Program

8:00-8:30: Registration & Light Breakfast

8:30-8:45: Welcome (Ballroom)

8:45-9:45: Hearing from Farmers about Climate Change (Ballroom)
Jim Goodman, Northwood Farm, Wisconsin
Al Courchesne, Frog Hollow Farm, Brentwood
Judith Redmond, Full Belly Farm, Guinda

9:45-10:30: State of the State on Agriculture & Climate Policy (Ballroom)
Ashley Conrad-Saydah, Assistant Secretary for Climate Policy, California Environmental Protection Agency
Jeanne Merrill, CalCAN Policy Director

10:30-11:00: Break & Poster Session

11:00-12:30: Workshop Session A:

Making the Climate Case for Farmland Protection
Learn about how greenhouse gas emissions on agricultural land compare to urbanized land, and how this strengthens the climate change case for protecting California farm and rangeland as well as in-fill growth of cities. Speakers will discuss the status of farmland conservation in California and new threats, opportunities and challenges in protecting this unique resource.

Location: Alumni Center AGR Room
Moderator: Dave Runsten, Community Alliance with Family Farmers
Speakers: Ken Alex, Office of Planning and Research
Kathryn Lyddan, Brentwood Agricultural Land Trust
Louise Jackson, UC Davis

Many thanks to the UC Davis Agricultural Sustainability Institute, our host at UC Davis

Wireless:
Login: renata@calclimateag.org
Password: wandajune1
11:00-12:30 Workshop Session A Continued:

**Soil Building for Carbon & Water Storage**
Sustainable and organic agriculture techniques for managing on-farm nutrients and increasing organic matter in soils can not only reduce greenhouse gas emissions but also store carbon in soils, retain and thereby conserve water and increase fertility. In this session, you will hear how these multiple benefits are inter-related and what practices are most effective for climate-friendly nutrient management.
Location: Conference Room B
Moderator: Wendy Rash, USDA Natural Resources Conservation Service
Speakers: Al Courschesne, Frog Hollow Farm
Mark Van Horn, UC Davis Student Farm
Jocelyn Getz, Rio Farms

**Rangeland Management as a Climate Protection Strategy**
California rangelands cover half the land mass of the state, and show promise when properly managed to increase soil carbon sequestration while also increasing water retention, reducing soil erosion, increasing forage quality and enhancing wildlife habitat and native grasses. You will hear from speakers about promising rangeland management practices with potential for helping prepare ranches for climate change impacts and for providing climate solutions.
Location: Conference Room A
Moderator: Pelayo Alvarez, California Rangeland Conservation Coalition
Speakers: Marcia DeLonge, UC Berkeley
Mel Thompson, Sierra Farms Lamb
Valerie Eviner, UC Davis

**Climate & Agriculture: The Science & Policy Basics**
You will hear an overview of the latest in the science of climate change impacts on California agriculture and the development of state policy to address these issues and maintain a vibrant, sustainable California food and farming system. Speakers will cover climate trends and their agricultural impacts, AB 32 and the California cap-and-trade program, and other related initiatives to support California farmers in responding to climate change.
Location: Ballroom
Moderator: Jeanne Merrill, CalCAN
Speakers: Alan Flint, US Geological Service
Ryan McCarthy, Science and Technology Advisor, California Air Resources Board
Jeanne Merrill, CalCAN

12:30-1:15 Lunch

1:15-1:45 Leadership Award Presentations (Ballroom)
2:00- 3:30 Workshop Session B:

State Policy in Action
State policy and programs are evolving to address climate change and agriculture issues. You will learn about Department of Conservation programs, state climate change adaptation efforts and agricultural water stewardship policy issues.
Location: Ballroom
Moderator: Katy Mamen, Ag Innovations Network
Speakers: Jennifer Morales, California Department of Water Resources
        John Lowrie, Department of Conservation
        Amrith Gunasekara, California Department of Food and Agriculture

Water Stewardship
Climate change will continue to exacerbate California’s chronic issues with water scarcity. This session will focus on water conservation and storage solutions at the farm-scale level, including soil-building measures to increase water-holding capacity, catchment systems, keyline design, water use monitoring, water recycling and other practical tools.
Location: Conference Room A
Moderator: Ken Dickerson, Ecological Farming Association
Speakers: Kelli Camara, Santa Cruz Resource Conservation District
        Doniga Markegard, Markegard Family Grassfed
        Tim Thornhill, Parducci Wine Cellars

Nitrogen, Agriculture & Climate
A 2012 report to the state legislature by UC Davis finds that nitrate leaching from agriculture is contaminating drinking water in some Central Valley and Salinas Valley communities. Nitrogen inputs from farming can also increase greenhouse gas emissions. In this session, you will get an update on the latest science on agricultural practices that minimize the impacts of nitrogen inputs.
Location: Alumni Center AGR Room
Moderator: Jenny Lester-Moffitt, Dixon Ridge Farms
Speakers: David Smart, UC Davis
        Martin Burger, UC Davis
        William Horwath, UC Davis

The Science of Soil
As awareness grows about the importance of soil organic matter for crop productivity, water retention and carbon sequestration, it is also clear that these are complex systems and that greater understanding of carbon and nutrient cycling is needed. This session will cover some soil science basics and farming practices that can improve soil quality.
Location: Conference Room B
Moderator: Kellyx Nelson, San Mateo Resource Conservation District
Speakers: Kate Scow, UC Davis
        Richard King, Natural Resources Conservation Service (retired)
        Jeff Creque, McEvoy Ranch
3:45-5:00 Workshop Session C:

Farm Bill Update
You will get an update on the status of the Farm Bill with an emphasis on the conservation, energy and organic agriculture programs.
Location: Alumni Center AGR Room
Moderator: Brise Tencer, California Certified Organic Farmers
Speakers: Alan Forkey, Natural Resources Conservation Service
Brise Tencer, California Certified Organic Farmers

Biodiversity: Developing On-farm Resilience to Climate Change
Increasing biodiversity on cropland may be one of the most important things growers can do to buffer against increasing weather extremes, shifting pest and disease patterns, water scarcity and unpredictable drought and flood cycles. Speakers will provide practical information on various techniques and resources for biodiversity enhancement.
Location: Ballroom
Moderator: Jo Ann Baumgartner, Wild Farm Alliance
Speakers: Ann Thrupp, Fetzer/Bonterra
John Anderson, Hedgerow Farms
Judith Redmond, Full Belly Farm

Organic Farming: Climate Change Tools
Though more California-specific research is needed, there are strong indications that organic farming systems offer multiple climate benefits, including building soil organic matter and enhancing the resilience of farm systems to weather the impacts of climate change. This session will give you an overview of the current science.
Location: Conference Room B
Moderator: Cathy Calfo, California Certified Organic Farmers
Speakers: Alex Gershenson, San Jose State University
Craig Cogger, WSU Puyallup Research & Extension Center

Saving Money & Power
Most farms and ranches can do more to become energy efficient and sometimes even generate renewable energy. In this session, you will learn about the energy efficiency programs of PG&E, and from a farmer using innovative practices to reduce energy use and grow green energy.
Location: Conference Room A
Moderator: John Garn, Viewcraft
Speakers: Dean Kirsch, PG&E Ag Services Program
Russ Lester, Dixon Ridge Farms

5:15-6:30 Wine & Cheese Reception (Alumni Center AGR Room)