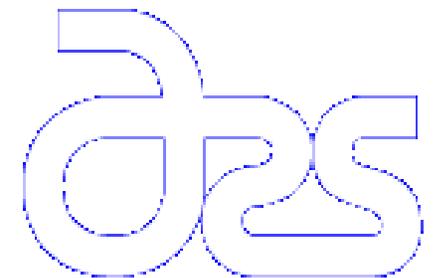




The US Department of Agriculture

Agricultural Research Service



Research Program

- Air Quality/Global Change National Program
- Hiring a National Program Leader for this program

Research Program Developments

- Nine scientists have been hired or redirected to conduct air quality research (\$2.5m)
- Beltsville, MD; Bowling Green, KY; Bushland, TX; Florence, SC; Lincoln, NE; Lubbock, TX; Marshfield, WI; Riverside, CA and University Park, PA

Research Focus of New/Redirected Scientists

- Measurement, control and prediction of gaseous and PM emissions from agricultural operations
- Measurement and control of reactive VOCs
- Development of process based emissions models

Budget

- 2006 \$1.12b; 2007 proposed \$1.00b
- Initiative for Air and Water Quality (\$1.6m total)
- Initiative for Global Climate Change (\$3.1m total)
- Six labs with some air quality research have been proposed for termination (\$1.5m related to air)

Intensive Studies around a Swine Facility









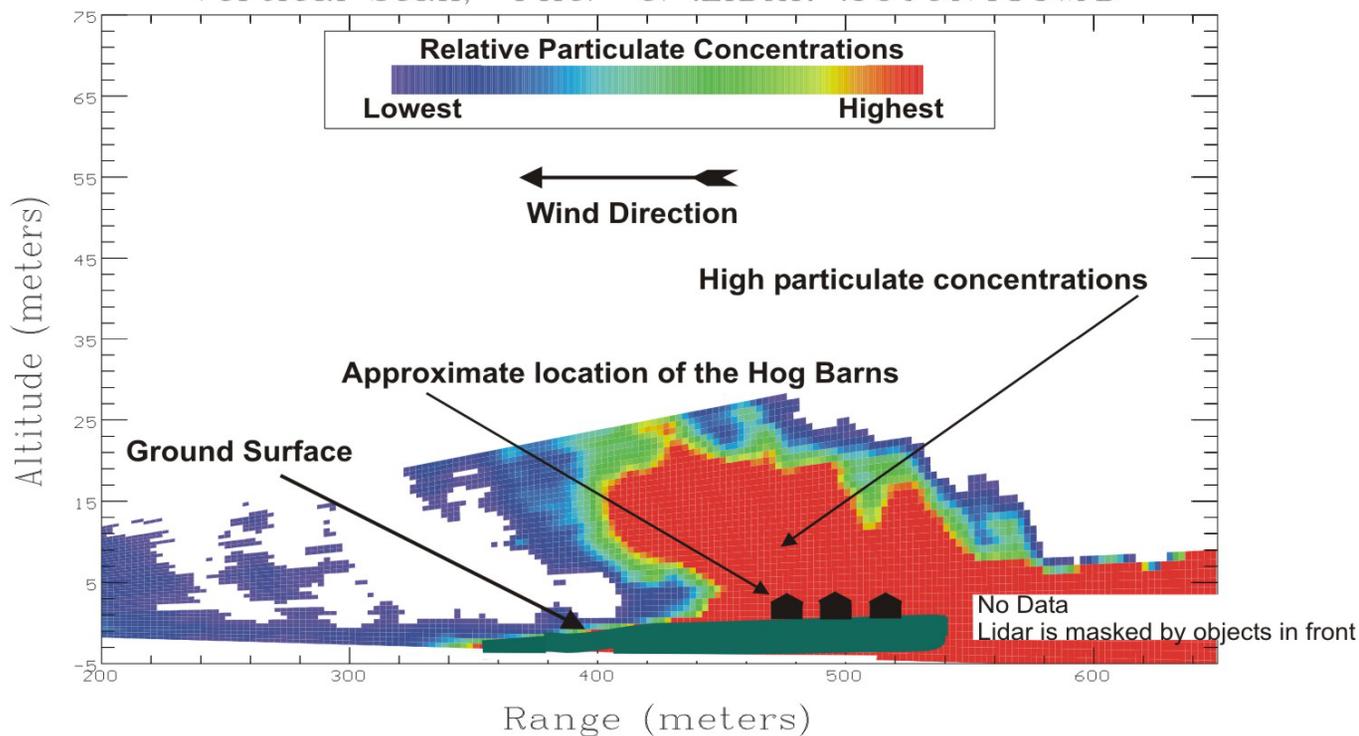
Dispersion Measurements



Dispersion using LIDAR Information

6/9/2003 13:17 Scans=1 Az: 89.00 Elev: -0.50; Pig Barn Experiment Movie

Vertical Scan; File: C:\LIDAR\09JUN489.2D



Plume Dynamics over Time

