

2008 Safflower Variety Trial – Continuously Cropped - No-till

Hettinger

Variety	Days to Bloom	Plant Height	Test Weight	Oil Content	---- Seed Yield ----			Average Yield	
	*	inches	lbs/bu	%	2006	2007	2008	2 yr	3 yr
----- pounds per acre -----									
<i>Linoleic Types</i>									
Cardinal	91	31	43.0	34.6	1387	2270	1377	1824	1678
S-541	92	28	37.1	41.2	967	2279	1071	1675	1439
Finch	89	29	41.6	35.6	847	1958	1357	1658	1387
NutraSaff	89	30	32.5	42.7	127	1400	612	1006	713
<i>Oleic Types</i>									
MonDak	90	28	38.3	37.6	978	1801	1386	1594	1388
Montola 2000	88	25	36.1	40.2	860	1500	1474	1487	1278
Montola 2003	91	27	38.6	38.0	622	1994	1141	1568	1252
Hybrid 9049	87	27	42.8	32.3			1665		
Hybrid 1601	88	28	40.4	37.4			1637		
Trial Mean	89	28	38.2	38.1	870	1815	1319	--	--
C.V. %	0.7	3.8	2.0	1.8	13.6	9.7	7.7	--	--
LSD .05	1	2	1.1	1.0	171	253	147	--	--
LSD .01	1	2	1.5	1.4	230	342	198	--	--

* Days to Bloom = the number of days from planting to 10% bloom.

Planting Date: April 28, 2008

Harvest Date: September 5, 2008

Seeding Rate: 300,000 live seeds / acre (approx. 22 lbs/A).

Previous Crop: 2005 = barley, 2006 & 2007 = hrsw.

Notes: The 2006 trial sustained moderate moisture stress.

2008 Dormant Seeded Safflower Trial

Hettinger

Variety	Flowering	Plant	Test	Oil	----- Seed Yield -----			Avg.
	Date	Height	Weight	Content	2005	2006	2008	
	July	inches	lbs/bu	%	----- pounds per acre -----			
Fall Seeded								
Finch	21	25	42.3	35.6	2036	1547	1388	1657
Montola 2003	24	21	39.0	37.3	2240	1545	1082	1622
MonDak	23	26	39.8	36.3	--	--	1684	--
Cardinal	24	26	43.1	34.8	--	--	1379	--
S-541	--	--	--	--	1893	1113	--	1503
Mean	23	24	41.0	36.0	2056	1402	1383	1614
Spring Seeded								
Finch	28	28	41.2	36.1	1627	2333	1364	1775
Montola 2003	30	28	36.9	38.0	1907	1513	939	1453
MonDak	29	28	37.4	36.0	--	--	1322	--
Cardinal	29	30	40.9	33.9	--	--	1354	--
S-541	--	--	--	--	1567	2167	--	1867
Mean	29	28	39.1	36.0	1700	2004	1245	1650
C.V. %	2.1	3.9	1.8	1.6	13.3	8.2	7.0	--
LSD .05	1	2	1.1	0.9	381	212	136	--
LSD .01	1	2	1.5	1.2	532	293	184	--

Planting date	Fall	Spring	Harvest date	Previous Crop
2005	Nov 9	Apr. 6	Sept. 20	Barley
2006	Nov 14	Apr. 12	Aug. 29	Barley
2008	Nov 16	May 7	Sept. 5	HRSW

Seeding Rate: 400,000 live seeds / acre.