

# *Arkansas Valley Research Center*

**Rocky Ford**



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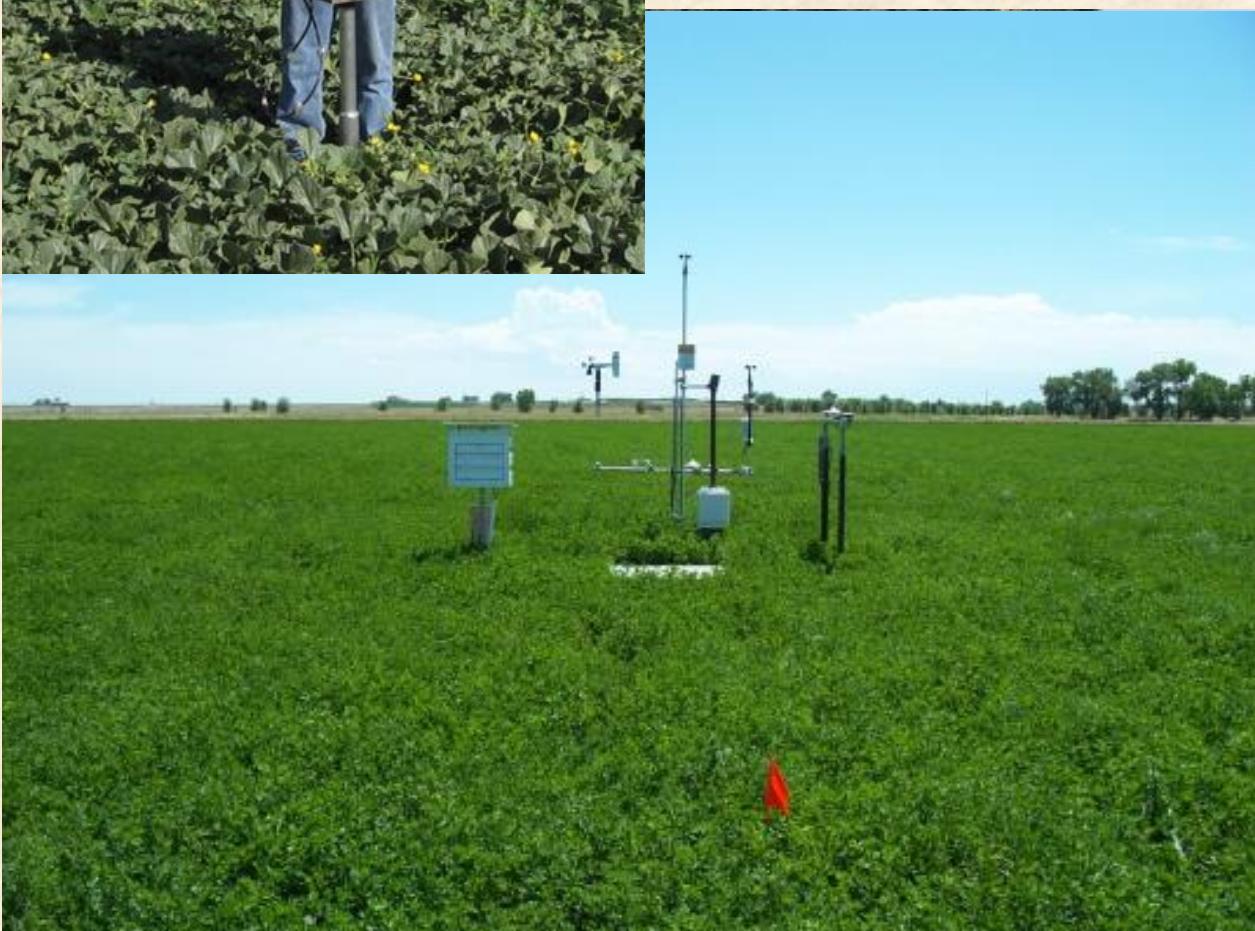
# Kevin Tanabe

18 years



# Lane Simmons

## 10 years





Troy Lewis  
2 years



LONGHORN  
FOOTBALL  
LIVES HERE!

