MZ

ICIS at SPARC

Semiarid Prairie Agriculture Research Centre AAFC

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2 July 3

Wheat Breading

- Bread Wheats
- Durum





2 Carl

Data Comparison Tool

- Expanded:
 - provides trial description information (location, fertilizer, precipitation etc.)
 - Handles replicated data
 - Made more universal in its application for usage by the ICIS community

- Started conversion from VBA to VB.NET
 - Web-based querying





Data Templates

- Created:
 - Captures all data measured as well as the official methods and scales used
- Filled in by senior technicians in charge of organizing durum & bread wheat breeders data
- Example





2 Land

DMS

- Durum from 1995 to 2005
- Bread Wheat from 1996 to 2005



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GMS

- Constantly updating and correcting as we receive the information
- Worked out a protocol for separating private (local) pedigree information from public (central) pedigree information
- Sent public durum & bread wheat to be added to GWIS (1890-2000)



2 Parks

Coefficient of Parentage

Being used in various projects at SPARC







2 July 3

ICIS LIMS/GEMS (ICARDA)

- Evaluated
- Additional needs
 - Adding a Melting Temperature (Tm) field
 - Primer synonyms (different labs using different acronyms)
 - Source of primer
 - References on primers





2 ms

Molecular Variant Data

- Looking at storing this data in the DMS
- Considering expanding Data Comparison to include allele data with the phenotypic data
- Open to discussion







Needs of ICIS

- Restrict users from having access to specific studies in the DMS and certain pedigree information in the GMS
- Get web-based version up and running







Needs (con'd)

- More than one reference/genotype in the GMS
- Continued refining of queries to meet AAFC & ICIS community needs
- alpha or numeric choice for identification of filial generations





