

## Make Field Map - BETA

BMS 13.0-14.0 Manual

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## Beta Functionality

Field design is BETA functionality with known usability limitations. Expect to see improvements in future versions.

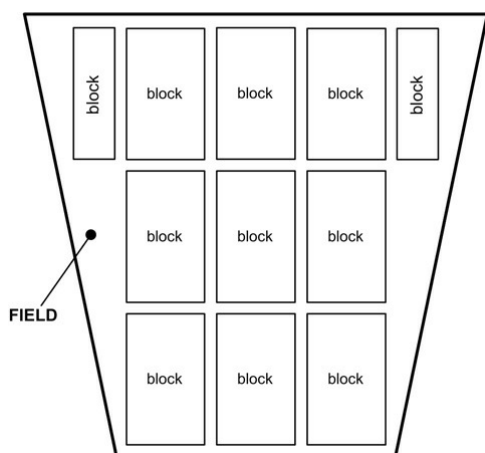
## Access

- Field design is accessible from the Actions menu within studies. Select Make Field Map to get started.

## Field & Block Details

The BMS uses the term 'field' to represent a large area at a location that is subdivided into blocks of land, where a 'block' is part of the field that will be planted in a consistent way. Planting block is the unit that is mapped.

### Fields & Blocks



Establish the field location, field name, and block name.

- BARCODE OPTIONS

Do you need barcodes on your labels? ☒ Yes ☐ No

SAVE LABEL SETTINGS

Enter a name if you would like to save these settings to use again:

SET THE NAME OF THE FILE

Filename:\*

You can use a single field for your barcode, or join up to three fields to create a unique ID value for your labels.

First barcode field:

Second barcode field:

Third barcode field:

Cancel

Save Preset

Export Label

$$Plots\ Available = 500 = \left(\frac{100}{2}\right) (10)$$

The field plan is 50 X 10 plots. In this example, we specified 100 rows and 2 rows per plot, so the field plan has 50 columns by the specified 10 ranges.

## Planting Details

Establish the planting details.

- Starting Coordinates: Leave the default starting coordinates for plots set to column 1 and range 1. If you wish to start planting at another position, for example to fill a field that is already partially planted, you can customize the starting coordinates.
- Plot Layout Order: The Row/Column option will cause the planting order to return to the same side to start each row. The Serpentine option will cause the planting order to run in alternating directions from row to row. Select Row/Column for the planting order of this field plan.
- Row Capacity of Planting Machine: Determines how many rows are planted in each direction in one pass of the planting machine, but does not affect the plot layout. Leave this set to 1, which is also a suitable setting if your field will be planted by hand.
- Unavailable Plots: Specify any plots in the block that are unsuitable for planting. Click on the plot in the block map to generate a red X. For this example, note Column 1/Range 7 and Column 2/Range 7 as non-plantable.?

Select Next to generate the field map.

MAKE A FIELD PLAN

1. ENTER FIELD DETAILS

2. ENTER PLANTING DETAILS

3. GENERATE FIELD MAP

PLANTING DETAILS

\* indicates a mandatory field

Starting Coordinates: 

1

column

1

range

Plot Layout Order:\*

Row/Column

Serpentine

Row Capacity of Planting Machine:

1

UNAVAILABLE PLOTS

If there are any plots in this block that are unusable, mark them with an X.

Rows	1	2	3	4	5	6	7	8	9	10	11	12	13
	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10	Column 11	Column 12	Column 13
Range 10													
Range 9													
Range 8													
Range 7	X	X											
Range 6													
Range 5													
Range 4													
Range 3													
Range 2													
Range 1													
	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10	Column 11	Column 12	Column 13

## Field Map

The field map shows each plot within the block from the starting position with the trial or nursery name and plot number on the top line and the Entry number on the second line. The option to export the field plan to an Excel file is available under the Actions menu.

- Review the summary of the field map settings as well as a graphical display. Click finish to save the field map and return to the Manage Nursery view.

SUMMARY OF NURSERY, FIELD AND PLANTING DETAILS

Selected Nurseries:

Order	Nursery	Dataset	Plots Needed
1	MT2011F3	MT2011F3-PLOTDATA	274

Total Number of Plots : 274

FIELD AND BLOCK DETAILS

Field Location: CIMMYT Harare

Field Name: Field 1

Block Name: Block 1

ROW, RANGE AND PLOT DETAILS

Block Capacity: 100 Rows, 10 Ranges

Rows per Plot: 2

Columns: 50

PLANTING DETAILS

Starting Coordinates: Column 1, Range 1

Plot Layout Order: Row/Column

Row Capacity of Planting Machine: 1

FIELD MAP

Actions

Arrows indicate direction of travel of the planting machine.

Range 8						
Range 7	X	X				
Range 6	MT2011F3-251 Entry 251	MT2011F3-252 Entry 252	MT2011F3-253 Entry 253	MT2011F3-254 Entry 254	MT2011F3-255 Entry 255	MT2011F3-256 Entry 256
Range 5	MT2011F3-201 Entry 201	MT2011F3-202 Entry 202	MT2011F3-203 Entry 203	MT2011F3-204 Entry 204	MT2011F3-205 Entry 205	MT2011F3-206 Entry 206
Range 4	MT2011F3-151 Entry 151	MT2011F3-152 Entry 152	MT2011F3-153 Entry 153	MT2011F3-154 Entry 154	MT2011F3-155 Entry 155	MT2011F3-156 Entry 156
Range 3	MT2011F3-101 Entry 101	MT2011F3-102 Entry 102	MT2011F3-103 Entry 103	MT2011F3-104 Entry 104	MT2011F3-105 Entry 105	MT2011F3-106 Entry 106
Range 2	MT2011F3-51 Entry 51	MT2011F3-52 Entry 52	MT2011F3-53 Entry 53	MT2011F3-54 Entry 54	MT2011F3-55 Entry 55	MT2011F3-56 Entry 56
Range 1	MT2011F3-1 Entry 1	MT2011F3-2 Entry 2	MT2011F3-3 Entry 3	MT2011F3-4 Entry 4	MT2011F3-5 Entry 5	MT2011F3-6 Entry 6
	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6
	↑	↓	↑	↓	↑	↓
Rows	1	2	3	4	5	6