

**NDSU Carrington Research Extension Center
2005 Variety Trial Data**

Oil Sunflower **Carrington (Page 1 of 3)**

-- Seed Yield --

Brand	Hybrid	Oil Type	Neck	Plant	Plant	Days	Days	Moist.	Test	Oil	3-yr.	
			Drop	Lodge	Height	to	to	@		Content		
			%	0-9	inch	Bloom	PM	Harvest	Weight	10% M	Avg.	
								%	lb/bu	%	----- lb/ac -----	
USDA	894	Trad.Linoleic	4	0.0	66	71.0	114.8	11.3	32.7	42.5	1901	1617
Proseed	CL 41	NuSun	3	0.3	64	77.0	118.0	11.4	29.2	36.3	1842	--
Proseed	CL 42	NuSun	0	0.0	63	78.3	119.5	11.5	31.5	39.3	2079	--
Proseed	CL 43	NuSun	4	0.0	62	74.8	116.3	11.2	32.3	36.8	2001	--
Proseed	T-1	NuSun	0	0.3	62	73.3	119.5	11.5	30.5	45.3	2113	--
Proseed	T-4	NuSun	0	0.3	64	73.8	114.5	11.6	31.8	43.0	1921	--
Proseed	9441	NuSun	0	0.0	67	74.0	113.3	10.7	31.9	42.8	1860	1878
Proseed	9405	NuSun	6	0.3	60	73.8	119.0	12.3	31.9	42.7	1757	1639
Proseed	CL 55-15	NuSun	5	0.5	66	73.8	117.3	11.0	32.6	38.3	1474	1643
Proseed	E-1	High Oleic	0	0.5	70	72.3	115.8	11.4	30.0	39.2	2277	--
Proseed	A-1	NuSun	5	0.5	64	72.5	120.3	12.5	34.7	46.2	1964	--
Proseed	A-2	NuSun	0	0.8	67	74.0	119.0	12.7	34.1	41.9	1973	--
Proseed	A-3	NuSun	0	0.0	63	76.5	117.5	12.4	33.2	41.2	1973	--
Proseed	A-4	NuSun	1	0.0	69	75.8	123.0	13.7	30.4	43.2	1787	--
Dyna-Gro	91N05	NuSun	0	0.0	59	70.3	116.5	11.0	32.9	39.0	1880	--
Dyna-Gro	93N05	NuSun	0	0.0	58	70.0	117.0	11.5	32.5	39.7	1984	--
Dyna-Gro	93C05	NuSun	19	0.3	60	72.5	114.3	10.9	32.1	40.6	1558	--
Pioneer	63M80	NuSun	0	0.0	63	70.8	114.3	10.8	32.4	43.1	2544	2257
Pioneer	64H41	High Oleic	0	0.0	70	73.3	117.0	12.4	34.3	39.5	2374	--
Pioneer	64H45	High Oleic	3	0.0	70	74.3	117.8	12.1	33.6	38.9	1578	--
Pioneer	Exp 2405	NuSun	3	0.0	58	69.8	110.8	10.6	30.6	42.2	1833	--
Pioneer	Exp 2505	NuSun	0	0.8	59	71.8	112.8	11.2	32.1	39.9	2625	--
Seeds 2000	Defender Plus	NuSun	0	0.3	66	70.5	114.3	11.6	32.9	40.1	2229	--
Seeds 2000	Defender HO	High Oleic	4	0.3	66	70.5	113.8	11.0	32.9	37.5	1803	--
Seeds 2000	Colonel	NuSun	3	0.3	65	74.0	113.3	11.2	29.4	40.5	2212	2029
Seeds 2000	Blazer	NuSun	5	0.0	60	74.3	117.3	11.9	33.5	43.7	2234	1991
Seeds 2000	Barracuda	NuSun	4	0.5	62	74.8	116.3	11.5	33.7	43.7	2340	--
Seeds 2000	Sierra	High Oleic	0	0.0	60	76.5	121.5	12.5	30.0	40.1	2377	--
Seeds 2000	X6539	High Oleic	0	0.0	67	73.8	117.3	11.7	33.1	40.6	2123	--
Seeds 2000	Viper	NuSun	8	0.0	63	73.3	115.0	10.6	31.8	41.6	2098	--
Nidera S.A.	FN693	NuSun	0	0.5	66	74.8	118.0	11.0	32.4	44.2	1674	--
Advanta Pacific	AP541NS	NuSun	3	0.0	58	70.5	116.5	11.9	32.5	41.4	2315	--
Advanta Pacific	AP534NS/CL	NuSun	0	0.0	64	76.0	121.5	12.8	32.2	40.5	2572	--
Advanta Pacific	AP532 HO	High Oleic	3	0.3	65	74.3	119.3	12.7	34.4	41.2	2178	--
Pannar Seeds	PEX 2424	NuSun	0	0.3	66	74.5	120.8	13.1	31.2	42.2	2376	--
Dahlgren	D0-4421	NuSun	0	0.3	68	70.5	118.8	12.7	31.2	37.1	2363	2196
Dahlgren	D0-4440	NuSun	0	0.3	61	69.8	117.8	11.4	32.6	40.4	2432	--
Dahlgren	D0-4455CL	NuSun	0	0.0	67	75.0	120.8	11.8	32.5	40.6	2314	--
Dekalb	DKF 30-33NS	NuSun	0	0.8	66	72.5	118.8	12.4	33.0	38.8	2205	1975
Dekalb	MH4331B	NuSun	0	0.3	60	74.0	117.3	11.4	33.5	42.7	2904	--
Dekalb	MH4435	NuSun	10	1.3	61	74.8	115.8	11.7	32.5	43.3	2176	--
Dekalb	MH4436	NuSun	0	1.0	65	73.0	113.5	11.1	34.1	44.3	2550	--
MEAN			2.1	0.2	63.7	72.8	117	11.5	32.5	41.7	2122	--
C.V. %			217	209	6.2	1.1	1.8	5.6	1.7	2.5	14.5	--
LSD .05			6	NS	5.5	1.1	2.9	0.9	0.8	1.4	407	--

