

Nitrogen Fertilizer Management CIG

C-AGG | November 2015



2015 CIG- Project Partners

- “ Almond Board of California
- “ American Carbon Registry
- “ Applied Geosolutions
- “ Carbon Credit Solutions
- “ Climate Action Reserve
- “ Coalition on Agricultural Greenhouse Gases
- “ Delta Institute
- “ K.Coe Isom
- “ United Suppliers
- “ UC Davis
- “ Viresco Solutions



2015 CIG- Goals

Infrastructure

reduce barriers for growers to participate in environmental markets (voluntary and CA compliance carbon markets) by refining and improving existing nitrogen fertilizer management protocols and quantification tools

Implementation

create a large-scale nitrogen fertilizer management project and increase access to environmental market incentives for U.S. corn farmers and almond growers to quantify co-benefits associated with an increase soil health from optimizing nitrogen application, and reducing losses to air and water

2015 CIG- Infrastructure Enhancements

- “ Develop or improve market infrastructure which streamlines data collection, management and processing
- “ Assessment of N₂O and nitrate leaching connection
- “ Updated voluntary and/or ARB compliance protocol(s)



2015 CIG- Pilot Project Demonstration

- “ 3-year pilot project: reduce emissions by 25,000 tons CO₂e
- “ 30 pilot participants or 75,000 acres implementing nitrogen optimization practices
- “ Summarized input collected from 300,000 target acres through outreach or workshops





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