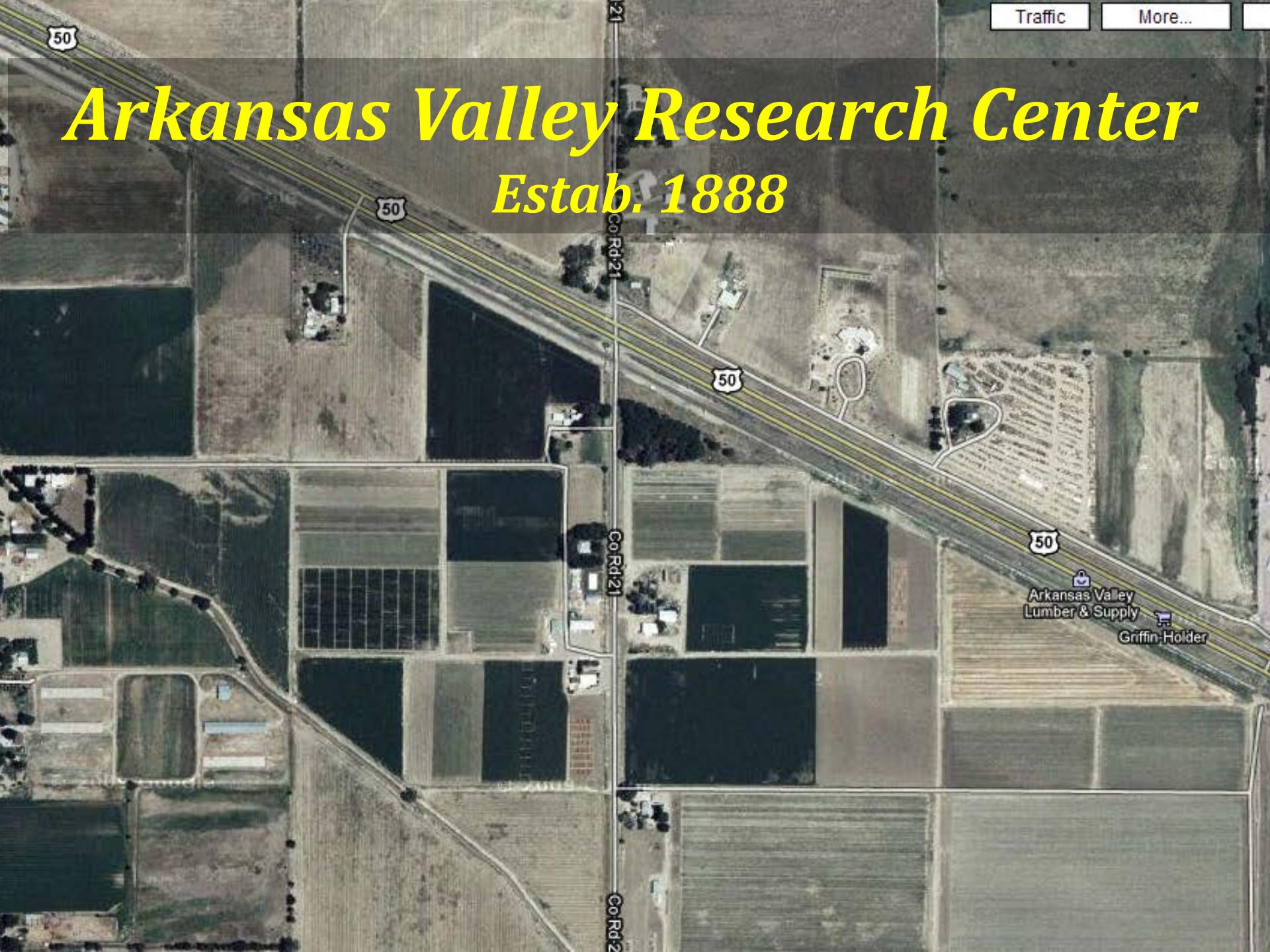
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 Traffic

More...

