

ICIS 2007 Developer's Workshop



Session 4: Current Status in the Management of Genetic Marker and Genotyping Data

Molecular Data at SPARC

Shawn Yates, SPARC



Overview

- Background
- DMS and Data Comp
- LIMS/GEMS system





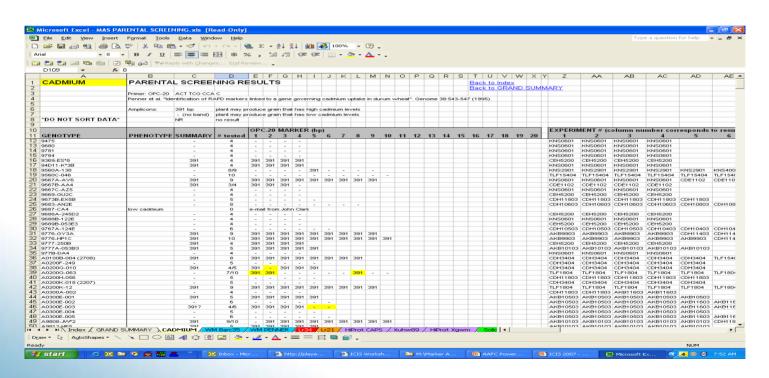
- Major push at SPARC to enter molecular data into ICIS
- 3 new projects approved (Spring Wheat, Winter Wheat, Molecular Breeding)
- Data from other projects



- Salas

DMS and DataComp Tool

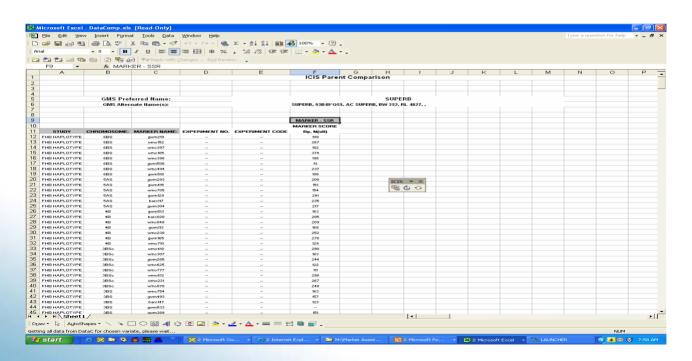
Decision to add marker data to DMS via the Workbook





DMS and DataComp Tool

 DataComp handles basic queries – needs to be expanded to handle more advanced questions





DMS and DataComp Tool

- Next steps
 - to allow for user to choose any number of lines to compare
 - to bring together the phenotypic data with the marker data
 - to include marker information from a LIMS/GEMS database, if user requires



LIMS/GEMS system

- Very important to decide on a LIMS/GEMS for SPARC: Goal is to have something in place by end of 2007
- Needs to be intuitive:
 - Lab technicians should not need to have in-depth knowledge of ICIS data schema to use
 - Queries need to be easy to understand





© Mark Parisi, Permission required for use.



LIMS/GEMS System

- System needs to be flexible
 - Can accommodate changes
 - Can be modified to fit lab practices
- Support
 - Would like to use a system developed within the ICIS community

