## NRCS Agricultural Air Quality Technology Update

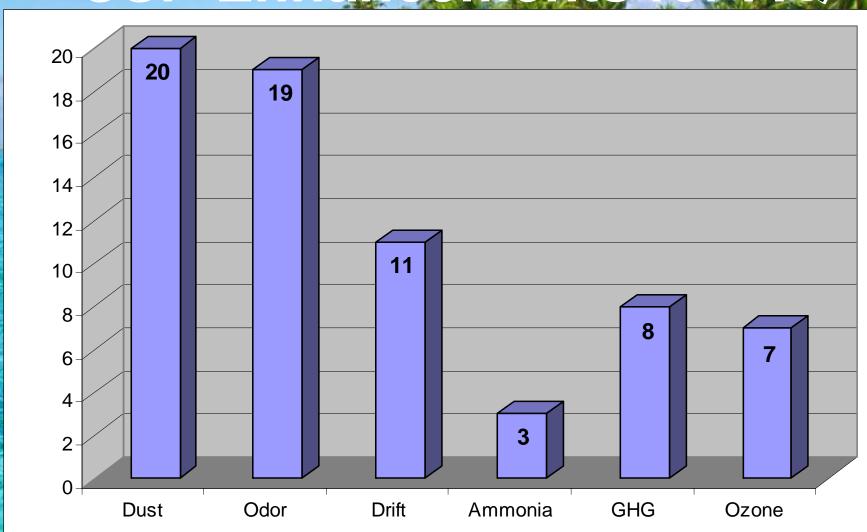
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## FY05 States with CSP Enhancements for AQ





- Contracts addressing AQ as Primary and Secondary concerns = \$31M
- Manure Management practices = \$7M
- Residue Management practices = \$4M
- Pest Management Practices = \$1.2M



- 52 National Awards = \$14.5 M
- 12 Chesapeake Bay Awards = \$4.5 M
- 64 Total National Awards = \$19 M
- 51 State Component Awards = \$2.9 M



- Addressed 5 natural resource categories
  - Atmospheric Resources (21 primary)\*
  - Water Resources
  - Soil Resources
  - Wildlife Habitat
  - Grazing Land/Forest Health
- Total of 147 proposals received from 47 states
- \* (8 additional projects that address air quality as a secondary concern)





- Announcement for FY06 RFPs will be made in November
- Atmospheric Resources will continue as a focus in FY06
- More producer-initiated proposals desired
- A new component may focus on NRCS technology gaps



- \$12.6 M awarded for Biomass Research and Development
  - 11 biomass research, development and demonstration projects were selected in the joint effort of USDA and the Department of Energy (DOE)
  - A project with the Environmental Resources Trust for nearly \$450,000 specifically targets particulate matter reductions and environmental credits





- 35 Air Quality & Atmospheric Change Work and Job Sheets developed
- Broad-based Air Quality--Guide sheets
   developed for 6 major AQ issue areas
   (Particulate Matter, Ozone, Odors, Ammonia,
   Chemical Drift, Greenhouse Gases and Carbon)
- http://www.airquality.nrcs.usda.gov/



- Partnering with CSU to develop and enhance the COMET-VR web-based carbon estimation tool
  - COMET-VR has been expanded to give carbon estimates on forest lands
  - COMET-VR will soon provide options for thousands more scenarios for users
- http://www.cometvr.colostate.edu



- Partnering with Texas A&M University researchers to analyze the potential of crop, pasture, and range land soils to sequester carbon.
  - The effort is an activity of the Consortium for Agricultural Soils Mitigation of Greenhouse Gases (CASMGS)