Planting Date = May 23; Harvest Date = October 25 ; Previous Crop = Flax

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-- Seed Yield --

Brand	Hybrid	Oil Type	Neck	Plant	Plant	Days	Days	Moist.	Test	Oil	3-yr.	
			Drop	Lodge	Height	to	to	@		Content		
			%	0-9	inch	Bloom	PM	Harvest	Weight	10% M	2005	Avg.
			----- lb/ac -----									
Dekalb	DKF 35-10NS	NuSun	0	0.0	65	72.3	117.0	11.8	33.4	39.8	2328	--
Dekalb	DKF 38-30	NuSun	0	0.0	66	75.8	120.5	12.2	33.9	43.6	2346	1947
Dekalb	DKF 33-33 NS	NuSun	4	0.3	66	70.8	113.5	11.1	33.7	40.9	2563	2124
Dekalb	DKF 38-80CL	NuSun	0	0.0	60	73.8	114.8	11.1	30.9	40.1	2215	1987
Dekalb	MH5330	NuSun	0	0.3	74	72.5	117.5	12.2	33.6	43.0	1969	--
Dekalb	MH5434	NuSun	0	0.5	68	75.3	119.3	11.9	32.8	45.5	2629	--
Croplan Genetics	3080DMR, NS	NuSun	0	0.0	64	70.8	111.0	10.6	31.2	44.2	2282	--
Croplan Genetics	308NS	NuSun	6	0.0	62	70.8	114.5	11.0	32.9	45.6	2146	1876
Croplan Genetics	340 HO	High Oleic	13	0.3	70	72.8	116.3	11.4	30.7	39.6	2195	--
Croplan Genetics	378 DMR, HO	High Oleic	9	0.8	65	71.8	118.3	11.7	31.4	41.8	2122	--
Croplan Genetics	343 DMR, HO	High Oleic	0	0.3	64	72.5	116.8	11.6	32.9	38.3	1822	--
Triumph Seed	820HO	High Oleic	3	0.3	67	71.0	113.0	10.7	34.6	44.2	1613	--
Triumph Seed	TRX 3241	NuSun	5	0.5	62	69.8	112.8	10.5	33.2	44.9	1859	--
Triumph Seed	TRX4240	NuSun	1	0.3	69	73.8	114.8	10.8	32.3	42.9	1643	--
Triumph Seed	TRX 3249	NuSun	0	0.3	64	70.5	113.3	10.4	33.5	44.0	1723	--
Triumph Seed	S672	NuSun	1	0.0	44	75.0	118.5	11.2	33.7	46.4	2046	--
Triumph Seed	TRXS4448	NuSun	1	0.3	52	76.8	122.8	12.9	34.7	44.7	1741	--
Triumph Seed	620CL	NuSun	3	0.3	67	74.0	117.3	11.2	32.4	41.1	1871	1876
HyTest	HTF 24N40	NuSun	4	0.3	65	71.0	111.0	10.3	30.7	44.0	2016	--
HyTest	HTF 26N42	NuSun	0	0.0	68	72.0	115.5	11.8	32.9	43.2	2201	--
