



Overview of CDFA's Nitrate Management Training for Certified Crop Advisors (CCAs) and Growers

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Certifying Nitrogen Management Plans

From Central Valley Irrigated Lands Waste Discharge Requirements

Required for fields located in high vulnerability groundwater areas

Plans may be certified by:

- Certified Crop Adviser with Nitrogen Management Training
Any crop and any field
- Grower Self-Certification
Owned or managed fields only
- Member with Site-specific recommendation from NRCS and UCCE
- Alternative Manner Approved by Executive Officer

Nitrogen Management Training for CCAs

- A collaboration between:

FREP/CDFA

University of California Division of Agriculture and Natural Resources (UC ANR)

California Association of Pest Control Advisers (CAPCA)

- 9 sessions across California:

2014: 5 Sessions, 530 CCAs trained

2015: 3 Sessions, 260 CCAs trained

2016: 1 Sessions, 100 CCAs trained

Total: ~890

1.5-day workshop focused on:

Day 1:

California's N Management Regulations

N Cycle in Agriculture

N Fertilizer Sources

Irrigation and N Management

N Budgeting

Tools and Resources

Day 2:

N Planning Practices specific to:

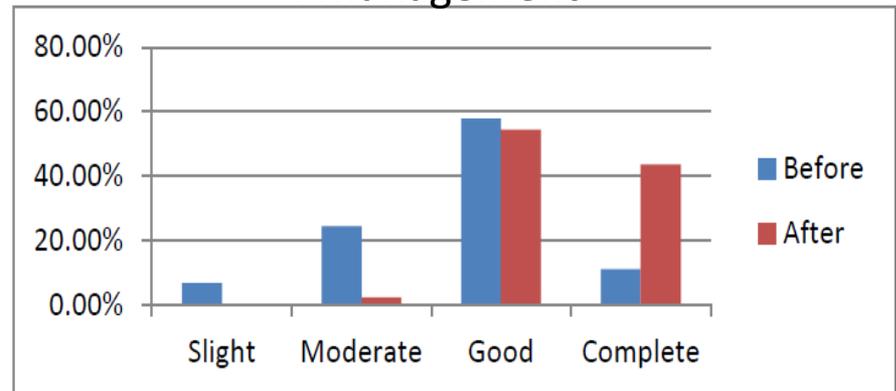
1. Annuals

2. Perennials

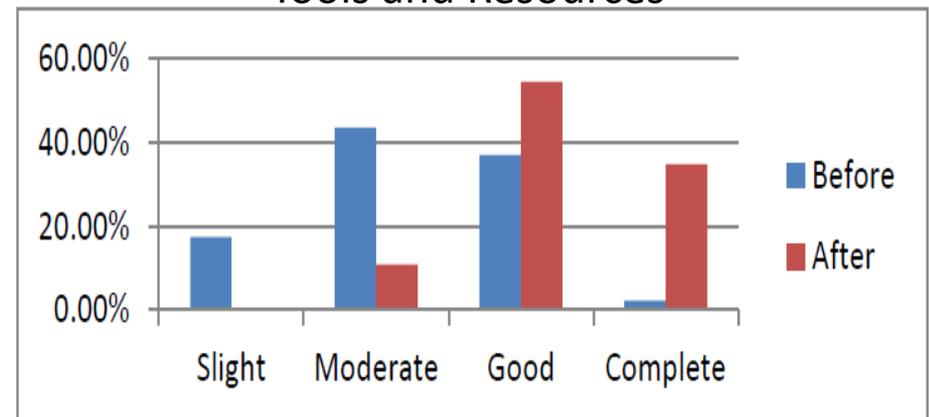
Nitrogen Management Training for CCAs

CCAs self-evaluation

N Management



Tools and Resources



Nitrogen Management Training for Growers

- **Grower self-certification:**

- Curriculum development:

- Condensed form of CCA training

- FREP funded project with UC Davis in collaboration with FREP staff, completed September 2015



0.5-day workshop

Topics:

- N and Groundwater Quality Issues
- N Cycle in Crop Production Systems
- Nitrogen Fertilizers
- Irrigation and Nitrogen Management
- Farm Practices and Nitrogen use Efficiency
- Nitrogen Management Plan
- Tools and Resources

Grower Self-Certification

- Requirements:
 - Nitrogen Management Training – 4 hours
 - Passing grade (70%) on test*
- Certification Period:
 - 3 years
- Re-certification
 - Continuing education– 3 hours in 3 years.

* Test can be taken multiple times

Nitrogen Management Training for Growers

- **Grower self-certification:**
 - Curriculum development:
 - Train-the-trainer module:
FREP funded project with Coalition for Urban/Rural Environmental Stewardship (CURES), some 28 CCAs were recruited and trained in October 2015.
 - Grower training sessions:
Started in November 2015, in various locations across multiple coalitions areas, 22 sessions have been completed, ~10 scheduled through May 2016



Category	Stat
Exams graded (through 2/11/16)	1060
Grower training meetings held to date	22
Future training meetings scheduled	10
Scheduled CCA trainers	19
Total eligible CCA trainers	28
Total pass rate	81%
Average exam score	79%