

Develop Planting List

BMS 13.0-14.0 Tutorials

[Hybrid Performance Trial Scenario](#)
[Create List of Germplasm](#)
[Save List](#)

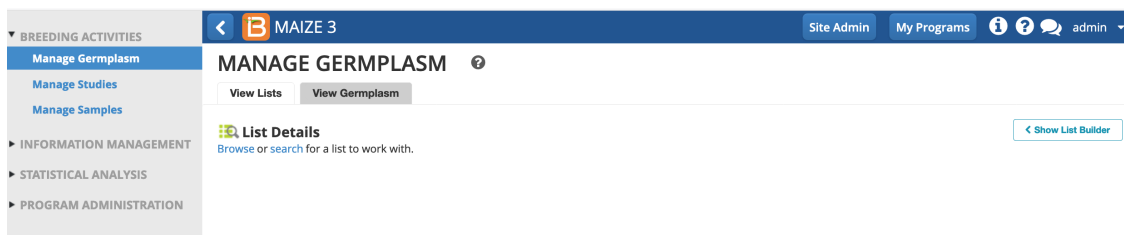
Hybrid Performance Trial Scenario

The hybrid performance trial begins at the ending of the previous series, *Study 1: Doubled Haploid Nursery*. Hybrids created from doubled haploid parents will now be evaluated in a randomized performance trial. If you have completed the Study 1 series you will have created a list of 20 hybrids. If not, you can use pre-loaded example germplasm as the basis for the following activities.

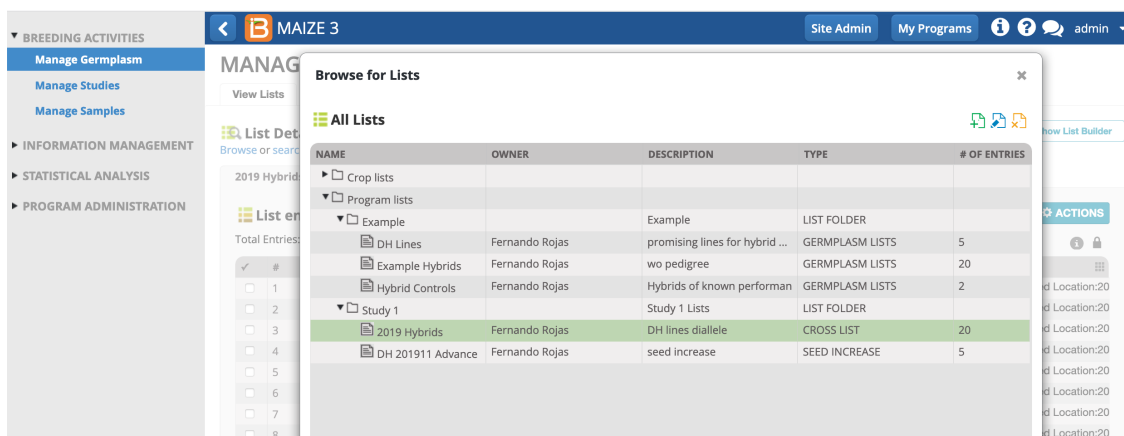
- Create a planting list for the performance trial which includes hybrids and controls.
- Create performance trial study using a template to pre-populate details.
- Generate a randomized incomplete block design.
- Export data files for data collection.
- Import fictionalized data.
- Review and accept pending data.
- Calculate derived variables.

Create List of Germplasm

- Select browse to reveal germplasm list directory.



- Select list of 20 hybrids to test in the performance trial. If you completed the previous tutorial series, you will have created a list of 20 hybrids. If you are starting this series de novo, you can use the pre-loaded list of Example Hybrids.



NAME	OWNER	DESCRIPTION	TYPE	# OF ENTRIES
2019 Hybrids	Fernando Rojas	DH lines diallele	CROSS LIST	20
Example Hybrids	Fernando Rojas	wo pedigree	GERMPLASM LISTS	20
Hybrid Controls	Fernando Rojas	Hybrids of known performan	GERMPLASM LISTS	2
DH Lines	Fernando Rojas	promising lines for hybrid ...	GERMPLASM LISTS	5
DH 201911 Advance	Fernando Rojas	seed increase	SEED INCREASE	5

The list of hybrids created in the previous tutorial series is selected.

In addition to the 20 test hybrids, we will include some controls in the performance trial.

- Select the preloaded lists, Hybrid Controls (2 entries) and DH Lines (5 entries). All of the selected lists will open behind the directory pop-up. Close the pop-up to review list details. Select Show List Builder.

BREEDING ACTIVITIES

Manage Germplasm

Manage Studies

Manage Samples

INFORMATION MANAGEMENT

STATISTICAL ANALYSIS

PROGRAM ADMINISTRATION

MAIZE 3

Site AdminMy Programsadmin

MANAGE GERMLASM

View ListsView Germplasm

List Details

Browse or search for a list to work with.

