

NEW RELEASE

Memo no. 2019-03 September 2019

BMS v13

73
BUG FIXES

24
TICKETS
RESOLVED

We are happy to release v13 of BMS Pro, with substantial improvements:

Calculated variables:

- New `avg()` and `sum()` functions for average and summation.
- Take formula inputs from the sub-observation levels (plants, quadrats, etc)
- Take formula inputs from the environment level

Roles and permissions:

- Better schema with the possibility to assign more than one role to users in different programs and/or crops
- New site admin functionality to create and edit roles and permissions

Studies - Observations:

- New model with staging for pending data for plot observations
- Filter by trait values and/or plot descriptors
- Filter by out of bounds data
- Batch actions: update trait values for all the records that match a filter criteria

Graphical filtering:

BrAPI filtering tool now supports all levels of observations (means, plots, plants, etc)
Combine filter by Studies, Locations, GID and time range of the observation

Naming conventions: new padded sequence to support padding with zeros

New BRAPI calls:

- GET /calls (upgraded to v1.3)
- GET /search/germplasm (v1.3)
- GET /search/germplasm/{id} (v1.3)

Limitation to change entry number in a study

Performance improvements, security improvements and bug fixes



Coming soon! Visit our [youtube channel](#) to view a 3-part series on the new study changes.

Edit User

* Indicates a mandatory field

Name * Breeder Laborde

username * mlaborde-bis

Email *

Crops * maize rice soybean wheat

Roles * **Assign role**

Role name	Role type	Crop	Program
Admin	INSTANCE		
Full program manager	CROP	soybean	
Full program manager	CROP	maize	

User status * Active Inactive

Send an email for the user to reset their password

Create Role

* Indicates a mandatory field

Role name * Crop role example

Description

Role type * Crop

Permissions * **Select permissions**

- Full
 - Crop Management
 - Manage Ontologies
 - Import Germplasm
 - Manage Genotyping Data
 - Manage programs
 - Breeding Activities
 - Manage Germplasm
 - Manage Samples
 - Manage Studies
 - Information Management
 - Browse Studies
 - Head to Head Query
 - Multi-trait Query
 - Import Datasets
 - Statistical Analysis
 - Single-Site Analysis
 - Multi-Site Analysis

HIGHLIGHT:

Mix & match roles and permissions

The new site administration module allows for users to be added to the system, and assigned customized roles and permissions. A user can now have multiple roles depending on the program and crop they are working with.

This provides a lot more versatility at the time of assigning roles to users. Now you can have users with admin permissions in some programs, and more restricted permissions in other ones.

Useful links:

- ✓ [v13 Release Notes](#)
- ✓ [Frequently Asked Questions \(FAQ\)](#)
- ✓ [Help Desk](#)
- ✓ [Support articles \(How-to and troubleshooting\)](#)



BMS Pro: better data, better crops.
A product of the Integrated Breeding Platform
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