Crossing Manager

Quick View A Breeding Management System core functionality

Accurate pedigree information is the key to making the most out of phenotypic and genotypic data. The Crossing Manager allows you to specify planned crosses or realized crosses in a simple way, and ensure that pedigrees are tracked correctly. You can create new lists of germplasm based on crosses and save these lists to the programme database with the option to export as spread-sheet files (.xls).

	MANAGE CROSSES MAKE CROSSES	2.CREATE CROSSES	
	Select Parents Browse for a list to work with.	Parent Lists Select and drag entries from a list on the left to modify a parent list.	
Option to use predefined crosses outlined in	FingerPLines × LIST ENTRIES View List	Female Parents Male Parents	Choose male and female parents you wish to cross.
nursery file or select	Total Entries: 23		parente you men te erece.
parents from existing lists.	✓ ● DESIGNATION PARENTAGE EI ☑ 1 TVU 12802 U	✓ # DESIGNATION TRRT ✓ 1 T/U 12802 CRTN ✓ 2 T/U 7971	Version 3 features a com- pletely redesigned interface
Easily view and manage candidate list: specify names, delete selected crosses, etc.	4 58-77 U ✓ 5 Lenteja U ✓ 6 Gords U □ 7 CC45-2 U □ 8 6506502 U □ 9 Namuua U	ERT	making it easier to choose germplasm entries to use in parent lists.
	Select All	Select All	
	CROSS LIST View List Details	Exort Cross List	
	1 CPT001 TVU 12802/Lentels 1 -1348 Perm 2 CPT002 TVU 12802/Lentels 2 -1349 Perm 3 CPT003 TVU 3797/Lentels 3 -1359 Perm 4 CPT004 TVU 7971/Lentels 4 -1351 Perm 5 CPT005 Lentels/TVU 12802 5 -1352 Melt 6 CPT005 Lentels/TVU 12902 5 -1353 Melt 7 CPT007 Cerdot7VU 12802 7 -1354 Melt	SOURCE FEMALE PARENT Fold MALE Parents Topper Credit Life lie Parents: 1/Male Parents: 1 10/120/2 65.36 Lemsja 1000064 Tr lie Parents: //Male Parents: 1 10/120/2 65.36 Gends 1000005 Tr lie Parents: //Male Parents: 1 10/120/2 65.36 Gends 1000005 Tr lie Parents: //Male Parents: 1 10/17/1 15000 Gends 1000005 Tr Parents: //male Parents: 1 Lemsja 1000006 Tr/U 120/2 65.38 Tr Parents: //male Parents: 1 Lemsja 1000006 Tr/U 120/2 65.38 Tr Parents: //male Parents: 1 Lemsja 1000006 Tr/U 120/2 65.38 Tr Parents: //male Parents: 1 Gends 1000005 Tr/U 120/2 65.38 Tr Parents: //male Parents: 1 Gends 1000005 Tr/U 120/2 65.38 Tr Parents: //male Parents: 1 Gends 1000005 Tr/U 120/2 58 Tr Parents: //male	Specify a group of crossing settings and save them for
Define crossing methods,	FEMALE PARENT LIST DETAILS	MALE PARENT LIST DETAILS	future use (no need to rely on
identifiers, and add	Saved as: Program Lists > Female Parents Description: F1 cross for manual	Saved as: Program Lists > Male Parents Description: F1 cross manual	external Excel templates)
optional information about	List Type: GERMPLASM LISTS Date: 20140703	List Type: GERMPLASM LISTS Date: 20140703	
location and harvest date.	HARVEST DETAILS Harvest Location: IITA IBADAN Date: 2014	Core	Export lists of crosses as .xls files.

Description	Development phase	What's new	Related support tools
Create new lists of germplasm based on crosses and save to the project data- base	Incremental improvements	 Improved interface for selecting parent lists More options in managing candidate list Integration of seed inventory features to see stock levels and reserve seed. 	www.integratedbreeding.net/74/ training/bms-user-manual/manual- page-123 ibp@cgiar.org

The generation of new segregating populations is one of the most important steps in a breeding program. Crossing Manager provides an efficient tool to design crosses as well as initiate the pedigree records of lines derived from those crosses. —Hamer Paschal, Phd, Plant Breeding Consultant.



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