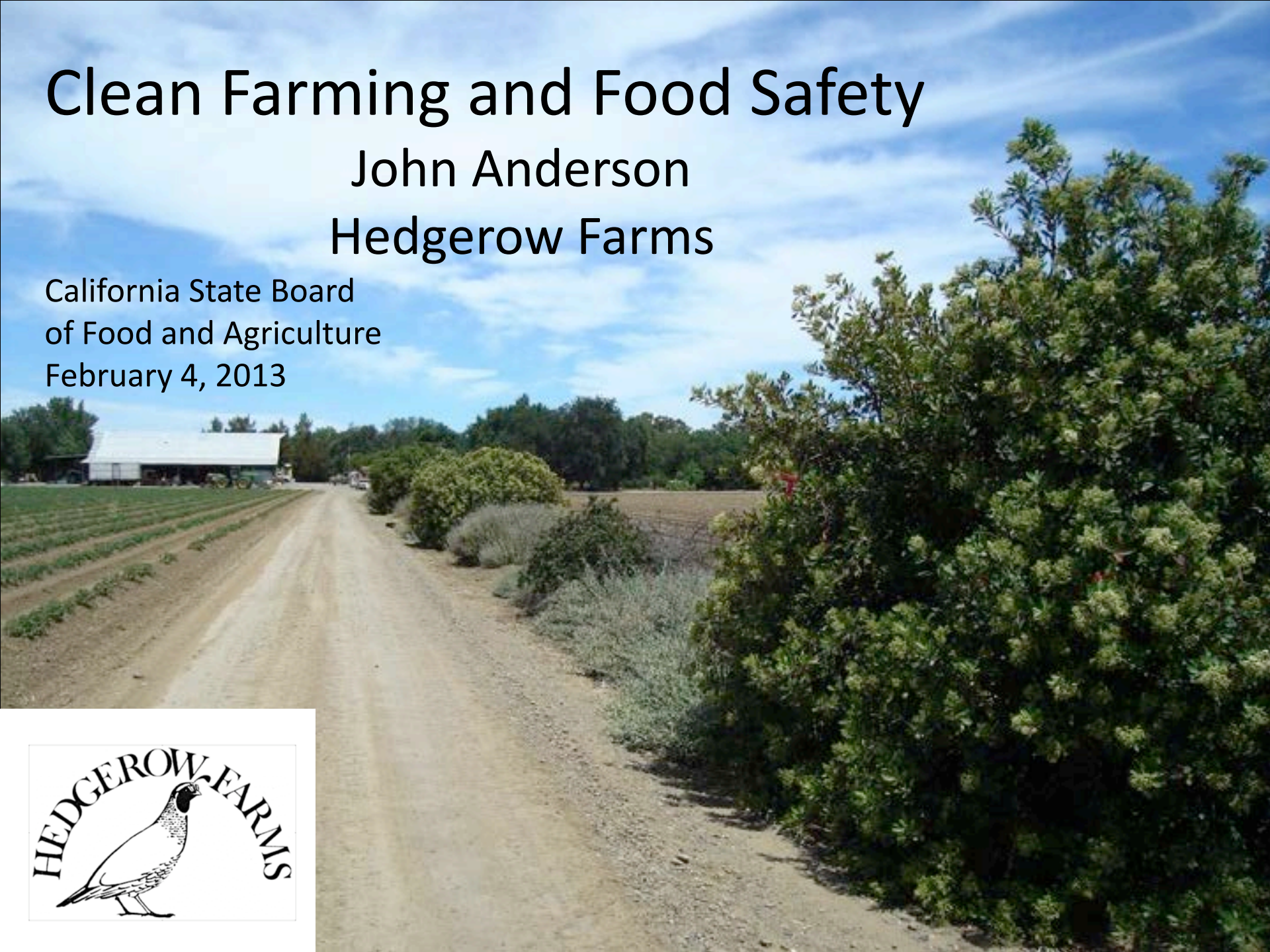
Clean Farming and Food Safety

John Anderson
Hedgerow Farms

California State Board
of Food and Agriculture
February 4, 2013



Outline

- Intensive farming overview. “Clean Farming”

- Overview of the conservation practices that have been implemented to enhance biodiversity and sustainability to the intensive agricultural landscape.

