

2010 Air Quality Initiative

Luana Kiger, Special Assistant

USDA Natural Resources Conservation Service

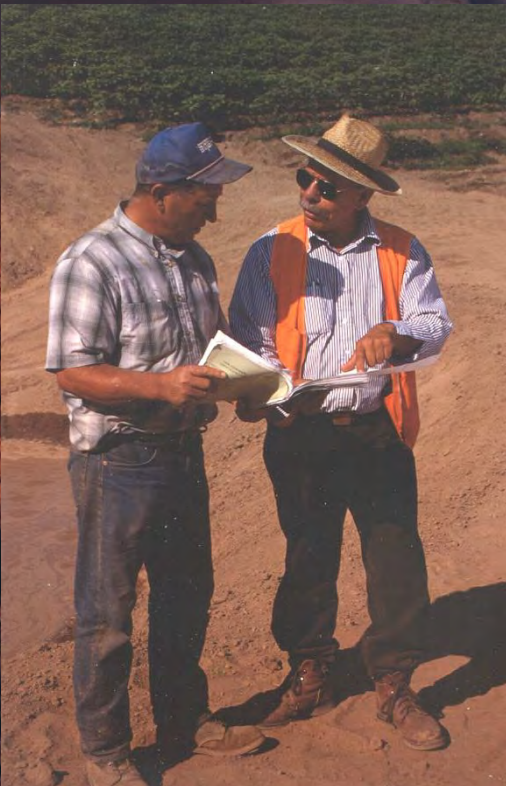
Natural Resources Conservation Service

2010 marks the 75th anniversary of NRCS

1935 Congress established the Soil Conservation Service (SCS), the agency represents the federal commitment to conserving natural resources on private lands.

NRCS has expanded to become a conservation leader for all natural resources, ensuring private lands are conserved, restored, and more resilient to environmental challenges, like climate change.

NRCS helps clients develop conservation plans that protect, conserve, and enhance the resources and meet the client's needs.



EQIP Air Quality Practices

- Conservation Tillage Residue Management
- Dust Reduction from Unpaved Roads
- Chipping orchards, vineyards, and pruning
- Precision Pest Control Application
- Integrated Pest Management
- Treated Wood Stake Disposal
- Manure Injection
- Combustion Systems



Air Quality ...as of August 23, 2010

- Irrigation Engines
 - 2010: 76 contracts, \$1,097,000 obligated
 - 2009: 48 contracts,
 - \$578,500 obligated
- PM
 - 2010: 102 contracts, \$1,414,713
 - 2009: 178 contracts, \$2,553,779
- VOC
 - 2010: 16 contracts, \$349,323
 - 2009: 23 contracts, \$383,830



CIG (b) ...as of August 23, 2010:

- 809 engine contracts, \$42,656,664.92 obligated
 - 2010: 469 Contracts
\$24,005,309.50
130 (28%) are complete
 - 2009: 340 Contracts
\$18,651,355.42
228 (67%) are complete



- Estimated annual reductions:
1,200 tons NOx | 170 tons ROG | 40 tons PM10

CIG (b) Counties

2009 – 23 counties

1890 applications received

Funded 339 contracts for \$18,596,487 for 66,300 acres

18% funded

2010 – 24 counties

2188 applications received

Funded 469 contracts for \$24,074,460 on 83,488 acres

21% funded

<http://www.ca.nrcs.usda.gov/programs/eqip/2010/index.html>

CIG (b) Screening

- High Priority:
 - Pre-1980 model year engine (Tier 0)
 - 1980 or later Tier 0 or Tier 1 and ≥ 1 ton NO_x
 - Two or more for one, or
 - Electric motors
- Medium Priority:
 - 1980 or later Tier 0 or Tier 1 and < 1 ton NO_x, or
 - Compliance with rule or regulation
- Low Priority:
 - Replacing Tier 2 or engines operating other fuel types

CIG (b) Ranking

- National (25% of score)
- State (50% of score)
 - Total NOx emission reductions (tons/year)
 - Percent NOx reductions
 - ROG emission reductions (tons/year)
 - PM emission reductions (tons/year)
 - NAAQS designated areas
- Local (25% of score) *Template*
 - Two for one | % PM10 reductions | Surplus emissions
 - Proximity to sensitive receptors | Other criteria

Agricultural Air Quality Task Force

The Agricultural Air Quality Task Force has been created in accordance with Section 391 of the Federal Agriculture Improvement and Reform (FAIR) Act of 1996

The Chief of the Natural Resources Conservation Service (NRCS), an agency of the United States Department of Agriculture, to establish a task force to address agricultural air quality issues.