

SOUTHERN WILLAMETTE VALLEY BEAN AND GRAIN PROJECT

Crop and Crop Yield Data:

The following data was collected during the 2008 growing season. Crops were grown on three scales of farm—large conventional, market-garden, and homestead plots. Data from market-garden and homestead plots are extrapolated to acreage yields. Crops were grown using conventional, transitional, and organic practices.

BEANS

Variety	Scale	Acreage	Yield	Comments
Red Lentils (3 rd year transitional)	Conventional (Stalford Seed Farms)	20	No data	Not harvested
Pinto Beans (3 rd year transitional)	Conventional (Stalford Seed Farms)	20	50 lbs/acre	Late planting, harvest problems
Black Beans (3 rd year transitional)	Conventional (Stalford Seed Farms)	20	No data	Late planting, harvested before ripe
Garbanzo Beans (3 rd year transitional)	Conventional (Stalford Seed Farms)	20	1400-1500 lbs/acre	Late planting, half yield was lost to harvest problems
Anasazi-type (3 rd year transitional)	Conventional (Stalford Seed Farms)	20	No data	Late planting, harvested before ripe
Soy Beans (organic)	Conventional (Stalford Seed Farms)	.125	No data	
Green Laird Lentil (organic)	Market-garden (Sunbow Farm)	.006	2500 lbs/acre	
Garbanzo Beans (organic)	Market-garden (Sunbow Farm)	.02	2000 lbs/acre	2288 lbs/acre in 2006
Black Beans (organic)	Market-garden (Sunbow Farm)	.02	1360 lbs/acre	2860 lbs/acre in 2006
Pinto Beans (organic)	Market-garden (Sunbow Farm)	.018	2177 lbs/acre	3640 lbs/acre in 2006 4590 lbs/acre in 2007
Red Chili Beans (organic)	Market-garden (Sunbow Farm)	.02	1875 lbs/acre	Excellent taste
Hei Mu Tou Soy (organic)	Market-garden (Sunbow Farm)	.011	No data	1950 lbs/acre in 2006 Shattered before harvest in 2007

BEANS (continued)

Variety	Scale	Acreage	Yield	Comments
Fava (organic)	Market-garden (Sunbow Farm)	.007	2080 lbs/acre	
Adzuki Beans (organic)	Market-garden (Sunbow Farm)		No data	Suffered badly from cold weather
Derby Green Bean (organic)	Market-garden (Sunbow Farm)			Grown for seed
Hei Mu Tou (organic)	Homestead (Earth Station)			Froze out in June (elevation 700 ft.)
Hei Mu Tou (organic)	Homestead (Steve Rose)	.004	Insufficient data	
Black Beans (organic)	Homestead (Drabkin and Llewellyn)	.1	525 lbs/acre	
Pinto Beans (organic)	Homestead (Drabkin and Llewellyn)	.1	445 lbs/acre	

GRAINS

Variety	Scale	Acreage	Yield	Comments
White Wheat (industrial)	Conventional (Stalford Seed Farms)	1200	120-150 bushels/acre	
Red Wheat (organic)	Conventional (Stalford Seed Farms)	1.5	33 bushels/acre	
Triticale (organic)	Conventional (Stalford Seed Farms)	.25	No data	
Maris Widgeon Wheat (organic)	Market-garden (Sunbow Farm)	.001	66 bushels/acre	Thatch wheat, six foot tall
SS 791 Wheat (organic)	Market-garden (Sunbow Farm)	.002	50 bushels/acre	
Tim Stein Wheat (organic)	Market-garden (Sunbow Farm)	.006		Failed Crop
Stephens Durum Wheat (organic)	Market-garden (Sunbow Farm)	.0014	150 bushels/acre	
Mark's Red Wheat (organic)	Market-garden (Sunbow Farm)	.023	43 bushels/acre	

GRAINS (continued)

