

**NDSU Carrington Research Extension Center
2003 Variety Trial Data**

Oil Sunflower **Carrington (Page 1 of 2)**

--- Seed Yield ---

Brand	Hybrid	Oil Type	Neck Drop %	Plant Lodge 0-9	Plant Height inch	Days to Bloom	Days to PM ¹	Moist. @ Harvest %	Test Weight lb/bu	Oil Content @ 10% M %	2003 Yield lb/ac	3-yr. Avg.
USDA	894	Trad.	11	1.0	62.0	72.0	117.5	4.9	34.6	39.3	1641	--
Mycogen	270	Trad.	29	0.8	54.0	69.8	122.8	5.4	34.4	42.5	2425	--
Proseed	9405	NuSun	38	0.8	56.0	74.8	NA	6.3	31.9	43.3	1740	--
Proseed	9441	NuSun	14	0.8	58.0	74.0	120.3	5.4	32.2	42.7	2176	2098.7
Proseed	K-405	NuSun	31	1.0	60.0	73.5	121.5	6.1	32.8	36.3	1898	--
Proseed	CL-5515	NuSun	66	0.0	57.0	73.5	122.0	5.5	33.8	36.5	1847	--
Proseed	Exp 12	NuSun	9	0.3	62.0	73.8	122.8	5.4	32.2	43.8	1641	--
Proseed	Exp 14	NuSun	6	0.5	60.0	73.0	119.8	5.2	32.6	43.6	1783	--
Proseed	Exp 15	NuSun	11	0.0	60.0	72.5	118.3	5.0	32.4	44.3	2272	--
Proseed	Exp 39	NuSun	5	0.0	49.0	72.5	117.8	4.8	32.3	44.9	1709	--
Interstate Seed	F10106NS	NuSun	21	0.3	57.0	71.0	121.5	5.6	37.0	39.5	1793	--
Interstate Seed	Hysun 521	NuSun	30	0.3	57.0	70.0	123.8	6.0	33.9	41.4	2193	2010.7
Interstate Seed	F10002NS	NuSun	0	0.0	54.0	71.8	NA	7.0	33.6	39.2	2002	--
Interstate Seed	Hysun 525	NuSun	5	0.0	57.0	75.0	121.3	6.4	34.3	40.1	2187	--
Interstate Seed	Hysun 424	NuSun	25	1.3	59.0	74.8	119.3	5.2	33.0	42.8	1791	--
Interstate Seed	Hysun 450	NuSun	56	0.5	58.0	76.8	121.7	6.6	31.5	42.0	2212	2242.3
Interstate Seed	F10016NS	NuSun	58	0.0	53.0	73.0	NA	8.1	33.3	38.3	1857	--
Interstate Seed	F10022HO	High Oleic	0	0.0	57.0	73.3	124.3	5.5	35.4	43.0	2013	--
Interstate Seed	F10024HO	High Oleic	8	0.3	55.0	72.5	124.0	5.7	35.1	42.1	1674	--
Interstate Seed	HyOleic 120	High Oleic	6	0.3	63.0	72.0	NA	5.4	34.6	40.4	2136	--
Interstate Seed	6039	Trad.	1	0.0	57.0	71.5	121.7	6.0	35.0	42.0	2137	--
Interstate Seed	6521	Trad.	29	0.5	56.0	71.5	121.8	5.4	34.4	41.4	2019	--
Interstate Seed	4049	Trad.	16	1.8	61.0	75.0	122.3	4.8	33.4	42.4	2149	--
Interstate Seed	F10355	Trad.	44	1.0	58.0	76.0	124.3	6.3	32.6	42.2	2247	--
Mycogen Seeds	SF260	Trad.	14	1.0	54.0	73.0	119.0	4.6	33.8	44.6	2206	1913.3
Mycogen Seeds	SF187	Trad.	31	0.3	53.0	73.0	118.5	4.8	32.1	39.4	2220	--
Mycogen Seeds	8N327	NuSun	19	0.8	54.0	72.5	119.7	5.2	33.4	48.4	2173	--
Mycogen Seeds	8N421	NuSun	15	0.5	60.0	74.5	123.8	5.0	34.0	45.4	2283	--
Mycogen Seeds	8377NS	NuSun	30	0.5	60.0	71.5	NA	5.6	33.1	44.6	1965	1946.3
Mycogen Seeds	X89910	NuSun	13	0.8	60.0	71.5	122.3	5.9	31.3	36.1	2357	--
Mycogen Seeds	X89915	NuSun	13	1.5	60.0	73.3	NA	5.5	32.0	38.4	2093	--
Legend Seeds	LSF115N	NuSun	0	0.0	48.0	69.5	120.5	4.9	33.8	37.9	1359	--
Legend Seeds	LSF117N	NuSun	61	0.0	52.0	70.8	NA	7.0	33.2	38.0	1804	2020.7
Legend Seeds	LSF119N	NuSun	48	0.8	56.0	73.5	123.0	6.6	33.3	35.0	1969	--
Legend Seeds	LSF126N	NuSun	45	0.0	54.0	74.0	124.0	7.6	34.2	36.9	1887	--
Legend Seeds	LX02	NuSun	63	0.5	56.0	75.3	124.3	6.6	33.3	41.3	1965	--
Croplan Genetics	308	NuSun	38	0.8	50.0	70.8	121.5	4.5	34.0	50.3	2132	--
Croplan Genetics	3080	NuSun	41	0.0	55.0	71.5	122.3	4.5	32.9	48.0	2359	--
Croplan Genetics	345	NuSun	48	0.3	56.0	71.3	NA	5.8	33.4	44.6	2060	1913.3
MEAN			25.5	0.5	56.5	72.8	122.0	5.6	33.4	42.0	2078	--
C.V. %			73.3	132	6.4	1.2	1.6	12.0	1.7	4.0	12.3	--
LSD .05			25.9	1.0	5.0	1.3	2.8	0.9	0.8	2.3	353	--

