Sample Questions

Have you ever wondered what other farmers are doing to manage winter cover crops in time to get their spring crops planted?

Do you want to know what the latest research has to say about different irrigation methods and how they can help to reduce soil emissions of nitrous oxide – a powerful greenhouse gas?

Solution Center for Nutrient Management

Provide farmers and outreach professionals with information resources and decision tools to help improve nutrient management practices

› To minimize negative environmental impacts (relating to climate change and others)
› To meet regulatory requirements
› To maintain or increase farm profitability

The Need

Environmental pollutants from agricultural nutrients

› New regulations
  - Dairy General Order
  - Irrigated Lands Regulatory Program

Lack of comprehensive info resources

Growers' expressed desire for better organized web resources
Searchable Database

**Searchable Database** on management practices that relate to nutrient management; focus on multi-factor decision making and tradeoffs

- Crop
- Farm characteristics
- Management practice
- Environmental implications
- Nitrogen emissions
- Yield/Quality
- Tillage
- Irrigation
- Soil leaching
- Manure handling
- Fertilization
- Water/Energy Use
- N-Use efficiency
- Food Safety

**Portal to current information on nutrient management**

- UC Fruit and Nut Research Information Center
- UC Vegetable Research and Information Center
- CDFA Fertilizer Research and Education Program (FREP) Crop Fertilization Guidelines
- Online decision tools, e.g. CropManage

**The Need**

- Decreased Cooperative Extension capacity for one-on-one contact
  - 40% decrease in staff in last 2 decades

**Virtual Field Days & Office Hours**

We're working with FarmsReach to create an online discussion forum to:

- Host short term, **focused discussions** to help growers improve practices through advice from fellow farmers, UC experts, and consultants
- Provide an outreach avenue for UC researchers to share findings with ag community
- Create a searchable archive of information from forum topics, reveal important research gaps

Participate in our first Virtual Field Day this fall at Farmsreach.com
Farmer Profiles: Case studies of experienced nutrient managers

Interactive map of on-the-ground learning sites:
- UC Research and Extension Centers
- Russell Ranch
- Educational farms

We want your feedback and your input!

ucanr.edu/sites/nutrient_management_solutions