Tim Peters Perennial Wheat (organic)	Market-garden (Sunbow Farm)	.016	56 bushels/acre	Showed characteristics of both red and white wheat
Ruby Hard Red Wheat (organic)	Market-garden (Sunbow Farm)	.0004	33 bushels/acre	
Zaeus Wheat (organic)	Market-garden (Sunbow Farm)	.0006	50 bushels/acres	
Pan Mow 14 A Wheat (organic)	Market-garden (Sunbow Farm)	.0003	Insufficient data	
Crete 13 Wheat (organic)	Market-garden (Sunbow Farm)	.0006	Insufficient data	
Rescue Wheat (organic)	Market-garden (Sunbow Farm)	.0006	50-60 bushels/acre	
Gypsum Soft White Wheat (organic)	Market-garden (Sunbow Farm)	.0006	Insufficient data	Poor germination
Red Turkey Wheat (organic)	Market-garden (Sunbow Farm)	.005	27 bushels/acre	
Canyon Bounty Hard Red Wheat (organic)	Market-garden (Sunbow Farm)	.002	30-40 bushels/acre	
Currawa Soft White Wheat (organic)	Market-garden (Sunbow Farm)	.01	20 bushels/acre	24 bushels/acre at WSU in 2008
Thatcher Hard Red Wheat (organic)	Market-garden (Sunbow Farm)	.01	22 bushels/acre	26 bushels/acre at WSU in 2008
Marquis Hard Red Wheat (organic)	Market-garden (Sunbow Farm)	.01	13 bushels/acre	22.5 bushels/acre at WSU in 2008
Peawa Soft White Wheat (organic)	Market-garden (Sunbow Farm)	.01	23 bushels/acre	33.5 bushels/acre at WSU in 2008
Ladoga Hard Red Wheat (organic)	Market-garden (Sunbow Farm)	.01	13 bushels/acre	23.5 bushels/acre at WSE in 2008
Duoniai Dark Rye (organic)	Market-garden (Sunbow Farm)	.0007	200 bushels/acre	

GRAINS (continued)

Variety	Scale	Acreage	Yield	Comments
Lichtkorn Roggen Rye (organic)	Market-garden (Sunbow Farm)	.0006	123 bushels/acre	
Mountaineer Perennial Rye (organic)	Market-garden (Sunbow Farm)	.001	68 bushels/acre	
Mark's Perennial Rye (organic)	Market-garden (Sunbow Farm)	.016	49 bushels/acre	
Trios B Triticale (organic)	Market-garden (Sunbow Farm)	.0005	68 bushels/acre	
Pearls Triticale (organic)	Market-garden (Sunbow Farm)	.0008	135 bushels/acre	
Douglas Triticale (organic)	Market-garden (Sunbow Farm)	.0006	No data	
Canadian Triticale (organic)	Market-garden (Sunbow Farm)	.14	30 bushels/acre	
Winter Hard White Wheat (organic)	Homestead (Paul Harcombe)	.006	147 bushels/acre	
Spring Hard White Wheat (organic)	Homestead (Paul Harcombe)	.004	58 bushels/acre	
Spring Cayuse Oats (organic)	Homestead (Paul Harcombe)	.004	50 bushels/acre	
Mark's Hard Red (organic)	Homestead (Kiko Denzer)	.008	40 bushels/acres	
Yamhill Soft White (organic)	Homestead (Kiko Denzer)	.002	77 bushels/acre	
Binkel (organic)	Homestead (Kiko Denzer)	.001	69 bushels/acre	

EDIBLE SEEDS

Variety	Scale	Acreage	Yield	Comments
Dave Quinoa (organic)	Market-garden (Sunbow Farm)	.0013	4000 lbs/acre	
Faro Quinoa (organic)	Market-garden (Sunbow Farm)	.001	2800 lbs/acre	
Temoca Quinoa (organic)	Market-garden (Sunbow Farm)	.0015	No data	Struggled in cold weather
Mac Mark Quinoa (organic)	Market-garden (Sunbow Farm)	.02	No data	Tansplanted from starts 5/6, 3500 lb/acres in 2007
Mac Mark Quinoa (organic)	Market-garden (Sunbow Farm)	.02	No data	Direct planted from seeds 5/15
Golden Amaranth (organic)	Market-garden (Sunbow Farm)	.0013	Few ounces of seeds	Will use seeds for next year to see if there is greater cold tolerance
Golden Flax (organic)	Market-garden (Sunbow)	.0005	2700-3000 lbs/acre	
Buckwheat (organic)	Market-garden (Sunbow Farm)	.05	3000 lbs/acre	
Coriander (organic)	Market-garden (Sunbow Farm)	.0007	3168 lbs/acre	
Sunflower several varieties (organic)	Market-garden (Sunbow Farm)	No data	No data	Birds harvested the seeds
Quinoa (organic)	Homestead (Earth Station)			Froze out in June (elevation 700 ft.)
Amaranth (organic)	Homestead (Earth Station)			Froze out in June (elevation 700 ft.)