

**2005 Safflower Variety Trial – Continuously Cropped - No-till**

**Hettinger**

Variety	Days to Bloom	Plant Height	Test Weight	*Oil Content	Seed Yield			Average Yield	
					2003	2004	2005	2 yr	3 yr
		inches	lbs/bu	%	----- Pounds per acre -----				
<b><i>Linoleic Types</i></b>									
S-541	108	25	41.0	40.4	1207	2387	1567	1977	1720
Finch	105	25	43.8	35.3	1280	2000	1627	1814	1636
Nutrasaff	106	26	37.8	44.7		1973	1680	1826	
<b><i>Oleic Types</i></b>									
S-518	106	22	39.1	38.2	1227	2355	2207	2281	1930
Montola 2004	104	23	40.1	34.4	1267	1853	1753	1803	1624
Montola 2003	107	24	41.0	35.7	1000	1900	1907	1904	1602
Montola 2000	107	22	39.0	36.8	987	1880	1367	1624	1411
Trial Mean	106	24	41.0	36.7	1221	2100	1736	--	--
C.V. %	1.6	6.4	1.7	0.9	14.2	13.5	8.8	--	--
LSD .05	NS	2	1.0	0.5	250	409	221	--	--
LSD .01	NS	3	1.4	0.6	337	NS	298	--	--

\* Oil content is adjusted to an 8% moisture basis and is adjusted by oil type.

Planting Date: April 6, 2005                      Harvest Date: September 20, 2005  
 Seeding Rate: 400,000 live seeds / acre.  
 Previous Crop: 2003 & 2005 = barley, 2004 = HRSW  
 NS = no statistical difference between varieties.

**2005 Dormant Seeded Safflower Trial****Hettinger**

Variety	Flowering Date	Plant Height	Test Weight	Oil Content	Grain Yield
	July	inches	lbs/bu	%	Lbs/ac
<b>Seeding Date: November 9, 2004</b>					
S-541	20	23	40.6	39.2	1893
Finch	19	27	43.9	34.8	2036
Montola 2003	22	21	40.6	34.7	2240
Mean	20	24	41.7	36.2	2056
<b>Seeding Date: April 6, 2005</b>					
S-541	22	25	41.0	40.4	1567
Finch	20	25	43.8	35.4	1627
Montola 2003	22	24	41.0	35.7	1907
Mean	21	25	41.9	37.2	1700
C.V. %	7.7	13.5	1.4	1.8	13.3
LSD .05	2	NS	0.9	1.0	381
LSD .01	NS	NS	1.3	1.4	532

Harvest Date: September 20, 2005

Seeding Rate: 400,000 live seeds / acre.

Previous Crop: Barley

NS = no statistical difference between varieties.