# Arkansas Valley Research Center

Estab. 1888



# Advisory Board and Other Activities





## Membership

CFVGA is a dynamic organization striving to serve the industry and meet the needs of our members all across the state. Growers of all sizes are invited to join. In addition, we encourage suppliers, consumers, and anyone else who supports the fruit and vegetable industry in Colorado to join the CFVGA.

[Learn More](#)

Colorado Fruit and Vegetable Growers Association  
helps our farmers provide a wide range of nutritious produce to Colorado and other states



Become a member today!

Join online

[Get Started ▶](#)

Download and print form

[Get Started ▶](#)

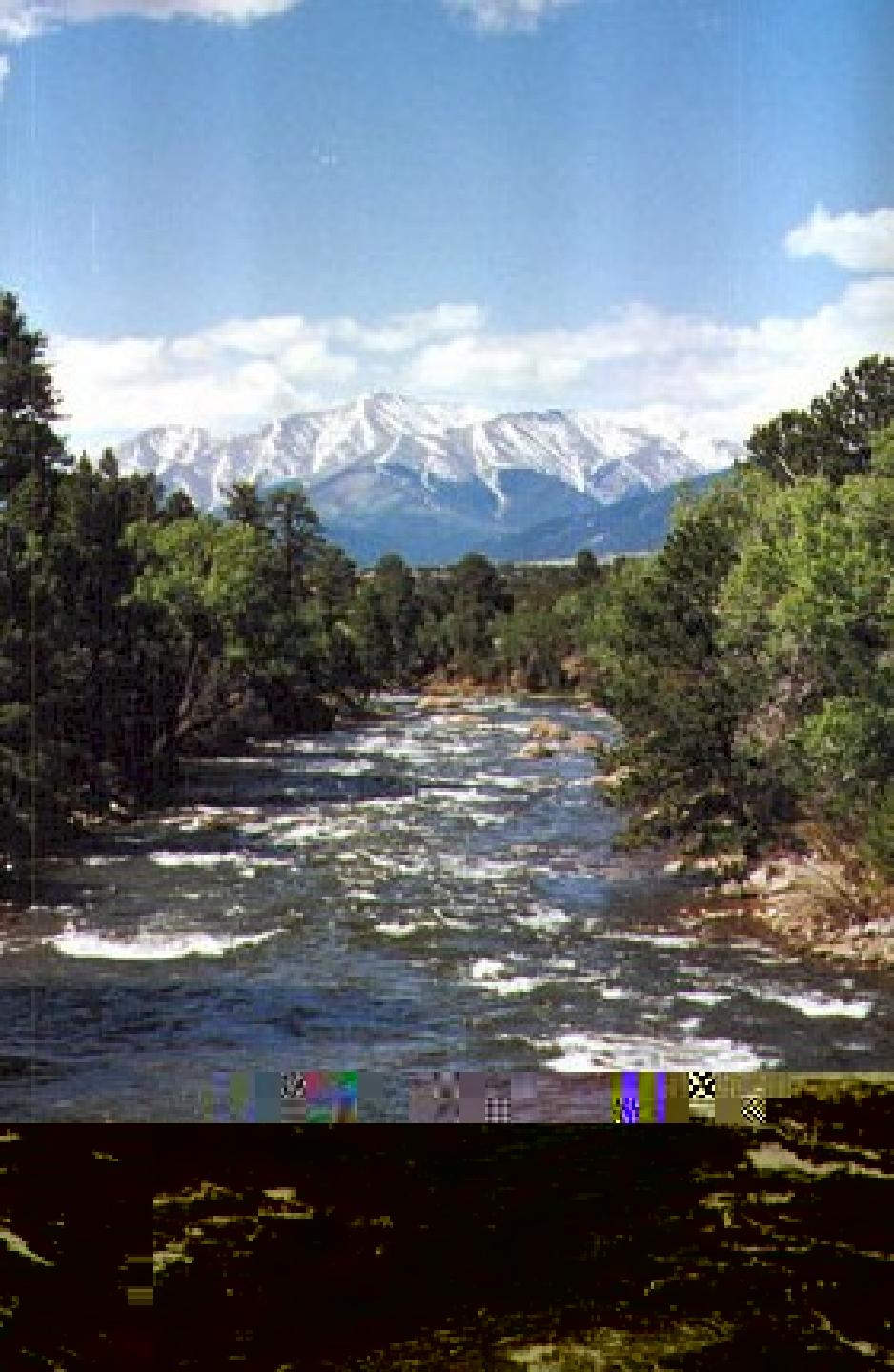
Already a member?