2019 HybridsDH LinesHybrid Controls

List entries

Total Entries: 2Selected: 0

#	DESIGNATION	CROSS	LOTS	AVAILABLE	ENTRY_CODE	GID	GROUP ID	STOCKID	SEED_SOURCE
1	HM11	HK-1128 x HK1-163	1	789.0 g	1	73	-	SID5-1	
2	EH43402	CI-4xCI-5 x KDM1-16	1	812.0 g	2	74	-	SID5-2	

Show List Builder

Close All Tabs

ACTIONS

- Select the two control hybrids. Right click to reveal action menu or drag and drop to Add Selected Entries to New List.

BREEDING ACTIVITIES

Manage Germplasm

Manage Studies

Manage Samples

INFORMATION MANAGEMENT

STATISTICAL ANALYSIS

PROGRAM ADMINISTRATION

MAIZE 3

Site AdminMy Programsadmin

MANAGE GERMLASM

View ListsView Germplasm

List Details

Browse or search for a list to work with.

2019 HybridsDH LinesHybrid Controls

List entries

Total Entries: 2Selected: 2

#	DESIGNATION	CROSS	LOTS	AVAILABLE
1	HM11	HK-1128 x HK1-163	1	789.0 g
2	EH43402	CI-4xCI-5 x KDM1-16	1	812.0 g

Select all

Remove selected entries from list

Add Selected Entries to New List

Hide List Builder

Close All Tabs

Build a New List

Build or revise your list by dragging in entries from the left.

List entries

Total Entries: 0Selected: 0

#	DESIGNATION	CROSS	LOTS	AVAILABLE	ENTRY_CODE
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Edit List Details

ACTIONS

- Repeat with the 5 DH Lines.

BREEDING ACTIVITIES

Manage Germplasm

Manage Studies

Manage Samples

INFORMATION MANAGEMENT

STATISTICAL ANALYSIS

PROGRAM ADMINISTRATION

MAIZE 3

Site AdminMy Programsadmin

MANAGE GERMLASM

View ListsView Germplasm

List Details

Browse or search for a list to work with.

2019 HybridsDH LinesHybrid Controls

List entries

Total Entries: 5Selected: 5

#	DESIGNATION	CROSS	LOTS	AVAILABLE	ENTRY_CODE
1	DH-001	-	1	474.0 g	1
2	DH-002	-	1	541.0 g	2
3	DH-003	-			
4	DH-004	-			
5	DH-005	-			

Select all

Remove selected entries from list

Edit Value

Add Selected Entries to New List

Hide List Builder

Close All Tabs

Build a New List

Build or revise your list by dragging in entries from the left.

List entries

Total Entries: 2Selected: 0

#	DESIGNATION	CROSS	LOTS	AVAILABLE
1	HM11	HK-1128 x HK1-163	1	789.0 g
2	EH43402	CI-4xCI-5 x KDM1-16	1	812.0 g

Edit List Details

ACTIONS

- Repeat with 20 test hybrids. Review the list of 27 entries. Select Save.

BREEDING ACTIVITIES

Manage Germplasm

Manage Studies

Manage Samples

INFORMATION MANAGEMENT

STATISTICAL ANALYSIS

PROGRAM ADMINISTRATION

MAIZE 3

Site AdminMy Programsadmin

MANAGE GERMLASM

View ListsView Germplasm

List Details

Browse or search for a list to work with.

2019 HybridsDH LinesHybrid Controls

List entries

Total Entries: 20Selected: 20

#	DESIGNATION	CROSS	LOTS	AVAILABLE	ENTRY_CODE
1	Hyb19-001	DH-001/DH-002	1	1054.0 g	1
2	Hyb19-002	DH-001/DH-003	1	1438.0 g	2
3	Hyb19-003	DH-001/DH-004	1	1161.0 g	3
4	Hyb19-004	DH-001/DH-005	1	1473.0 g	4
5	Hyb19-005	DH-002/DH-001	1	2842.0 g	5
6	Hyb19-006	DH-002/DH-003	1	1852.0 g	6
7	Hyb19-007	DH-002/DH-004	1	1718.0 g	7
8	Hyb19-008	DH-002/DH-005	1	2100.0 g	8
9	Hyb19-009	DH-003/DH-001	1	2432.0 g	9
10	Hyb19-010	DH-003/DH-002	1	2310.0 g	10
11	Hyb19-011	DH-003/DH-004	1	2479.0 g	11
12	Hyb19-012	DH-003/DH-005	1	2627.0 g	12
13	Hyb19-013	DH-004/DH-001	1	2245.0 g	13
14	Hyb19-014	DH-004/DH-002	1	1635.0 g	14
15	Hyb19-015	DH-004/DH-003	1	2919.0 g	15
16	Hyb19-016	DH-004/DH-005	1	1568.0 g	16
17	Hyb19-017	DH-005/DH-001	1	1863.0 g	17

Select All

Hide List Builder

Close All Tabs

Build a New List

Build or revise your list by dragging in entries from the left.