HyTest	HTF 28C44	NuSun	0	0.3	66	72.5	117.3	11.0	32.1	38.8	1558	--
HyTest	HTF 27043	High Oleic	8	0.0	63	72.5	116.0	10.8	31.6	38.8	2140	--
Kaystar Seed	8330NS	NuSun	1	0.0	62	73.0	114.8	11.4	32.2	39.8	2192	1886
Kaystar Seed	8550NS/CL	NuSun	3	0.5	67	74.0	117.3	11.2	31.8	40.2	2077	--
Kaystar Seed	9404	Trad.Linoleic	3	0.3	64	71.8	112.8	10.6	31.2	39.4	2158	--
Scherr's Seed LLC	629	NuSun	3	0.3	64	72.8	117.5	11.3	32.3	40.0	1984	--
Scherr's Seed LLC	630	NuSun	0	0.0	69	75.0	119.0	12.4	31.1	40.0	2380	--
Scherr's Seed LLC	674	NuSun	1	0.3	56	73.5	115.8	11.1	33.6	43.3	1948	--
Interstate Seed	IS Hysun 521	NuSun	3	0.3	63	70.0	116.8	12.2	32.2	40.0	2242	2072
Interstate Seed	IS Hysun 525	NuSun	0	0.3	62	74.3	115.5	11.6	32.1	39.2	2278	2016
Interstate Seed	IS Hysun 511	NuSun	0	0.0	59	70.0	114.0	11.2	32.8	40.2	1662	--
Interstate Seed	IS 4704NS	NuSun	0	0.0	58	70.0	114.3	11.1	32.7	40.6	2236	--
Interstate Seed	IS 4540NS	NuSun	5	0.3	56	70.0	115.3	11.3	33.9	42.4	1979	--
Interstate Seed	IS 4575NS/CL	NuSun	10	0.0	61	72.5	116.3	10.8	31.5	41.0	2127	--
Interstate Seed	IS 6111	Trad.Linoleic	11	0.5	61	70.8	114.0	11.4	33.4	37.9	1966	--
Interstate Seed	IS 6521	Trad.Linoleic	10	0.3	63	70.8	113.5	10.6	33.2	41.2	2358	2010
Interstate Seed	IS HyOleic 120	High Oleic	0	0.3	65	73.3	120.3	12.3	32.6	39.7	1592	1528
Interstate Seed	IS F100046	High Oleic	3	0.0	65	74.5	118.3	12.4	34.8	41.5	1978	--
Interstate Seed	IS F10003	NuSun	0	0.0	62	70.3	117.0	11.5	32.7	40.8	2291	--
Interstate Seed	IS F10016	NuSun	0	0.3	59	70.3	117.8	11.8	32.4	43.0	2329	
Interstate Seed	IS EX8888 CL	NuSun	0	0.3	67	75.5	120.0	11.2	32.5	40.9	2299	
Mycogen	8N429CL		0	0.3	67	73.3	121.0	12.6	31.6	40.8	2186	
MEAN			2.1	0.2	63.7	72.8	117	11.5	32.5	41.7	2122	--
C.V. %			217	209	6.2	1.1	1.8	5.6	1.7	2.5	14.5	--
LSD .05			6	NS	5.5	1.1	2.9	0.9	0.8	1.4	407	--