[Sign in now!](#)

Membership directory

[View Now](#)

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# Water *Management*



# Alfalfa

1. CSU Sponsored Variety Trial – Final Year
2. Forage Genetics Standard Variety Trial – Final Year
3. Forage Genetics Salinity Screening Trial - Final Year
4. Forage Genetics Salinity vs Conventional Trial- Year 2
5. Legacy Seeds Variety Trial - Year 1
6. Forage Genetics Salinity Trial with Harvest Extra Trait-  
Started Fall 2016

**Kevin Tanabe**

# CORN VARIETY TRIAL



# Winter Wheat Variety Trial



# Forage Sorghum Trial



Colorado State University

Crops  
Testing





# Grass Seed Variety Trial

- 
1. Tall Fescue- (2)
  2. Fine Fescue (2)
  3. Wheat grass (3)
  4. Kentucky Bluegrass (2)
  5. Indiangrass
  6. Little Bluestem
  7. Blue Gramma

# **Onion Trials**

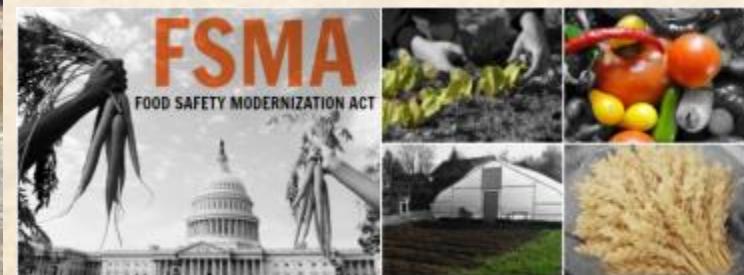
- 1. Variety Trial**
- 2. Thrips Insecticide Trial**
- 3. E. coli Irrigation Water/ Food**
- 4. Agrimend Soil Amendment Trial**
- 5. Selenium Uptake and Fertilizer**
- 6. Variety Screening for Bioactive Compounds**
- 7. Water Consumptive Use**

