

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 spreadsheet files (.xls).

The screenshot shows the 'MANAGE CROSSES' interface with the following sections:

- Select Parents:** A list of 9 entries with checkboxes and 'U CRTI' status. Entry 5 'Lenteja' is selected.
- Parent Lists:** A section for selecting male and female parents. Two entries are shown: 'TVU 12802' and 'TVU 7971'.
- CROSS LIST:** A table with columns: #, DESIGNATION, PARENTAGE, ENTRY CODE, GID, SEED SOURCE, FEMALE PARENT, FGID, MALE PARENT, and TH. It lists 8 crosses (CPT001 to CPT008).
- FEMALE PARENT LIST DETAILS:** Shows 'Saved as: Program Lists > Female Parents', 'Description: F1 cross for manual', 'List Type: GERMPLASM LISTS', and 'Date: 20140703'.
- MALE PARENT LIST DETAILS:** Shows 'Saved as: Program Lists > Male Parents', 'Description: F1 cross manual', 'List Type: GERMPLASM LISTS', and 'Date: 20140703'.
- HARVEST DETAILS:** Shows 'Harvest Location: IITA IBADAN' and 'Date: 2014'.

Option to use predefined crosses outlined in nursery file or select parents from existing lists.

Easily view and manage candidate list: specify names, delete selected crosses, etc.

Define crossing methods, identifiers, and add optional information about location and harvest date.

Choose male and female parents you wish to cross.

Version 3 features a completely redesigned interface making it easier to choose germplasm entries to use in parent lists.

Specify a group of crossing settings and save them for future use (no need to rely on external Excel templates)

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 database	Incremental improvements	<ul style="list-style-type: none"> 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. ”