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Brand	Hybrid	Oil Type	Neck Drop %	Plant Lodge 0-9	Plant Height inch	Days to Bloom	Days to PM ¹	Moist. @ Harvest %	Test Weight lb/bu	Oil Content @ 10% M %	2003 Yield lb/ac	3-yr. Avg.
Seeds 2000	Ranger	NuSun	91	0.0	55.0	72.0	NA	6.3	33.5	42.2	2294	2147.7
Seeds 2000	Colonel	NuSun	26	1.3	57.0	73.5	120.5	5.3	30.7	38.4	2406	2340.0
Seeds 2000	Blazer	NuSun	91	0.3	52.0	73.5	123.0	6.0	33.6	45.8	2049	2201.0
Seeds 2000	Charger	NuSun	40	0.8	58.0	74.3	124.7	6.2	33.1	34.6	1895	--
Pioneer Hi-Bred	63M02	NuSun	28	0.5	55.0	68.5	118.0	4.5	35.3	47.3	2155	--
Pioneer Hi-Bred	63M52	NuSun	9	0.5	58.0	71.8	122.0	5.2	33.5	46.9	2398	--
Pioneer Hi-Bred	63M80	NuSun	5	0.0	58.0	72.3	NA	5.2	33.8	46.7	2231	2240.3
Pioneer Hi-Bred	EXP0301	NuSun	29	0.3	55.0	72.0	124.3	5.8	32.3	44.9	2283	--
Pioneer Hi-Bred	EXP0302	NuSun	5	1.0	56.0	72.3	122.0	5.3	34.4	42.3	2318	--
Dekalb	DKF33-33NS	NuSun	1	1.8	58.0	70.5	119.5	5.0	34.6	42.2	2039	--
Dekalb	DK3868	Trad.	1	0.0	54.0	73.0	121.8	4.9	35.4	43.7	2113	--
Dekalb	DK3875	Trad.	3	0.8	58.0	73.8	118.3	4.9	33.5	37.6	2300	--
Dekalb	DKF30-33NS	NuSun	25	0.8	57.0	72.8	NA	7.1	33.8	35.4	2051	--
Dekalb	EXP3880CL	Trad.	10	0.8	53.0	74.0	123.0	5.6	32.9	34.9	2108	--
Dekalb	EXP38-30NS	NuSun	46	0.0	56.0	75.3	NA	7.1	33.6	40.6	2352	--
Dekalb	EXP31-22NS	NuSun	26	0.5	58.0	75.0	121.5	5.0	33.6	47.8	2241	--
Triumph	620CL	NuSun	8	1.5	61.0	73.0	123.3	4.8	34.0	42.4	2301	--
Triumph	TRX3221	NuSun	65	1.8	41.0	75.3	123.0	4.2	35.2	48.9	1441	--
Triumph	TRX3343	NuSun	23	0.5	59.0	75.0	124.3	5.2	30.1	49.0	1972	--
Dahlgren	D-4421	NuSun	13	0.5	55.0	71.5	123.0	5.9	30.8	35.6	2380	--
Kaystar	8330NS	NuSun	6	0.0	56.0	74.5	121.5	6.4	34.3	39.6	2152	--
Kaystar	2015NS	NuSun	11	1.3	58.0	69.5	121.8	5.5	34.0	40.9	2237	--
Kaystar	8300	Trad.	5	0.5	59.0	70.5	122.5	5.0	32.0	42.9	2215	--
Kaystar	8303	Trad.	0	0.8	57.0	71.5	122.3	6.2	34.8	43.1	2250	--
Integra	INT432	Trad.	9	0.0	59.0	74.0	123.3	4.6	31.6	45.3	2106	--
Integra	INT434	Trad.	5	0.3	56.0	72.0	124.0	6.6	34.9	44.6	2269	--
Integra	INT550NS	NuSun	71	0.3	58.0	76.8	123.5	6.1	31.7	44.0	2254	--
Integra	INT541NS	NuSun	51	1.3	58.0	73.5	122.7	5.8	34.8	43.1	1783	--
Integra	INT536NS	NuSun	21	0.5	55.0	70.5	122.3	5.7	34.0	41.0	2223	--
Integra	INT552NS	NuSun	53	0.8	57.0	75.5	122.3	6.0	33.4	42.9	2517	--
Red River	RR 2010	NuSun	4	0.3	63.0	71.3	122.5	5.3	31.5	37.9	2285	--
Red River	RR 2011	NuSun	9	0.5	63.0	75.0	124.3	6.1	30.9	44.3	2156	--
MEAN			25.5	0.5	56.5	72.8	122.0	5.6	33.4	42.0	2078	--
C.V. %			73.3	132	6.4	1.2	1.6	12.0	1.7	4.0	12.3	--
LSD .05			25.9	1.0	5.0	1.3	2.8	0.9	0.8	2.3	353	--

Planting Date = May 28; Harvest Date = October 20 and 21 ; Previous Crop = Durum

¹: Hybrids with a physiological maturity noted as NA had not achieved full maturity on at least 3 replicates by September 30.