# Onion Variety Trial





# Water Quality and Food Safety





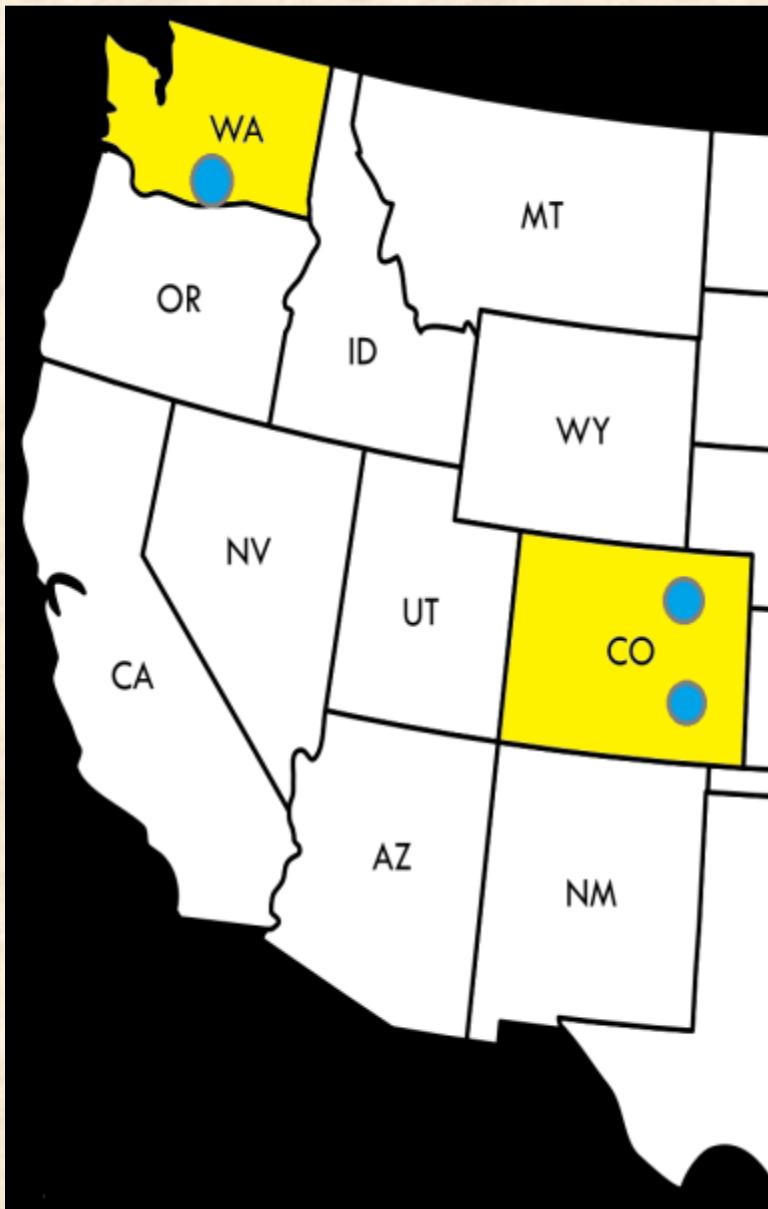
# Effect of variety and production environment on the chemical composition of western long day onions and potential for cancer prevention

Michael E. Bartolo, Adam L. Heuberger, Jacqueline M. Chaparro, Shawna B. Matthews, Henry J. Thompson, Thaddeus Gourd, Timothy Waters, Carrie Wohleb



