**Situation**

On Wright’s Mesa, just outside Norwood in southwest Colorado, Tony and Barclay Daranyi operate the 100-acre Indian Ridge Farm & Bakery. They applied for their Western SARE Farmer/Rancher Grant with the idea of rotating poultry through pastures being hayed and grazed by cattle.

They would rotate the poultry through the pasture twice in a growing season, once in the spring when the grass is coming up and when chemical fertilizers are traditionally applied, and again in the fall between cuttings of hay and before cattle are brought down from the high country to graze.

Their intention with the pastured poultry research:
- Demonstrate economic diversification of a ranching operation, which could strengthen the viability of farming and ranching lands threatened by development
- Provide natural fertilizer from rotating chickens – at a lower, more sustainable cost – on pastures typically treated with chemical fertilizers, mainly nitrogen

**Objectives**

1. Assess the effects of a pastured poultry production system on a traditional haying and grazing operation
2. Determine whether the two production systems are complementary
3. Assess whether soil properties and forage production are influenced by the pastured poultry system
4. Expose traditional livestock ranchers to new marketing opportunities while fertilizing pastures naturally and sustainably

**Actions**

The experiment began June 1, 2002, with 75 Cornish cross chickens placed on pasture in a 10-foot by 12-foot pen moved daily and rotated through ½ acre every...
Ridge Farm and Bakery will pasture nearly 2,500 chickens through a 2-acre pasture. Two beef cattle rotated through the pasture graze down grasses to a manageable level for the chickens. A flock of 100 layer hens follow the cows. By mid summer the same pasture accommodates 150 free-range turkeys. At any given time during the season, 900 chickens are split among 12 pens.

The grazing scheme has increased forage and improved water retention and infiltration, which has reduced the need for irrigation. The chickens are dressed at an average of 4 pounds following six weeks on pasture and four weeks in the brooder. Along with pastured eggs, turkeys, beef and lamb, the chickens are marketed on farm, at local farmers markets, through the farm’s CSA and in local restaurants.

Other activities at Indian Ridge Farm & Bakery:
- Landscape improvements to include a small orchard
- The purchase of two pregnant Saanen goats to start a goat dairy for milk, cheese and yogurt and to manage weeds
- Offering of an apprenticeship program for aspiring farmers
- Development of a website, www.indianridgefarm.org

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