

Environments

BMS 12.0 Manual

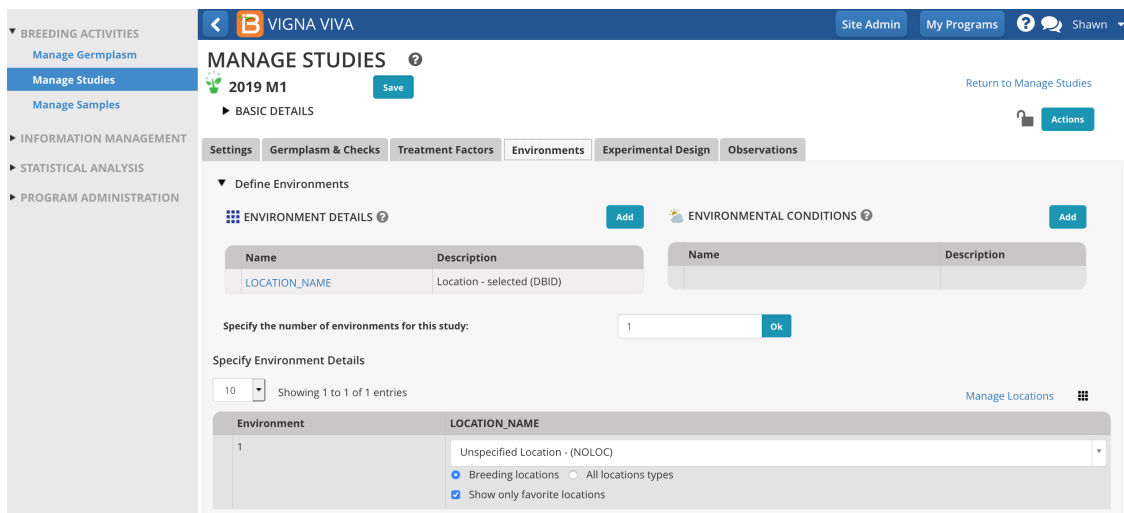
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About

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 first row shows 'LOCATION_NAME' with description 'Location - selected (DBID)'. Below this, 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 first row shows '1' and 'Unspecified Location - (NOLOC)'. There are also checkboxes for 'Breeding locations' (checked), 'All locations types', and 'Show only favorite locations'.

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

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SettingsGermplasm & ChecksTreatment FactorsEnvironmentsExperimental DesignObservations

Define Environments

ENVIRONMENT DETAILS

NameDescription

LOCATION_NAMELocation - selected (DBID)

ENVIRONMENTAL CONDITIONS

NameDescription

Specify the number of environments for this study: 2

Specify Environment Details

10Showing 1 to 2 of 2 entries

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

NameDescription

LOCATION_NAMELocation - selected (DBID)

SITE_ALTAltitude of site - observed (m)

ENVIRONMENTAL CONDITIONS

NameDescription

Specify the number of environments for this study: 2

Specify Environment Details

10Showing 1 to 2 of 2 entries

| Environment | LOCATION_NAME | SITE_ALT |
|-------------|---|----------|
| 1 | <div>Int Institute of Tropical Agriculture</div> <div> <div>Breeding locations</div> <div>All locations types</div> <div>Show only favorite locations</div> </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>Show only favorite locations</div> </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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PROGRAM ADMINISTRATION

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](#)