## OBJECTIVE 2

### Test Site Locations



Vaquero  
Delgado  
Granero  
Redwing  
Colorado 6  
Swale  
Morpheus  
Cometa

**Rocky Ford**

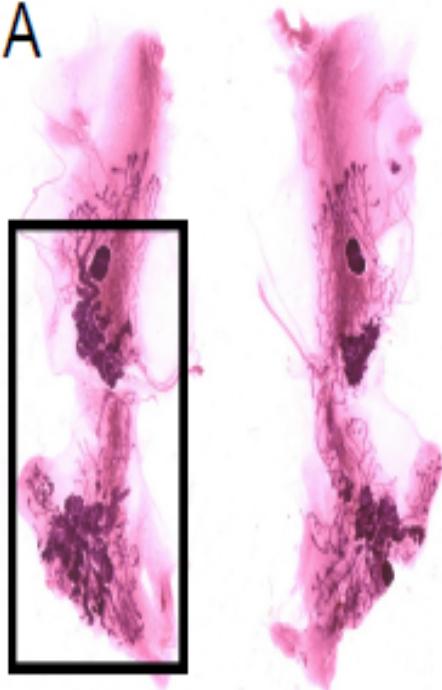
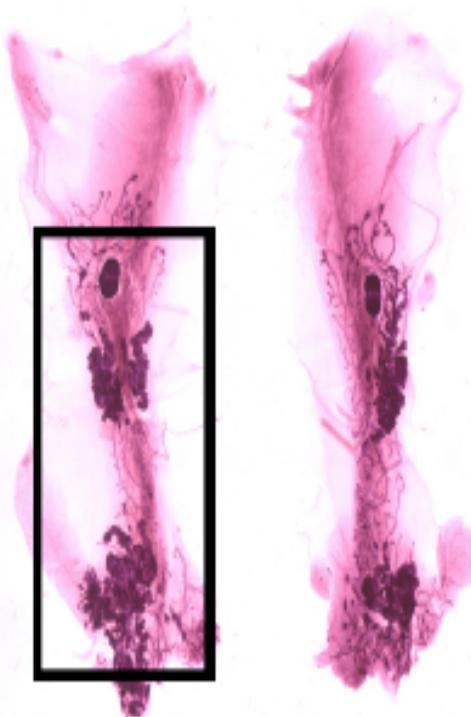
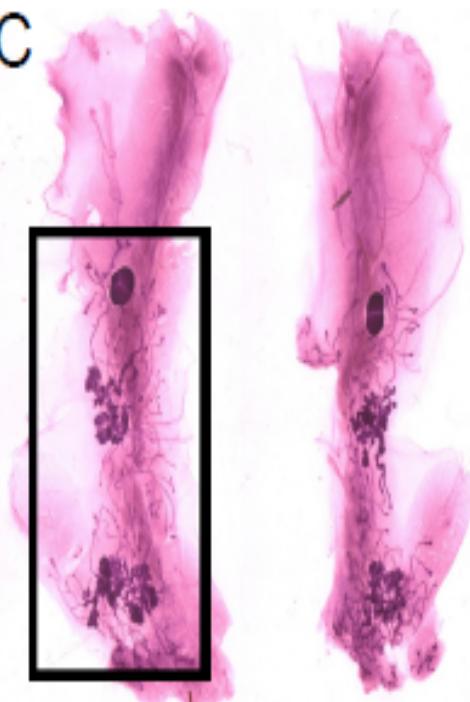
Vaquero  
Cometa  
Delgado  
Granero  
Colorado 6

