



#### Western SARE Program

Phil Rasmussen, Coordinator  
Utah State University  
Agricultural Science Building  
Room 305  
4865 Old Main Hill  
Logan, Utah 84322-4865  
phone: (435) 797-2257  
fax: (435) 797-3344

#### Western SARE PDP

Stephanie Walker  
New Mexico PDP Coordinator  
New Mexico State University  
Extension Plant Sciences Dept  
MSC 3AE, Box 30003  
Las Cruces, New Mexico 88003  
(505) 646-4398  
swalker@nmsu.edu

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## SMALL-FARM CROP DEMONSTRATION



Wheat acreage doubled under the project.

### Situation

The villages of Costilla, Questa and Taos Pueblo in northern New Mexico's Taos County and Garcia in southern Colorado's Costilla County have high rates of unemployment and poverty. Employment is limited to seasonal work at local ski resorts or other low-paying jobs.

#### Research & Education Grant

**Project Number:** SW96-027

**Title:** The Production of New, Existing and Native Crops Under Conventional and Organic Production in Costilla, NM, Garcia, CO, and at Taos Pueblo

**Principal Investigator:**  
Craig Mapel  
New Mexico Department of Agriculture  
P.O. Box 637  
Alcalde, NM 87511  
(505) 852-3088  
[cmapel@windstream.net](mailto:cmapel@windstream.net)

**Amount Funded:** \$71,686

Most of the residents who farmed land in these areas before World War II left to seek employment in cities like Albuquerque and Denver. Their children, now grown and in their 40s, are the clientele for this project. These residents have land, water resources and some equipment, with farms ranging from 1 to 40 acres and averaging around 10 acres.

The growing season can be as short as 80 days, and water for irrigation is highly vari-

able, ranging from none one year to a surplus the next. What's more, the irrigation infrastructure has often deteriorated from a lack of maintenance.

Despite these limitations, there exists a strong sense of community in each village and willingness within and among communities to cooperate and remain on the land. Farming presents one of the few remaining alternatives.

### Objectives

1. Demonstrate the production of new, existing and native crops under conventional and organic/low-input production practices in Costilla, NM, Garcia, CO and Taos Pueblo
2. Perform an economic analysis on those crops at those locations

### Actions

This project builds on a 1995 project funded by the New Mexico Department of

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Project participants take a few moments to discuss plans for the small farm cropping plans and options.



*Western SARE, a USDA organization, funds grants for research and education that develop or promote some aspect of agricultural sustainability, which embraces*

- *profitable farms and ranches*
- *a healthy environment*
- *strong families and communities.*

*The Western Region, one of four SARE regions nationwide, is administered through Utah State University.*

**Western SARE:**  
<http://wsare.usu.edu>

**National SARE:**  
[www.sare.org](http://www.sare.org)

## SMALL-FARM CROP DEMONSTRATION

Agriculture to sustain localized agriculture in northern New Mexico, southern Colorado and at Taos Pueblo.

The initial project was expanded to include farmers in Questa, New Mexico, and to develop a small greenhouse project in Costilla.

In 1998, these activities were undertaken:

- 10 farmers participated in the crop planting, primarily wheat
- 10 farmers participated in demonstration plots of high-value specialty crops, primarily cool-season varieties
- 9 people worked in the greenhouse project, producing transplants for use by local residents and for sale at the Santa Fe and Taos farmers markets
- a community garden begun in 1997 at the Taos County Economic Development Corp.'s headquarters was continued in 1998

### Results

Wheat acreage was expanded in 1998 to more than 300 acres, up from 160 in 1995

- All growers involved were certified organic in 1997 and again in 1998 under the New Mexico organic certification process, a step that committed growers to the program
- A certified organic flour mill was located in central New Mexico, and a high-end Santa Fe bakery committed to buying all wheat from the project to develop a new product line



Some of the organic bakery projects that evolved from the project.

- The community garden at the Taos County Economic Development headquarters enabled several young women on welfare or in the Women, Infants and Children program to plant, grow and market vegetables from about 1 acre and earn supplemental income
- Results of the project were published in news articles, showcased on a public tour and promoted through a video and brochure

### Potential Benefits

The project had direct, positive benefits on more than 30 local farmers and



their families, with many farms bringing income to families for the first time in a generation, and they did it without the use of chemicals. Net income was estimated at \$230 an acre, which exceeds returns from alfalfa in the area.

While most of the nation had been losing farms, communities in northern New Mexico and Southern Colorado gained a few farms.

In a social sense and in the context of sustainability, the project had the immeasurable impact of keeping families on farms within their communities. And it has seen individuals coming together to work as a team, in a cooperative spirit, during planting and harvest.

The project also proved that a wide variety of state, local and federal agencies can work together with private industry to stimulate economic development in rural areas.



Row crop production also increased.