List entries

Total Entries: 27Selected: 0

#	DESIGNATION	CROSS	LOTS	AVAILABLE	ENTRY_CODE
1	HM11	HK-1128 x HK1-163	1	789.0 g	1
2	EH43402	CI-4xCI-5 x KDM1-16	1	812.0 g	2
3	DH-001	-	1	474.0 g	1
4	DH-002	-	1	541.0 g	2
5	DH-003	-	1	646.0 g	3
6	DH-004	-	1	481.0 g	4
7	DH-005	-	1	586.0 g	5
8	Hyb19-001	DH-001/DH-002	1	1054.0 g	1
9	Hyb19-002	DH-001/DH-003	1	1438.0 g	2
10	Hyb19-003	DH-001/DH-004	1	1161.0 g	3
11	Hyb19-004	DH-001/DH-005	1	1473.0 g	4
12	Hyb19-005	DH-002/DH-001	1	2842.0 g	5
13	Hyb19-006	DH-002/DH-003	1	1852.0 g	6
14	Hyb19-007	DH-002/DH-004	1	1718.0 g	7
15	Hyb19-008	DH-002/DH-005	1	2100.0 g	8
16	Hyb19-009	DH-003/DH-001	1	2432.0 g	9
17	Hyb19-010	DH-003/DH-002	1	2310.0 g	1
18	Hyb19-011	DH-003/DH-004	1	2479.0 g	1

Select All

Save

Reset

The first 7 entries of the new list will serve as controls to compare the performance of the test hybrids to 2 released hybrid varieties of known performance and their 5 parental double haploid lines.

Save List

- Name and describe the performance trial germplasm list. Save to the Study 2 folder.

BREEDING ACTIVITIES

MANAGE GERMPLOSM

MANAGE STUDIES

MANAGE SAMPLES

INFORMATION MANAGEMENT

STATISTICAL ANALYSIS

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MAIZE 3

Site AdminMy Programsadmin

List Details

Hide List BuilderBuild a New List

Close All Tabs

Build or revise your list by dragging in entries from the left.

DH Lines2019 HybridsHybrid Controls

List entries

Total Entries: 20Selected: 0

1Hyb19-001

2Hyb19-002

3Hyb19-003

4Hyb19-004

5Hyb19-005

6Hyb19-006

7Hyb19-007

8Hyb19-008

9Hyb19-009

10Hyb19-010

11Hyb19-011

12Hyb19-012

13Hyb19-013

14Hyb19-014

15Hyb19-015

16Hyb19-016

17Hyb19-017

Select All

EDIT LIST HEADER

Select a folder to create a new list or select an existing list to edit and overwrite its entries.

List Location

Crop lists

Program lists

Example

Study 1

Study 2

List Details

List Name: *Performance Trial germplasm

List Owner: Fernando Rojas

Description: 20 tests and 7 checks

List Type: *GERMPLOSM LISTS

List Date: *2019-12-10

Notes:

CancelSave

List entries

Edit List Details

LOTSAVAILABLE

1789.0 g1

1812.0 g2

1474.0 g1

1541.0 g2

1646.0 g3

1481.0 g4

1586.0 g5

11054.0 g1

11438.0 g2

11161.0 g3

11473.0 g4

12842.0 g5

11852.0 g6

11718.0 g7

12100.0 g8

12432.0 g9

12310.0 g1

12479.0 g1

The list of 27 germplasm is now available from the Germplasm Directory and can be included in studies.

BREEDING ACTIVITIES

MANAGE GERMPLOSM

MANAGE STUDIES

MANAGE SAMPLES

INFORMATION MANAGEMENT

STATISTICAL ANALYSIS

PROGRAM ADMINISTRATION

MAIZE 3

Site AdminMy Programsadmin

MANAGE GERMPLOSM

View ListsView Germplasm

List Details

Browse or search for a list to work with.

Show List Builder

List entries

Total Entries: 27Selected: 0

1HM11

2EH43402

3DH-001

4DH-002

5DH-003

6DH-004

7DH-005

8Hyb19-001

9Hyb19-002

10Hyb19-003

BROWSE FOR LISTS

All Lists

NAMEOWNERDESCRIPTIONTYPE# OF ENTRIES

Crop lists

Program lists

Example

Study 1

Study 2

Performance TrialFernando Rojas20 test, 7 checksGERMPLOSM LISTS27

201911:1/DH Lines:Unspecified Loc

201911:1/DH Lines:Unspecified Loc

201911:1/DH Lines:Unspecified Loc