

Table 1. 2006 Irrigated Safflower Variety Trial at Logan, Utah (Cache Co.).  
 Planted 5/11/2006, Harvested 10/11/2006, Elevation 4608 ft.  
 Soil Type: Millville Silt Loam. Applications 50 units of N and Sonalan herbicide at planting.  
 Previous crop: triticale. 10 hours of irrigation (1st set for 6 hrs, 2nd set for 4 hrs).

Variety	Seed Production lb DM/ac	Test Weight lb/bu	Color Score	Sprout Damage %	Oil Content %	Plant Height inches	Gross Income /acre
4409	2027	42.9	2	16	43.6	24.8	274
Hybrid 9049-1	1945	44.2	3	4	38.7	25.5	263
5244	1922	44.5	1	7	43.6	26.7	259
S-719	1850	41.2	4	10	45.5	23.8	250
1143	1777	40.6	4	10	45.3	24.7	240
S-208	1768	40.0	3	19	43.8	24.5	239
Hybrid 9022	1712	42.5	5	4	38.3	26.1	231
1133	1699	41.0	5	10	47.5	26.9	229
Hybrid 9049-2	1673	43.3	4	7	39.1	24.3	226
2109	1618	41.2	1	4	45.7	22.6	219
Montola 2003	1579	41.9	1	8	44.0	22.2	213
9262	1529	41.9	3	21	42.9	23.5	207
Finch	1477	45.4	2	12	41.8	25.6	200
Nutrasaff	1248	36.5	10	1	51.9	25.9	168
<b>Mean</b>	<b>1702</b>	<b>41.9</b>	<b>3.4</b>	<b>9.3</b>	<b>43.7</b>	<b>24.8</b>	<b>229.7</b>
Significance of F test	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
LSD (0.05)	235	0.7	0.5	4.7	1.0	1.6	32
LSD (0.30)	122	0.4	0.3	2.4	0.5	0.8	16
CV (%)	9.7	1.2	10.1	35.3	1.7	4.4	9.7

A special thanks are extended to Art Weisker, Seed Tec; Jerry Bergman, Safflower Technologies; Bill Meadows, Mountain States Oilseeds; Tom Griggs, USU Extension, Utah Agricultural Experiment Station; Shyrl and Justin Clawson, USU Plant Soil and Biometerology Dept: Mike Bouck, Utah Crop Improvement Association for their advice, expertise, equipment, time and supplying seed for this trial.

**Table 2. 2-Year Average Production Results for Irrigated Safflower Variety Trial at Logan, Utah (Cache Co.).**

Variety	Production Year		2-Year Average
	2005	2006	
	----- Lbs. DM/ac -----		
4409	1934	2027	<b>1981</b>
5244	1885	1922	<b>1904</b>
S-208	1943	1768	<b>1856</b>
S-719	1801	1850	<b>1825</b>
9262	1950	1529	<b>1740</b>
Hybrid 9022	1676	1712	<b>1694</b>
Finch	1802	1477	<b>1639</b>
Montola 2003	1536	1579	<b>1558</b>
Nutrasaff	1440	1248	<b>1344</b>
Hybrid 9049-1		1945	
1143		1777	
1133		1699	
Hybrid 9049-2		1673	
2109		1618	
<b>Average</b>	<b>1774</b>	<b>1702</b>	<b>1727</b>