**N. Colorado**

Granero  
Vaquero  
Delgado  
Redbull  
Cometa

**Washington**



**A****B****C**

Right and left side abdominal inguinal mammary chains (glands 4 and 5) whole mount images of FVB-Tg (MMTV-PyMT) transgenic mice. A) fed the control diet, B) fed a diet supplemented with Redwing (red onion), and C) fed a diet supplemented with Vaquero (yellow onion) for 2 weeks.

**Bioactivity towards breast cancer varied by**

# Peppers

**Variety Demonstration  
Shading for Colored Pepper Production  
Seed Increases and Selections  
Pungency and Biochemical Analysis**

# Pepper Variety Trial



# **Effect of Row Covers on Specialty Pepper Yield and Quality**



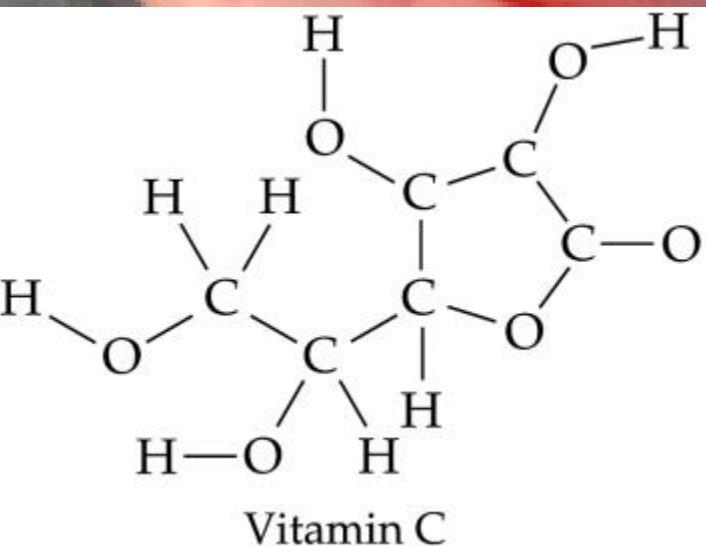
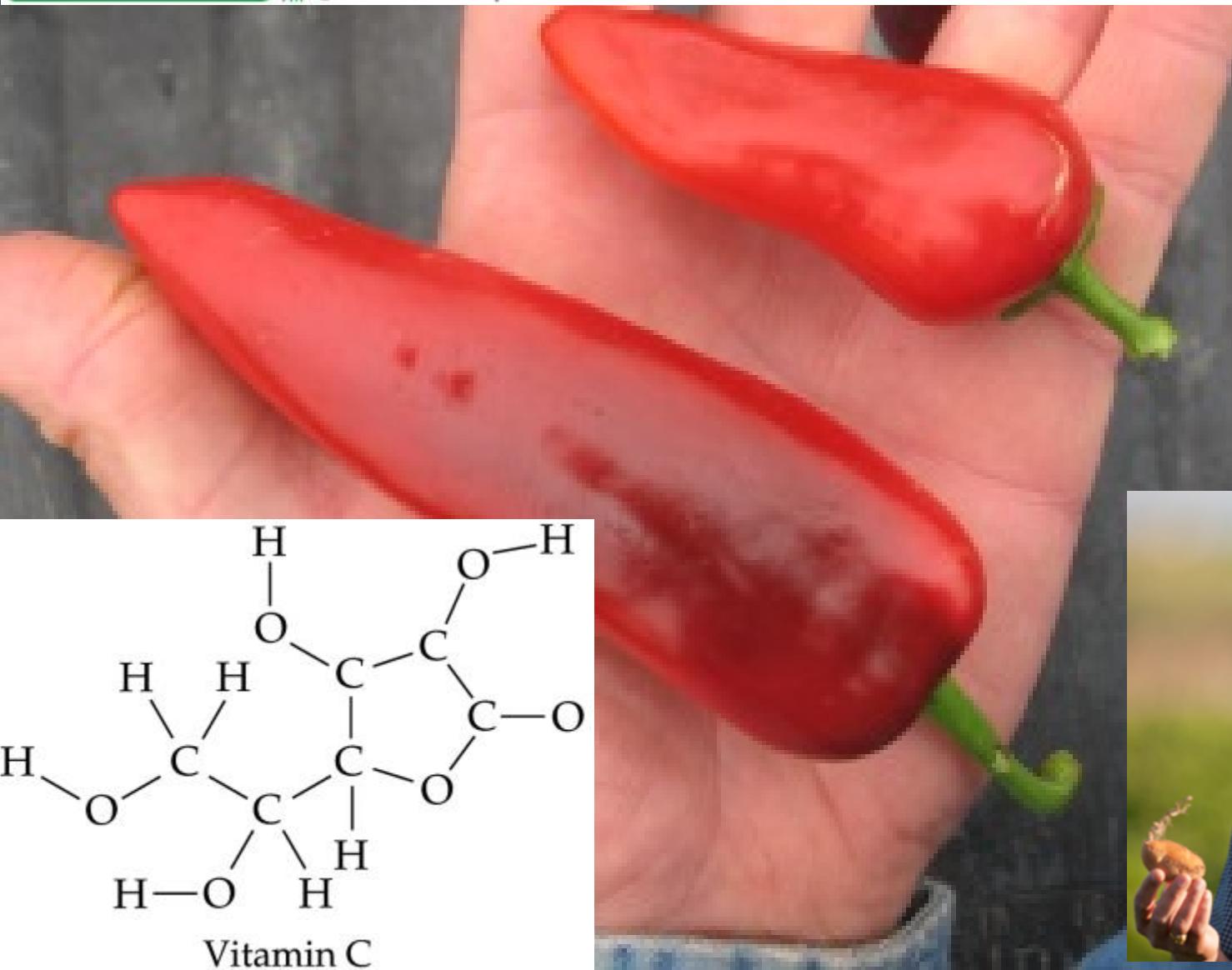


# Pepper Line Advances



# COLORADO

## Department of Agriculture



# Consumptive Use with Drip



# Tomato Variety Trial



# Cantaloupe Irrigation and Production Trial



1. Pollinators
2. Variety Test
3. Water Use / Salinity Distribution

# Variety Trials

## LSL Varieties



Holbrook





1. How efficient is drip irrigation? ....for augmentation purpose
2. What is the consumptive use of melons grown with plasticulture?
3. What is the salt distribution in the soil profile?



