

Sunflower Hybrid Performance - 2005 Williston Research Extension Center

Brand/ Company	Cultivar ¹	Days to	Plant	Seed	Harvest	Test	Seed	Grain Yield			
		Flower	Height	Moist. ²	Pop.	Weight	Oil ³	2003	2004	2005	3 yr avg
		fr plntg	in	%	plt/a	lbs/b	%	-----	lbs/ac	-----	lbs/ac
Croplan	340 HO	69	50	11.3	15159	32.3	45.6	--	--	1874	--
Croplan	343DMR HO	69	54	9.3	16553	33.7	43.4	--	--	1832	--
Croplan	378DMR HO	69	54	11.0	17076	32.5	46.8	--	--	1657	--
Dekalb	DKF30-33 NS	69	55	10.5	15159	34.0	41.0	1023	1691	1889	1534
Dekalb	DKF33-33 NS	68	48	9.9	17772	32.4	41.0	986	1626	1579	1397
Dekalb	DKF35-10 NS	69	53	11.1	16204	34.5	42.6	--	--	1901	--
Dekalb	MH4435	71	49	10.0	15507	31.7	45.0	--	--	1632	--
Dekalb	MH4436	70	45	8.8	14636	33.2	44.2	--	--	1585	--
Dekalb	MH4331B NS	70	46	10.6	17250	33.2	44.6	--	--	1774	--
Dekalb	MH5434	71	56	10.9	17598	33.8	48.5	--	--	1798	--
Dekalb	MH5330 NS	68	62	8.8	15682	34.8	45.6	--	--	1636	--
Dyna-Gro	91N05 NS	64	43	8.7	15682	31.8	40.2	--	--	1580	--
Dyna-Gro	93C05 NS	69	55	8.2	16204	30.8	43.9	--	--	1556	--
Dyna-Gro	93N05 NS	69	47	12.4	16204	33.0	41.0	--	--	1699	--
Interstate	4540NS	69	45	12.9	14985	34.5	43.7	--	1486	1719	--
Interstate	4575NS/CL	70	55	10.9	17424	31.2	44.7	--	1471	2039	--
Interstate	4704NS	68	46	12.2	15333	32.9	41.7	--	--	1558	--
Interstate	6039	67	47	8.8	15682	34.0	46.9	1301	1828	1869	1666
Interstate	6111	61	48	9.1	15159	32.9	41.8	--	--	1875	--
Interstate	6521	67	47	9.3	16030	32.6	44.4	1098	2140	2031	1756
Interstate	EX8888 NS	71	49	11.0	16553	32.1	42.8	--	--	1624	--
Interstate	F10003 NS	68	48	12.1	16030	33.7	41.3	--	1766	1618	--
Interstate	F10016 NS	68	45	12.2	15856	32.5	43.1	--	--	1684	--
Interstate	F10046	71	45	11.7	15333	34.4	46.5	--	1459	1488	--
Interstate	HyOleic 120	68	55	12.6	15333	33.7	47.3	--	1619	1551	--
IS Hysun	511 NS	65	44	9.2	16030	31.1	41.4	--	1563	1841	--
IS Hysun	521 NS	65	47	10.8	16553	32.7	41.8	--	1604	1635	--
IS Hysun	525 NS	69	44	10.0	15333	31.4	40.5	1250	1571	1777	1533
Kaystar	8300	66	46	10.6	16901	31.4	47.1	1115	1861	2274	1750
Kaystar	8303	68	50	8.8	16727	33.1	46.1	--	--	1979	--
Mycogen	7350	67	49	9.7	15856	31.7	49.5	--	--	1936	--
Mycogen	8H288DM	64	49	8.7	15333	33.0	48.8	--	--	1805	--
Mycogen	8H350DM	67	51	9.4	17424	32.4	50.5	--	--	2074	--
Mycogen	8H453DM NS	69	45	9.4	16030	33.8	47.7	--	--	1713	--
Mycogen	8N270 NS	64	46	8.8	16204	32.2	44.7	--	--	1841	--
Mycogen	8N386CL NS	69	56	11.3	16379	32.0	45.1	--	--	1926	--
Mycogen	8N419CL NS	71	51	13.2	16901	31.6	46.0	--	--	1883	--
Mycogen	SF270	65	44	10.0	15856	32.6	44.0	952	1849	1792	1531
NDSU	Hybrid 894	70	53	8.3	14810	31.6	42.1	803	1256	1653	1237
Pioneer	63M80 NS	68	48	10.6	15856	32.7	46.2	--	1820	2009	--
Pioneer	X2405 NS	66	46	8.9	16030	30.3	44.3	--	--	1827	--
Pioneer	X2505 NS	69	49	9.4	16553	31.8	41.3	--	--	1888	--
Proseed	9441 NS	71	59	8.3	15856	31.9	43.8	1110	1203	1362	1225
Proseed	CL41 NS	69	51	10.5	17424	32.7	40.2	--	--	1428	--
Proseed	CL42 NS	69	52	10.4	15159	32.7	44.0	--	--	1736	--
Proseed	CL43 NS	70	49	10.0	14810	32.0	39.8	--	--	1659	--
Proseed	T-1 NS	70	51	12.0	15856	29.9	46.9	--	1377	1960	--
Proseed	T-4 NS	70	59	11.4	14113	29.3	41.3	--	--	1756	--
Seeds2000	Defender HO NS	66	50	9.9	16204	32.8	40.9	1170	1500	1355	1342
Seeds2000	Defender Plus NS	67	46	8.4	15682	32.6	42.2	--	--	1635	--
Seeds2000	Viper NS	70	55	9.1	16553	30.4	41.9	--	1811	1237	--
Triumph	820HO	68	54	9.5	16379	33.9	50.1	--	--	1602	--
Mean		68	50	10.2	16023	32.5	44.1	1074	1627	1743	--
CV %		1	6	16.2	7	1.5	1.9	16	13	15	--
LSD 0.05		1	4	2.3	1644	1.0	1.7	246	305	368	--

Planting Date: May 24, 2005

Harvest Date: October 13 & 14, 2005

Interstate = Interstate Seeds; Croplan = Croplan Genetics; Proseed = Proseed, Inc.

¹ NS designates the Nu-Sun Hybrids.

² Seed moisture taken at harvest

³ Seed oil content determined on an NMR machine and adjusted to 10% moisture.
Nu-Sun oils also adjusted for oil type.