

2011 Oil Type Sunflower Variety Trial at Hettinger

Brand	Hybrid	Oil Type & Traits	Days to Bloom	Days to Mature	Plant Height	Test Weight	Oil Content	Seed Yield			Average Yield	
								2009	2010	2011	2 yr	3 yr
		*	**	**	inches	lbs/bu	%	Pounds per acre				
Triumph Seed	s678	NS,SS	74	121	50	25.7	37.6	1914	2528	1644	2086	2029
	s668	NS,SS	76	110	46	24.8	35.9	2791	1726		2258	
	s673	NS,SS	78	110	45	24.1	37.2		1543			
	s870HCL	HO,CL,SS	76	111	46	24.0	37.4		1487			
Mycogen Seeds	8H449CLDM	HO,CL,DM	72	110	67	26.5	37.5	2798	2404	1631	2018	2278
	8D481	NS	73	110	67	25.2	33.7	1817	1784	2389	2086	1997
	8D310	NS	68	108	62	24.1	33.0	2290	1694	1550	1622	1845
	8N421CLDM	NS,CL,DM	72	109	59	24.2	35.8		1401			
Genosys	8037	HO,CL,DM	71	102	66	28.3	33.4	1993	1272		1628	
	9319	NS,DM	71	110	67	25.1	35.5		1794			
	9008	NS,DM	73	110	64	24.8	33.7		1560			
Syngenta Seed	3480NS/CL/DM	NS,CL,DM	72	105	63	23.7	36.7	2111	2505	1912	2208	2176
	3845HO	HO,EX	70	106	51	26.0	37.4	2320	2160	1719	1940	2066
	7120HO/DM	HO,DM	66	110	51	24.8	37.1	1635	1979	1578	1778	1731
	3733NS/DM	NS,DM	70	107	56	24.5	37.7			2264		
	3495NS/CL/DM	NS,CL,DM	73	106	66	26.4	36.4			1927		
	3995NS/SU	NS,EX	71	103	62	22.3	34.5			1778		
	4596HO/DM	HO,DM	69	112	67	27.7	36.2			1711		
	3733NS/DM coated	NS,DM	70	108	59	23.8	36.3			1707		
	NX82758	NS,CL,DM	70	110	58	21.7	34.7			1630		
	3158NS/CL/DM	NS,CL,DM	71	106	61	24.3	36.0			1569		
	NX01162	NS,CL,DM	70	104	65	21.6	31.9			1440		
	3990NS/CL/DM	NS,CL,DM	73	104	65	24.7	36.1			1353		
Proseed	E-22CL		68	112	67	26.0	34.2				1748	
	E-14		70	109	75	24.2	34.0				1543	
	E-21CL		71	110	71	22.9	34.2				1420	
	E-10		73	109	70	21.3	33.6				1385	
Pioneer Hi-Bred Int'l	P63ME80	NS,EX	69	110	72	24.5	35.6				1843	
	P63ME70	NS,EX	71	107	68	21.9	37.3				1670	
	P63HE60	HO,EX	72	106	70	24.4	34.8				1442	
Integra Seed	724NSCL	NS,CL	70	106	59	24.0	34.6	1544	1220		1382	
	756NSCL	NS,CL	71	106	66	26.6	35.0				1664	
	IX10-94	NS,EX	71	108	56	24.5	35.5				1660	
Elite Seeds	Pacific	HO	72	111	67	21.6	34.8				2058	
	Biba	Convent	70	105	62	24.0	37.0				1799	
	Pomar	Convent	72	108	72	22.9	36.0				1659	
	Balistic CL	HO,CL	71	112	73	24.6	35.6				1580	
	Ethic	HO	72	110	69	22.9	36.5				1205	
Croplan Genetics	460 ENS	NS,EX	70	109	58	23.3	36.3	2736	1911		2324	
	559 CLDMRNS	NS,CL,DM	71	110	69	25.2	36.9	2458	2175		2316	
	442 ENS	NS,EX	70	103	60	23.4	36.9				1691	
	548 CLDMRNS	NS,CL,DM	69	106	52	25.5	36.6				1437	
Seeds 2000	Badger	Convent,CL	67	105	58	25.0	34.4				2134	
	Durango	NS,EX,DM	76	108	56	23.6	35.1				1770	
	Falcon	NS,EX,DM	72	105	53	23.7	35.6				1767	
	Torino	NS,CL	73	106	56	25.9	35.8				1537	
	Camaro DMR	NS,CL,DM	72	103	65	24.7	35.2				1352	
	x9822 DMR	HO,CL,DM	70	108	52	24.5	35.7				1345	

continued

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Maturity Checks												
Early	Falcon		72	105								
Medium	Mycogen 8N270		66	104								
Late	Croplan 378 HO		69	110								
Trial Mean			71	108	62	24.4	35.6	2040	2169	1658	--	--
C.V. %			1.8	1.6	4.9	4.0	3.5	14.6	12.8	8.1	--	--
LSD 5%			2	2	4	1.3	1.7	405	389	188	--	--
LSD 1%			2	3	6	1.8	2.3	536	514	249	--	--

* Oil Type and Traits: NS = NuSun, HO = high oleic, Convent = conventional oil, CL = Clearfield, EX = Express herbicide tolerant, DM = downy mildew resistant, SS = short stature.

** Days to Bloom / Mature: The number of days from planting to 10% bloom / physiologic maturity.

Planting Date: June 6
 Seeding Rate: 19,000 seeds / acre
 Previous Crop: HRSW

Harvest Date: September 9
 Row Spacing: 30"
 Soil Type: loam