# Dr. Whitney Cranshaw

## Pollinator Study



# Lysimeter and COAGMET



05/20/2016





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**Dr. José Luis Chávez**



**Dr. Tim Gates**



**Dr. Jerry Johnson**



**Dr. Allan Andales**



**Dr. Scott Haley**



**Dr. Ryan Bailey**



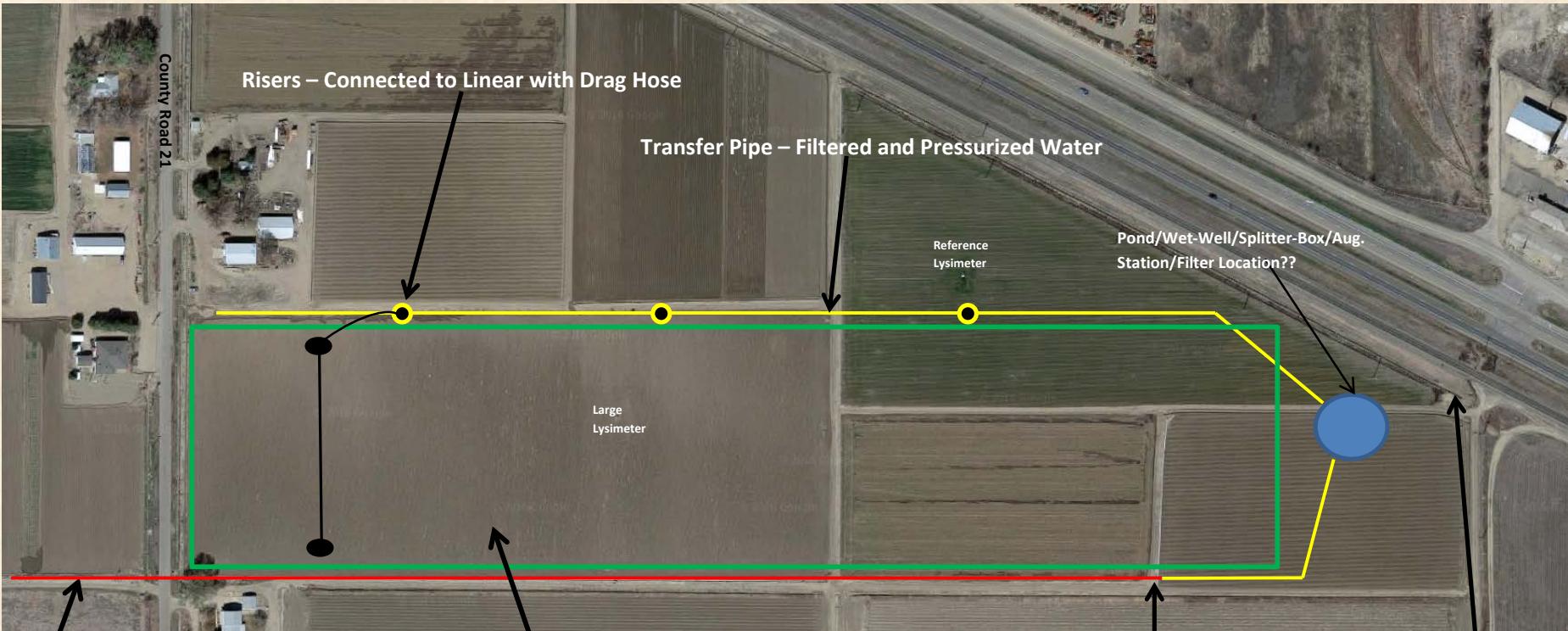
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## AVRC Prospective Linear Move Sprinkler Map

Red – Existing Ditch or Transfer Pipe

Green – Linear Irrigated Field

Yellow – New Pipe



**Water Supply:** Runs west to east from the Rocky Ford Ditch via an underground transfer pipe starting at the headgate, going under County Road 21, and entering a concrete ditch.

We want to maintain the ability to flood irrigate the LL field if we needed or wanted.

End of existing transfer pipe and ditch system.

All tail-water from the farm, east of Road 21, leaves at this point; water goes under Hwy 50.

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## Update

- Labor, Labor, Labor
- Limited Number of Positions
- Increased Extension Activity
- Site Consolidation with Extension

