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Data Comparison Tool

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Data Comparison Tool

- Breeder needs at SPARC
- Queries:
 - Parent Comparison
 - Line Vs. Checks Comparison
 - Study Retriever
- Future development
- Q & A



Breeder needs at SPARC

- The wheat breeders need:
 - Collation of all types of data
 - Access to historical data
 - Ease of use
 - Intuitive queries



Parent Comparison

- Compares the study data between two prospective “parents” for a cross
- Only includes studies where both lines were included
- Allows breeder to have a quick “look see” at the study data for the lines



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Parent Comparison

- Demonstration



Line Vs. Checks Comparison

- Compares all historical study data for a line with the checks
- Allows for a more in-depth examination of the data and environment of the study
- Helpful when looking at agronomic or disease data



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Line Vs. Checks Comparison

- Demonstration



Study Retriever

- Pulls out chosen data for an entire study
- Includes all lines and checks for the study
- Useful in analysis when only a few traits are being looked at



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Study Retriever

- Demonstration



Future Development

- Work with staff at IRRI to make the Data Comparison part of the ICIS package
- Integration of molecular marker data with the phenotypic data:
 - Search database to see if a marker has been identified for a chosen trait
 - Need to link with a Genealogy Management System (GEMS) as well as Data Management System (DMS)
- Allow user to access the official methods being used in data collection/quality analysis

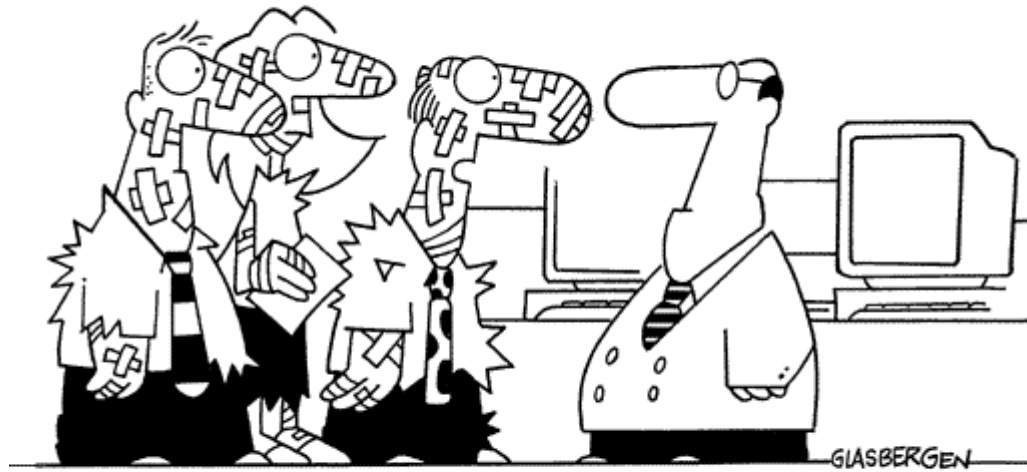


Future Development

- Parent Comparison:
 - Allow user to compare a list of lines
- Line Vs. Checks Comparison:
 - Allow for additional lines/checks to be included
- Study Retriever:
 - Allow user to search for more than one study



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**“Frankly sir, we’re tired of being
on the cutting edge of technology.”**