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Oil Sunflower **Carrington (Page 3 of 3)**

-- Seed Yield --

Brand	Hybrid	Oil Type	Neck	Plant	Plant	Days	Days	Moist.	Test	Oil	3-yr.	
			Drop	Lodge	Height	to	to	@		Content		
			%	0-9	inch	Bloom	PM	Harvest	Weight	%	2005	Avg.
			----- lb/ac -----									
Mycogen	E84352		3	0.5	62	72.8	114.8	10.5	31.9	45.2	2136	
Triumph	660CL		0	0.3	66	76.3	120.8	12.7	31.5	41.0	2081	
Advanta	F10125		0	0.8	69	75.3	119.0	11.4	32.6	37.9	2062	--
Garst	02TH03896	NuSun	0	0.0	68	72.3	115.8	12.1	34.1	43.2	2415	--
Garst	03TH004205	NuSun	0	0.0	68	72.3	114.8	11.0	32.8	41.2	2459	--
Garst	03TH004251	NuSun	0	0.3	65	73.8	117.5	11.7	31.3	43.0	2679	--
Integra	INT 432	Trad Dehull	0	0.3	60	72.3	112.5	10.4	31.1	42.2	2367	2088
Integra	INT 536 NS	NuSun	0	0.0	62	70.3	116.3	11.9	33.0	39.5	2102	2032
Integra	INT 735 NSCL	NuSun	13	0.0	64	71.5	115.8	10.9	31.9	41.2	2162	--
Integra	INT 552 NS	NuSun	0	0.0	66	75.3	115.8	11.0	31.7	41.8	2178	2116
Integra	INT 738 NSCL	NuSun	3	0.5	63	72.5	117.5	11.4	31.9	39.5	2025	--
Mycogen Seeds	8N251	NuSun	5	0.0	64	70.3	116.3	11.3	33.1	44.6	2254	--
Mycogen Seeds	8H288 DM	High Oleic	0	0.3	63	70.3	113.5	11.0	33.3	43.4	2069	--
Mycogen Seeds	8N272	NuSun	1	0.0	59	69.5	112.0	10.7	33.0	42.1	2023	--
Mycogen Seeds	SF270	Trad.Linoleic	0	0.0	57	69.5	111.3	10.7	33.4	40.1	2047	--
Mycogen Seeds	8D310	NuSun	0	0.0	64	70.3	117.3	12.1	32.0	37.6	2391	--
Mycogen Seeds	8H350 DM	High Oleic	0	0.3	69	71.8	113.3	10.8	32.2	43.7	1983	--
Mycogen Seeds	8N386 CL	NuSun	0	0.0	64	73.8	119.0	11.3	32.4	41.7	2152	--
Mycogen Seeds	8N419 CL	High Oleic	1	0.0	64	75.3	117.5	11.0	31.5	39.9	2263	--
Mycogen Seeds	8N352	NuSun	0	0.5	62	73.0	116.5	11.5	34.3	45.4	2532	--
Mycogen Seeds	8N453 DM	NuSun	0	0.3	66	73.8	119.8	13.0	34.2	45.9	2620	--
MEAN			2.1	0.2	63.7	72.8	117	11.5	32.5	41.7	2122	--
C.V. %			217	209	6.2	1.1	1.8	5.6	1.7	2.5	14.5	--
LSD .05			6	NS	5.5	1.1	2.9	0.9	0.8	1.4	407	--

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