CloneSelector update

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About CloneSelector3-0

- CloneSelector is a tool developed to help plant breeders carry out field trials, analyze the results and make selection decisions.

- Design and analysis of RCBD, Augmented block and Alpha(0,1) available to date.

- G x E implementation for RCBD designs

About CloneSelector3-0

- The software is OpenSource

- Supported by International Potato Center under SASHA project

- Available for download at http://sweetpotatoknowledge.org/germplasm/research-methods/cloneselector3-0

Developments 2013/2014

- Routine for automatic import of NIR's data
- Alpha and Augmented block designs
- Installation and training in over 10 countries

Installation and Training

- Kenya
- Uganda
- Tanzania
- Ethiopia
- Rwanda
- Malawi

- Zambia
- Ghana
- Angola
- Sierra Leone
- Benin
- Nigeria

Approx. 40 new sweet potato trials entered into CloneSelector during the various trainings
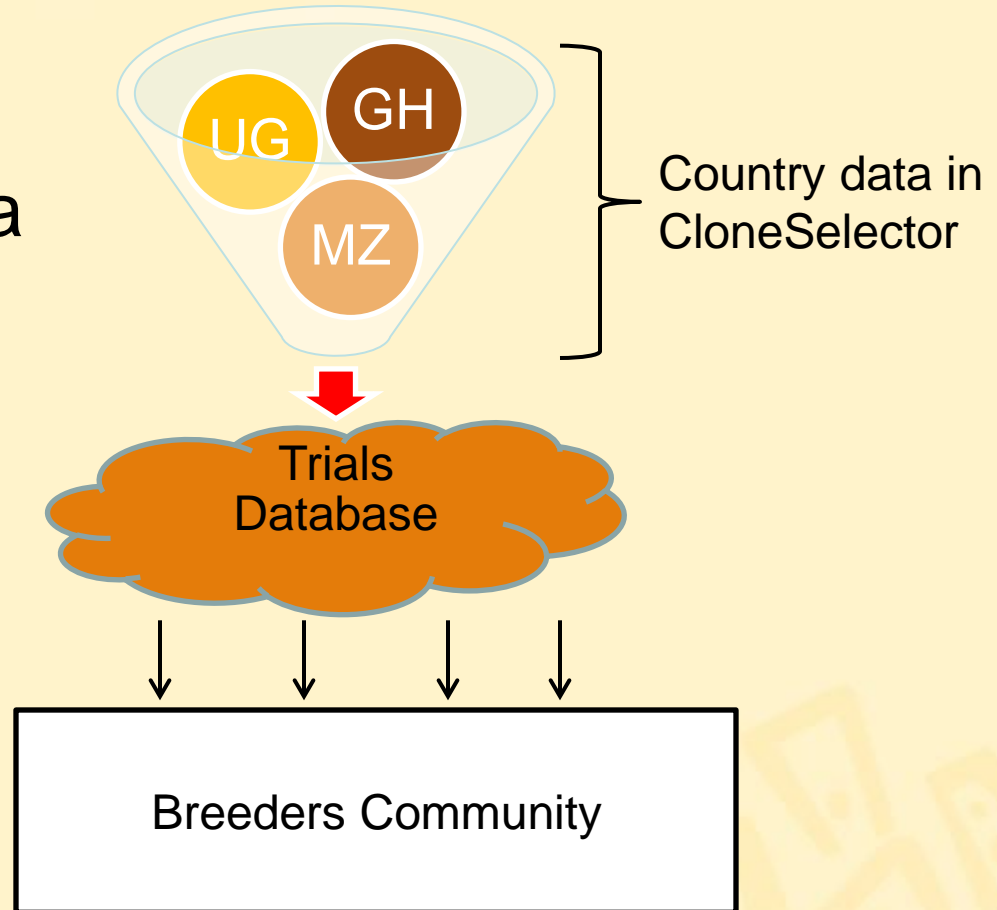
Some User Feedback

- Include some new results for RCBD analysis: genotype and error mean squares
- Inclusion of selection index for single location trials

Trials database

- Going forward, a way to share breeding data needed

- Foundation is standardized data entered into CloneSelector

Country data in CloneSelector

Trials Database

Breeders Community

Barcode label and PDA use as Breeding Aids

Multiplications + Nurseries
- Labels for plots
- ❖ Data on survival and health status
- Labels for cutting planting material (generated from CloneSelector)

Trials
- Labels for plots
- ❖ Data collection
- Multiple labels for quality lab

Hybridizations
- Labels for plants
- Labels for crosses
- ❖ Track and guide crossing
- Labels for seed packs
- ❖ Monitor seed stocks

Germplasm Clean up and Distribution
- Labels for TC and pots
- ❖ Health status tracking
- ❖ Inventory tracking
- Shipping labels

Barcode Labels and PDAs for Use at SSP-WA

Plot No: 4
Genotype: CRI-2
Vines/Plot: 34
Site name: Fumesua

Sweetpotato Support Platform – West Africa
Ghana 2013

Plot No: 3
Genotype: CRI-5
Vines/Plot: 34
Site name: Fumesua

Sweetpotato Support Platform – West Africa
Ghana 2013