



**Colorado Water Conservation Board**

**Water Plan**

**Water Project Summary**

Name of Applicant	Colorado State University
Name of Water Project	Development of a Market for a Drought Tolerant Fresh Vegetable
Grant Request Amount	<b>\$56,754.00</b>
Primary Category	\$56,754.00
<i>Agricultural Projects</i>	
Total Applicant Match	<b>\$15,199.00</b>
<i>Applicant Cash Match</i>	
	\$1,000.00
<i>Applicant In-Kind Match</i>	
	\$14,199.00
Total Other Sources of Funding	<b>\$15,199.00</b>
<i>Colorado River Water Conservation</i>	
<i>District</i>	
	\$15,199.00
Total Project Cost	<b>\$87,152.00</b>

**Applicant & Grantee Information**

Name of Grantee: Colorado State University	
Mailing Address: 2002 Campus Delivery Fort Collins CO 80523	
FEIN: 846,000,545	
Organization Contact: Todd Ballard	
Position/Title: Extension Professor	Email: todd.ballard@colostate.edu
Phone: 970-773-8081	
Organization Contact - Alternate: Perry Cabot	
Position/Title:	Email: perry.cabot@colostate.edu
Phone: 7193342558	
Grant Management Contact: Todd Ballard	
Position/Title: Extension Professor	Email: todd.ballard@colostate.edu
Phone: 970-773-8081	
Grant Management Contact - Alternate: Shannon Voggesser	
Position/Title: Extension Grants Office Manager	Email: shannon.voggesser@colosate.edu
Phone: 970-491-5309	

**Description of Grantee/Applicant**

No description provided

**Type of Eligible Entity**

- Public (Government)
- Public (District)

- Public (Municipality)
- Ditch Company
- Private Incorporated
- Private Individual, Partnership, or Sole Proprietor
- Non-governmental Organization
- Covered Entity
- Other

### Category of Water Project

- Agricultural Projects  
*Developing communications materials that specifically work with and educate the agricultural community on headwater restoration, identifying the state of the science of this type of work to assist agricultural users among others.*
- Conservation & Land Use Planning  
*Activities and projects that implement long-term strategies for conservation, land use, and drought planning.*
- Engagement & Innovation Activities  
*Activities and projects that support water education, outreach, and innovation efforts. Please fill out the Supplemental Application on the website.*
- Watershed Restoration & Recreation  
*Projects that promote watershed health, environmental health, and recreation.*
- Water Storage & Supply  
*Projects that facilitate the development of additional storage, artificial aquifer recharge, and dredging existing reservoirs to restore the reservoirs' full decreed capacity and Multi-beneficial projects and those projects identified in basin implementation plans to address the water supply and demand gap.*

### Location of Water Project

Latitude	39.100000
Longitude	-108.500000
Lat Long Flag	Municipal centroid: Coordinates based on centroid of municipal boundary
Water Source	Government Highline Canal
Basins	Colorado; Gunnison
Counties	Delta; Mesa; Montrose
Districts	42-Lower Gunnison River; 62-Upper Gunnison River

### Water Project Overview

Major Water Use Type	Agricultural
Type of Water Project	Education
Scheduled Start Date - Design	5/1/2025
Scheduled Start Date - Construction	
Description	The project will produce Southern Sweet Pea at the Western Colorado Research Center's Grand Valley location. Water consumption during production will be measured and reported as kilograms of water consumed per kilogram of produce grown. The resulting produce will undergo a taste tasting procedure at two western Colorado farmer's markets and the CSU SPUR campus.

### Measurable Results

New Storage Created (acre-feet)  
 New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive  
 Existing Storage Preserved or Enhanced (acre-feet)  
 New Storage Created (acre-feet)  
 Length of Stream Restored or Protected (linear feet)  
 Length of Pipe, Canal Built or Improved (linear feet)  
 Efficiency Savings (dollars/year)  
 Efficiency Savings (acre-feet/year)  
 Area of Restored or Preserved Habitat (acres)  
 Quantity of Water Shared through Alternative Transfer Mechanisms or water sharing agreement (acre-feet)

200,000 Number of Coloradans Impacted by Incorporating Water-Saving Actions into Land Use Planning

500 Number of Coloradans Impacted by Engagement Activity

Other

No additional measurable results provided

### Water Project Justification

The potential of cowpea to reduce consumptive use over currently common crops in the Tri-River Area fits into the CWCB goal of funding agricultural projects as described on page 63 of the Colorado Water Plan.

[https://dnrweblink.state.co.us/CWCB/0/edoc/219188/Colorado\\_WaterPlan\\_2023\\_Digital.pdf](https://dnrweblink.state.co.us/CWCB/0/edoc/219188/Colorado_WaterPlan_2023_Digital.pdf)

### Related Studies

The Western Colorado Research Center's Grand Valley location mission is focused on water use efficiency. Projects include sprinkler irrigation with artificial intelligence, sorghum stay green traits, winter pea variety trials, cover crops, garbanzo planting dates, and cover crops.

### Taxpayer Bill of Rights

NA