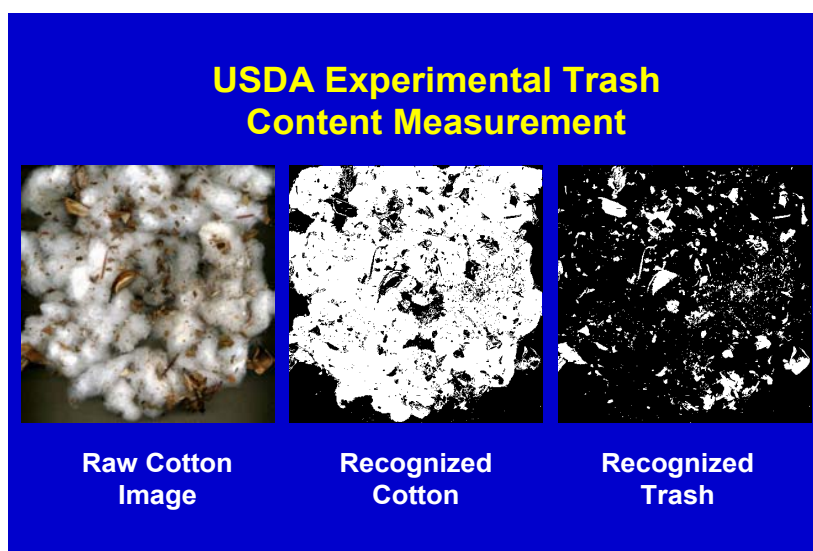


Cotton Trash Identification

USDA – ARS COTTON TECHNOLOGY TRANSFER

New technology has been developed to determine color and trash components of seed cotton and lint using image processing. “Real Time Measurement System for Seed Cotton or Lint” U.S. Patent # 6,567,538, utilizes images obtained without pressing the seed cotton against glass plates. This omission, of a standard cotton image acquisition technique, increases the opportunities for data acquisition to obtain color and trash data, from post- harvest to baling.

The multi-spectral image can be processed to determine the lint and trash ratio. The trash image can be separately processed to determine the relative amounts of sick, leaves, and burrs present in the trash. This enables individual component control of gin cleaning equipment such as incline cleaners, stick cleaners, and lint cleaners to optimize the cleaning process.



The color and trash sensing technology was developed at the USDA-ARS Cotton Production and Processing Unit, Lubbock, Texas. For additional information about this technology contact Dr. Mathew Pelletier, mpelletier@lbr.ars.usda.gov . For information about licensing this USDA -ARS technology or other cotton ginning technologies, contact Thomas D. Valco, tvalco@ars.usda.gov

For Other Cotton Ginning Technologies Visit
<http://msa.ars.usda.gov/gintech> Or Contact:

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