Western Colorado Research Center

Fruita Research Station
  • Calvin Pearson – Soil and Crop Science
    • AES

Orchard Mesa Research Station
  • Steve Menke – HLA, State Enologist
    • Provost Funded
  • Perry Cabot – Civil Engineering, Colorado Water Institute
    • Extension
  • Horst Caspari – HLA, State Viticulturist
    • CWIDB
  • Hiring Tree Fruit Faculty – HLA
    • AES

Rogers Mesa Research Station - Idle
Fruita Research Station

Calvin Pearson

- Winter wheat cultivar performance test - Craig
- Potential of winter rye production in the Grand Valley
- Evaluation of RR alfalfa genetic material
- Evaluation of corn hybrid breeding material for grain and silage
- Evaluation of canola varieties
- Performance of sub-surface drip irrigation in corn for improved irrigation efficiency and environmental enhancement

Fred Judson

- Western Colorado Foundation Seed
- Selection increases for CSU dry bean breeding program
Orchard Mesa Research Station

Steve Menke

- CWIDB Wine Quality Assurance Faults
- Enology Classes at CSU
- Industry workshops and Short Courses
- GC-MS analysis of aroma analysis
- Rams Point Winery

Perry Cabot

- Conservation of water in agriculture
  - CWCB, CRD – split season irrigation on alfalfa and hay ($300,000)
  - Water budgeting to determine consumptive use at field scale
  - OM, Yellow Jacket, Eckert, Loma, Cimarron, Montrose
- Efficiency of water use in agriculture
  - CWCB, CRD, GBR, NoChicoBrush ($267,081)
  - Improved on farm irrigation technology
  - Field comparison of furrow, pivot, drip
  - Onion, sweet corn, alfalfa, grass hay – Delta, Gunnison, Montrose
Orchard Mesa Research Station (cont)

Perry Cabot (cont)

• Oilseed press design and construction
  • Collaboration with CMU and Unconventional Energy Program ($24,020)
  • Promotes oilseed for blended biofuel for biodiesel

Holdover Projects – OM Staff

• NC-140 Trials – 2 current, 1-2015, 1-2016
• *Brassica carinata* and biochar amendments for peach replant
• Hopyard establishment
• Bioenergy Alliance Network of the Rockies
  • Biochar amendments for improved productivity of peach orchards
  • RET – Research experience for teachers
• *Leucostoma* canker in peach – Harold Larsen
Horst Caspari

- Grape varieties and rootstocks for Colorado
  - Six ongoing trials at OM and RM including multi-state evaluations NE-1020
- Understanding cold temperature injury
  - Temperature profiles in vineyards
  - Bud cold hardiness of wine grape varieties
- Avoiding cold temperature injury
  - Delay of bud burst using spray on materials
  - Effect of pruning on bud burst
  - Effect of ABA on fall acclimation and bud hardiness
- Mitigating cold temperature injury
  - Bilateral vs quadrilateral training
- Vineyard production techniques and resource management
  - Adjustment of training systems and pruning systems to increase yield
  - Vineyard floor management
- Disease Control
- Water use of grapevines
WCRC Counties

Total Population 5,439,290
- 2040 - 7,752,886
- WCRC – 10.23%

Population 2015

Land Area

- All Other Counties
- Chaffee
- Delta
- Eagle
- Garfield
- Gunnison
- Lake
- Mesa
- Moffet
- Montrose
- Ouray
- Pitkin
- Rio Blanco
- Routt

Colorado.gov
**USDA Census of Agriculture 2012**

- **Irrigated Cropland**: 16.8%
- **Harvested Cropland**: 5.96%
- **Land in Farms**: 12.1%
### Market Value Ag Products Sold

- **Net Cash Farm Income:** 5.18%

### Net Cash Farm Income

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Total: 55 entries

### Net Cash Farm Income (Percentage)

- **Net Cash Farm Income:** 1.48%