

Environments

BMS 11.0 Manual

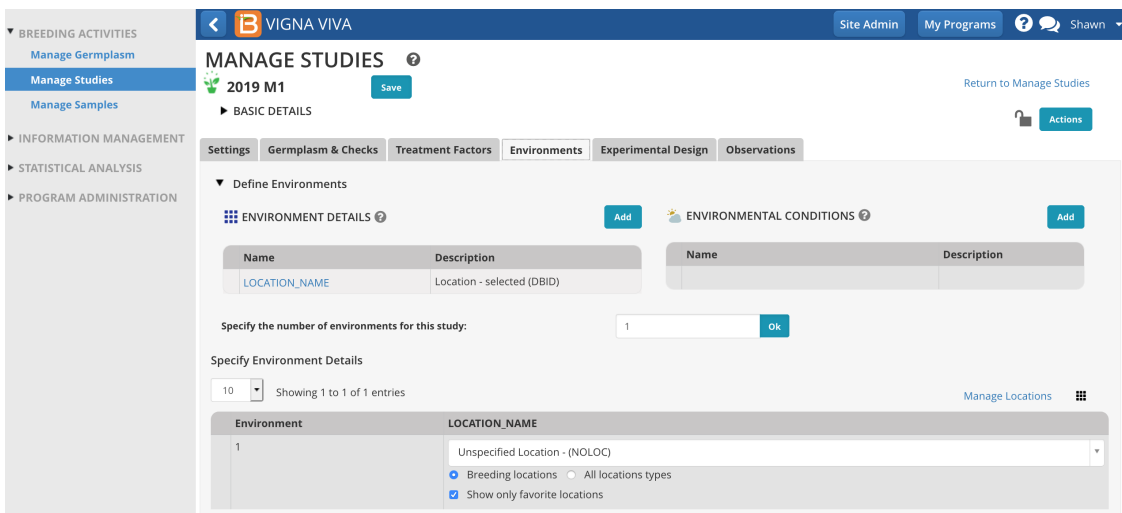
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About

Multiple environments can be specified for a study. Environments can be described by location, time, and conditions.

Number of Environments

- Specify the number of environments for your study and click **Ok**.



The screenshot shows the 'MANAGE STUDIES' interface for '2019 M1'. The 'ENVIRONMENTS' tab is selected. Under 'Define Environments', there are two sections: 'ENVIRONMENT DETAILS' and 'ENVIRONMENTAL CONDITIONS'. The 'ENVIRONMENT DETAILS' section has a table with columns 'Name' and 'Description'. The 'Name' column contains 'LOCATION_NAME' and the 'Description' column contains 'Location - selected (DBID)'. Below this table, there is a field to 'Specify the number of environments for this study:' with a value of '1' and an 'Ok' button. The 'ENVIRONMENTAL CONDITIONS' section is currently empty. At the bottom, there is a 'Specify Environment Details' section with a dropdown menu showing '10' and 'Showing 1 to 1 of 1 entries'. Below this is a table with columns 'Environment' and 'LOCATION_NAME'. The 'Environment' column has a value of '1' and the 'LOCATION_NAME' column has a dropdown menu showing 'Unspecified Location - (NOLOC)'. There are also checkboxes for 'Breeding locations' (checked), 'All locations types' (unchecked), and 'Show only favorite locations' (checked).

Environment Details

Location Name

Location name is mandatory. The default location name is '**Unspecified Location.**'

- Specify a Location Name for each of your environments.
 - Filter by location type with corresponding selector. Default will be set to "All location types"
 - If favorite locations have been specified, checking the "Show Favorite Location" box will narrow the location options to those relevant to your breeding program
 - Select Manage Location to customize the programs favorite location list. Add a New Location button may or may not be available to you depending on user permissions. See more on permissions and location management under [Manage Program Settings](#).

BREEDING ACTIVITIES

Manage Germplasm

Manage Studies

Manage Samples

INFORMATION MANAGEMENT

STATISTICAL ANALYSIS

PROGRAM ADMINISTRATION

VIGNA VIVA

Site Admin My Programs ? Shawn

Settings Germplasm & Checks Treatment Factors Environments Experimental Design Observations

Define Environments

ENVIRONMENT DETAILS

Name

LOCATION_NAME

Description

Location - selected (DBID)

ENVIRONMENTAL CONDITIONS

Name

Description

Specify the number of environments for this study: 2 Ok

Specify Environment Details

10 Showing 1 to 2 of 2 entries Manage Locations

Environment	LOCATION_NAME
1	<div>Int Institute of Tropical Agriculture</div> <div> <div>Breeding locations</div> <div>All locations types</div> </div> <div>Show only favorite locations</div>
2	<div>INT CROPS RES INST FOR THE SEMI-ARID TROPICS</div> <div> <div>Breeding locations</div> <div>All locations types</div> </div> <div>Show only favorite locations</div>

Other Details

- Click on the **Add** button in the corresponding section to browse for variables (see [Manage Ontology](#)). The selected variables are now available for data entry. Save.

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Define Environments

ENVIRONMENT DETAILS

Name

LOCATION_NAME

Description

Location - selected (DBID)

ENVIRONMENTAL CONDITIONS

Name

Description

Specify the number of environments for this study: 2 Ok

Specify Environment Details

10 Showing 1 to 2 of 2 entries Manage Locations

Environment	LOCATION_NAME	SITE_ALT
1	<div>Int Institute of Tropical Agriculture</div> <div> <div>Breeding locations</div> <div>All locations types</div> </div> <div>Show only favorite locations</div>	755
2	<div>INT CROPS RES INST FOR THE SEMI-ARID TROPICS</div> <div> <div>Breeding locations</div> <div>All locations types</div> </div> <div>Show only favorite locations</div>	

Study Conditions

Study conditions can include uncontrolled factors, such as weather, and controlled factors like chemical applications and watering regimes.

- Click on the **Add** button in the corresponding section to browse for variables (see [Manage Ontology](#)). The selected variables are now available for data entry. Save.

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VIGNA VIVA

Site AdminMy Programs?Shawn

ENVIRONMENT DETAILS

ENVIRONMENTAL CONDITIONS

Name	Description
LOCATION_NAME	Location - selected (DBID)
SITE_ALT	Altitude of site - observed (m)

Select AllRemove

Specify the number of environments for this study:

2Ok

Specify Environment Details

10Showing 1 to 2 of 2 entriesManage Locations

Environment	LOCATION_NAME	SITE_ALT	Irrig_Gen_Tr
1	<div>Int Institute of Tropical Agriculture</div> <div>Breeding locationsAll locations types</div> <div>Show only favorite locations</div>	755	None
2	<div>INT CROPS RES INST FOR THE SEMI-ARID TROPICS</div> <div>Breeding locationsAll locations types</div> <div>Show only favorite locations</div>	1657	Lo

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Related Materials

- [Manage Studies](#)
- [Study Settings](#)
- [Study Germplasm](#)
- [Treatment Factors](#)
- [Study Design](#)
- [Observations](#)
- [Sub-Observations](#)
- [Manage Ontology](#)
- [Manage Program Settings](#)