAdd to Favorite Locations

FAVORITE PROGRAM LOCATIONS

Total Entries: 0Selected: 0

NAME	ABBR.	LAT	LONG	ALT	TYPE
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Save Favorites

- Select Save Favorites.

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ADD NEW LOCATION

ALL LOCATIONS

Search For:GoFilter By: All CountriesBREEDING LOCATION

Total Entries: 735Selected: 0

NAME	ABBR.	LAT	LONG	ALT	TYPE
<input type="checkbox"/> ANCONA	ITA:ANC				BREEDING LOCATION
<input type="checkbox"/> ANKARA, TURKEY	A				BREEDING LOCATION
<input type="checkbox"/> ANKARA,TURKEY	YA				BREEDING LOCATION
<input type="checkbox"/> ANKUR RESEARCH FARM KINHI NAGPUR	-				BREEDING LOCATION
<input type="checkbox"/> ANTAKYA HATAY	-				BREEDING LOCATION
<input type="checkbox"/> ANTOCIANINA HOJA BAT	ANHJB				BREEDING LOCATION
<input type="checkbox"/> APAM,HGO	APAM				BREEDING LOCATION
<input type="checkbox"/> APAN,HIDALGO	APAN				BREEDING LOCATION
<input type="checkbox"/> Arab Centre for the Studies of Arid Zones and Dry Lands					BREEDING LOCATION

☐ Select AllAdd to Favorite Locations

FAVORITE PROGRAM LOCATIONS

Total Entries: 1Selected: 0

NAME	ABBR.	LAT	LONG	ALT	TYPE
<input type="checkbox"/> ANKARA, TURKEY	A				BREEDING LOCATION

Save Favorites

Manage Breeding Methods

Choose the breeding methods used in the breeding program from the list of available methods. Add new custom methods as needed. Highlight available methods to populate the program favorites lists. Select Add to Favorite Methods and Save Favorites. Selected breeding methods will be available for selection during generation advancement.

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Breeding Methods

ADD NEW METHOD

To choose Favorite Breeding Methods for your program, select entries from the Available Breeding Methods table at the top and drag them onto the lower table. You can also add any new methods that you need for managing your program.

AVAILABLE METHODS

Search For:GoFilter By:All Generation Advancement TypesAll Crop Reproductive Systems

Total Entries: 146Selected: 0

METHOD NAME	DESCRIPTION	GROUP	CODE	TYPE	DATE	CLASS
<input type="checkbox"/> Accession into genebank	GID represents a sample accessed into a formal genebank collection	G	AGB1	MAN	N/A	Seed ...
<input type="checkbox"/> Accession into historical genebank	GID represents a sample that was accessed into a genebank that has since been d...	G	AGB2	MAN	N/A	Seed ...
<input type="checkbox"/> Allo-polyploid	Polyploid formed by doubling the chromosomes of a cross between two or more s...	G	ALP	GEN	06/10/1998	Cytog...
<input type="checkbox"/> Auto-polyploid	Polyploid formed by doubling the chromosome number of a species.	G	AUP	GEN	06/10/1998	Cytog...
<input type="checkbox"/> Backcross	Backcross to recover a specific gene. The coding in the genealogical table records ...	G	BCR	GEN	06/10/1998	Cross...
<input type="checkbox"/> BC2SF1	Complex interspecific cross used in the Upland Perennial Rice Project	S	UP9	GEN	N/A	
<input type="checkbox"/> BCLF1/BCLF1	Complex interspecific cross used in the Upland Perennial Rice Project	S	UP1	GEN	N/A	
<input type="checkbox"/> Breeders seed	Producing Breeders Seed. Pure seed produced by breeder (usually some kept by b...	G	VBS	MAN	06/10/1998	Seed ...
<input type="checkbox"/> Broad based tester, line	Test (Top) cross between a known plant and a broad based (many plants) tester. F...	O	TBL	GEN	06/10/1998	Cross...

Select AllAdd to Favorite Methods

FAVORITE PROGRAM METHODS

Total Entries: 0Selected: 0

METHOD NAME	DESCRIPTION	GROUP	CODE	TYPE	DATE	CLASS
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Save Favorites

System Labels

- Customize the labels that appear in table heading throughout the program by altering the text and saving.

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System Labels

You can customize labels that appear in table headings throughout the system by modifying them below.

ID	DEFINITION	CURRENT LABEL
1700	Available inventory	LOTS
1701	Breeding method name	BREEDING METHOD NAME
1702	Breeding method abbreviation	BREEDING METHOD
1703	Breeding method number	BREEDING METHOD NUMBER
1704	Breeding method group	BREEDING METHOD GROUP
1709	Germplasm Date	GERMPLASM DATE
1711	Preferred ID	PREFERRED ID

Program Summary

- Review and export program summary. Use the Actions menu options to narrow or sort program activities.

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Modify the details of this program, and manage the members, locations, and methods associated with it using the tabs below.

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PROGRAM SUMMARY ALL [36]

EXPORTActions

NAME	TITLE	OBJECTIVE	START DATE	END DATE	PRINCIPAL INVESTIGATOR	SITE NAME	STUDY TYPE
4b15	location testing		2016-09-12	N/A		700000057	Trial
b11 F1 nursery test	dsiknsdfkj		2016-04-19	N/A			Nursery
b13 literary character	b13		2016-08-05	N/A			Nursery
b13 Maize Tutorial	testing location wonkiness		2016-07-07	N/A			Trial
b13 MT 2nd try	testing		2016-07-07	N/A			Trial
b13 with duplicates	b13 with duplicates		2016-07-14	N/A			Nursery
b13patch	sdfsdf		2016-07-19	N/A		Agua Fria	Trial
b16 bulks recips	b16		2016-10-18	N/A			Nursery
b16 dups recips	b16		2016-10-18	N/A			Nursery
beta 11 cross test	beta 11 cross test		2016-04-19	N/A			Nursery

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Related Materials

- [Access & User Management](#)
- [Study Locations](#)
- [Manage Ontology](#)
- [Germplasm Import](#)

