

### To promote the efficient marketing of U.S. cotton, domestically and internationally, by providing unbiased classification, standardization, market news, and oversight of the cotton research and promotion programs.









































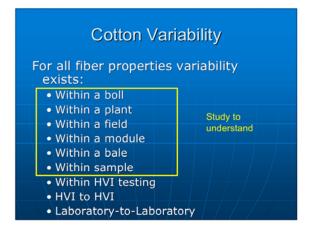








# Cotton Variability For all fiber properties variability exists: • Within a boll • Within a plant • Within a field • Within a module • Within a bale • Within sample • Within HVI testing • HVI to HVI • Laboratory-to-Laboratory



# Cotton Variability For all fiber properties variability exists: • Within a boll • Within a plant • Within a field • Within a module • Within a bale • Within sample • Within HVI testing • HVI to HVI • Laboratory-to-Laboratory



# Quality Assurance Procedures Pre-season Classer orientations In-house checks Quality Assurance Checklot Program











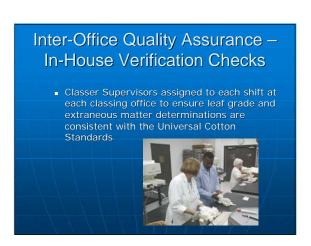




## Inter-Office Quality Assurance — Pre-season Precision and Accuracy Tests Pre-season precision and accuracy tests must be completed for all HVI systems before the system is placed in production Each instrument must pass a series of strict performance evaluations using known value cottons Pre-season checklots samples are submitted to Quality Assurance from all HVI's from each office







### Quality Assurance Checklot Program

- Approximately 1% of the entire crop is randomly selected as checklots for retest by the Quality Assurance Branch
- Checklot samples are selected at the classer station after the classification process is complete
- The classification data assigned by the HVI or classer can not be changed after the sample is selected as a checklot

### Quality Assurance Checklot Program

- Checklot samples are shipped to the Quality Assurance Branch via overnight delivery for next day classification
- All checklot samples submitted to the Quality Assurance Branch are tested on two QA HVI's and the individual QA HVI results are averaged

### Quality Assurance Checklot Program

- Checklot samples are classed for leaf grade and extraneous matter by the Quality Assurance supervisory staff
- Repeatability (reproducibility) and bias are calculated for all HVI factors, classer leaf grade and extraneous matter

### Quality Assurance Checklot Program

- Quality Assurance classification results are returned to the respective offices immediately after the QA classification is completed
- All checklot samples tested at the Quality
  Assurance Branch are tracked back to the
  Classing Office, shift of operation, classification
  date, classification time, classing supervisor,
  classer, HVI operator and HVI

### Quality Assurance Checklot Program

- Reports are generated and data are analyzed throughout the day to detect any potential problems or level shifts
- If the Quality Assurance staff detects any actual or potential problem, immediate interaction occurs with the office to ensure correction



# Market News Provide current and timely price and supply information on cotton and aid buyers and sellers in assessing market conditions and in making purchase and sale decisions







Market News on the Internet

Cotton Program Market News:

www.ams.usda.gov/cotton/mn

CS/

· Weekly Cotton Market Review

· Cotton Quality

· Cotton Prices

· Cotton Linters

· Long Staple Review

· Cotton Varieties