- Introduction to the pollinator enhancement programs now being promoted and implemented.

Weeds

HEDGEROW FARMS
Office • Pick-Up • Delivery

May

Almond Orchard and
Tail Water Pond

Almond Orchard and
A Sprayed Border

Almond Orchard and Vegetated Swale

Wildlife Frequently Observed

- Quail
- Cotton tail rabbits
- Ground Squirrels
- Reptiles
- Many bird species
- Beneficial Insects

Almond Board of California
Pasteurization Program

- Propylene Oxide (PPO) treatment
- Oil Roasting, Dry Roasting, and Blanching
- Steam Processing

This is mandatory program adopted in 2007 for all almonds being sold to consumers in North America.

Walnuts with hedgerow corridor

Kimiora Ward
Monitoring Insects

Katharina Ullmann
Sampling Insects

Parasitic Wasps

Need Pollen & Nectar to Survive & Reproduce

Green Lacewings

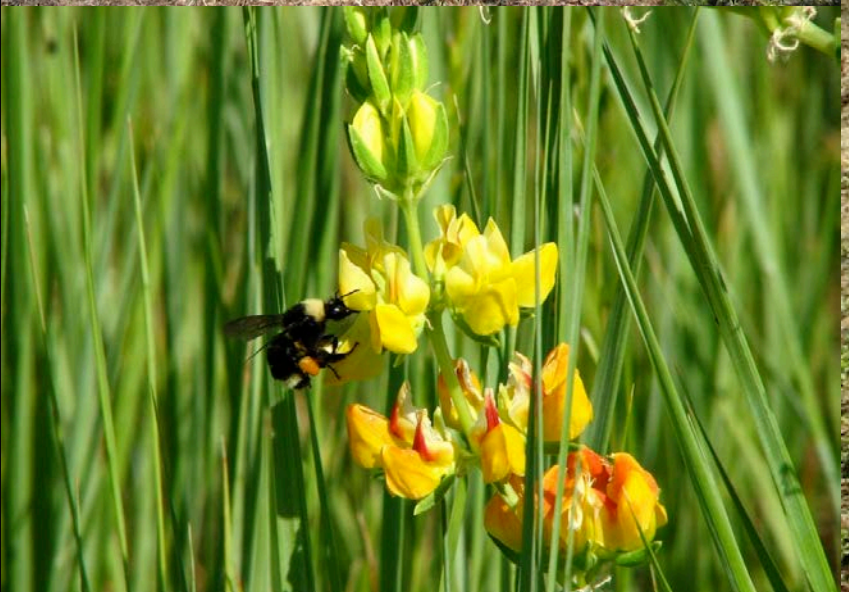
Hoverflies

Impact of Hedgerows on Farms

- Enhancement of beneficial insect activity (pollinators and natural enemies).
- Serve as replacement vegetation for weedy areas that host pests and diseases.
- Export beneficial insects into adjacent crops (natural enemies and bees).
- Enhance pest control and pollination in adjacent crops.

Rachael Long
Farm Advisor/ County Director
UC Cooperative Extension

4/16/2010



5/4/2010

HEDGEROW FARMS

STOP

Establishing Hedgerows on Farms in California

Rachael F. Long
John H. Anderson

http://anrcatalog.ucdavis.edu
Search: Hedgerows

Collaborating Partners

Xerces Society
UC Davis
UC Berkeley
UC Cooperative Extension
NRCS
Resource Conservation Districts
Audubon California
Center for Land Based Learning
Hedgerow Farms
Rominger Bros. Farms

California Native Grasslands Association

The California Native Grasslands Association presents:

Sixth Annual Field Day at Hedgerow Farms

Friday, April 19th, 2013 ‖ 8:45 am–4:30 pm (check-in 8 am)

21905 County Road 88, Winters

Online Registration is open NOW at www.cnga.org

Fees: $65/CNGA members, $80/Non-members, $40/Students w ID

Please "Save the Date" for our 6th Annual Field Day at Hedgerow Farms, April 19th.

- Receive hands-on field ID instruction on dozens of native grassland species;
- Enjoy expert-led tours of restoration sites that demonstrate the functionality of native species along roadsides, hedgerows, canal banks, and landscape designs;
- Network with a diverse group of grassland restoration practitioners & enthusiasts.

HEDGEROW FARMS