

**NDSU Carrington Research Extension Center
2017 Variety Trial Data**

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

Brand	Hybrid	Hybrid		Plant Ht. inch	Plant Lodge 0 to 9	Days to Bloom	Days to PM	Moist. at Harvest %	Test Weight lb/bu	Oil Content ³ %	----- Seed Yield -----		
		Type ¹	Tech Trait ²								2017	2-yr. Avg. lb/ac	3-yr. Avg.
USDA	894	Check Hybrid		54.6	1.0	68.0	125.0	9.6	30.2	39.6	1633	1616	1542
Croplan	559 CL	Check Hybrid		61.2	0.5	71.0	128.5	8.9	31.5	44.2	2762	2208	2099
Mycogen Seeds	8N270CLDM	Check Hybrid		53.5	0.8	67.0	123.3	8.5	30.5	43.9	1911	1876	1808
USDA	Honeycomb N	Check Hybrid		50.0	0.5	64.0	124.3	9.0	30.0	40.9	1858	1440	1348
Croplan	3732	NuSun	NA	59.3	0.8	71.5	126.8	9.6	31.6	47.5	2234	--	--
Croplan	3845 HO	HO	NA	55.2	1.0	71.3	127.3	8.9	31.4	47.8	2050	--	--
Croplan	432 E	HO	Clearfield	60.9	0.3	66.5	124.5	9.4	31.5	39.8	2844	2151	2072
Croplan	450 E HO	HO	ExpressSun	63.0	1.0	70.8	128.5	9.9	29.8	40.9	2052	--	--
Croplan	455 E HO	HO	ExpressSun	64.3	1.0	69.5	128.0	9.7	30.9	42.7	2232	2068	--
Croplan	458 E HO	HO	ExpressSun	65.5	1.0	69.3	127.5	9.8	29.8	43.8	2285	1942	1877
Croplan	545 CL	NuSun	Clearfield	57.9	0.8	72.5	129.5	9.9	30.9	45.9	2547	2229	2100
Croplan	549 CL	NuSun	Clearfield	66.2	0.0	67.8	123.3	8.8	32.2	46.3	2700	2109	2025
Croplan	568 CL HO	HO	Clearfield	57.1	0.8	74.5	131.5	9.9	30.1	45.3	2313	--	--
Croplan	7717 CL HO	HO	Clearfield	59.3	1.3	69.5	126.8	8.6	31.1	44.4	1917	--	--
Croplan	7919 CL HO	HO	Clearfield	59.0	1.0	73.3	129.8	9.7	30.3	45.8	2500	--	--
Dyna-Gro	XH71H11CL	HO	Clearfield	55.3	0.8	67.5	124.5	8.8	31.7	44.0	1929	--	--
Dyna-Gro	XH71N33CL	NuSun	Clearfield	55.1	1.3	67.5	124.5	8.2	32.8	47.9	1792	--	--
Dyna-Gro	XH72H38CL	HO	Clearfield	58.4	1.3	70.3	127.3	9.2	30.7	47.3	2496	--	--
Dyna-Gro	XH72H47CL	HO	Clearfield	60.2	1.3	72.3	128.0	8.9	30.0	48.2	1769	--	--
Dyna-Gro	XH72H61CL	HO	Clearfield	54.1	1.3	68.5	124.5	8.8	31.4	47.7	1840	--	--
Mycogen Seeds	8D310CL	NuSun	Clearfield	62.6	1.0	72.3	127.0	11.0	26.9	36.9	1934	2011	2025
Mycogen Seeds	8H449CLDM	HO	Clearfield	60.8	1.3	71.3	129.0	9.5	33.5	49.2	2477	2135	2158
Mycogen Seeds	8H456CL	HO	Clearfield	66.7	1.3	73.3	128.3	9.2	29.7	49.4	1749	--	--
MEAN				60.9	1.0	70.4	126.7	9.4	30.4		2093	--	--
C.V. (%)				8.1	61.5	1.4	1.7	5.7	2.3		15.0	--	--
LSD 0.10				5.7	0.7	1.1	2.5	0.6	0.8		364	--	--
LSD 0.05				6.8	0.9	1.3	2.9	0.7	1.0		434	--	--

Planting Date = May 25 ; Harvest Date = November 2 ; Previous Crop = Field Pea

**NDSU Carrington Research Extension Center
2017 Variety Trial Data**

Oil Sunflower **Carrington (Page 2 of 3)**

Brand	Hybrid	Hybrid Type ¹	Tech Trait ²	Plant Ht. inch	Plant Lodge 0 to 9	Days to Bloom	Days to PM	Moist. at Harvest %	Test Weight lb/bu	Oil Content ³ %	----- Seed Yield -----		
											2017	2-yr. Avg. lb/ac	3-yr. Avg.
Mycogen Seeds	E76437	HO	Clearfield	71.7	1.0	78.0	130.0	10.5	29.9	45.7	2125	--	--
Nuseed	Badger DMR	NuSun	Clearfield	62.8	1.5	66.8	123.5	9.9	29.9	37.6	2622	2164	2140
Nuseed	Camaro II	NuSun	Clearfield	56.7	0.5	69.8	125.8	9.2	30.7	47.4	2133	1898	1972
Nuseed	Falcon	NuSun	ExpressSun	60.4	1.3	70.3	126.3	9.1	31.8	44.8	1376	1449	1636
Nuseed	Hornet	HO	Clearfield	62.1	1.0	71.5	126.0	9.9	29.2	44.8	2319	1970	1850
Nuseed	N4HM340	HO	Clearfield	59.7	0.8	74.3	128.5	9.0	25.9	39.6	1800	--	--
Nuseed	N4HM354	NuSun	Clearfield	55.9	1.8	68.0	124.0	8.6	32.7	46.5	1774	1754	--
Nuseed	N4HP470	HO	Clearfield Plus	69.0	1.8	73.3	129.3	9.5	30.6	47.2	2262	--	--
Nuseed	N5LM307	NuSun	Clearfield	56.7	1.3	66.8	123.5	9.9	26.9	40.9	1644	1641	--
Nuseed	N4HE302	HO	ExpressSun	64.6	1.0	69.5	126.0	9.5	28.6	44.0	2443	--	--
Nutech	63C4 CL	NuSun	Clearfield	55.6	2.0	68.0	125.0	8.6	32.6	46.9	2148	1924	--
Nutech	68H7	HO	ExpressSun	64.2	1.5	71.8	127.5	9.8	31.5	40.1	1624	1787	1704
Nutech	69M2	NuSun	ExpressSun	63.0	1.8	72.5	127.8	9.5	30.2	44.9	2312	--	--
Pioneer	P63HE60	HO	ExpressSun	58.2	0.3	69.0	125.0	9.2	31.1	43.1	2110	1835	--
Pioneer	P63HE90	HO	ExpressSun	64.5	1.0	72.3	129.3	9.9	30.1	42.5	2285	2113	--
Pioneer	P64ME01	NuSun	ExpressSun	64.0	1.0	72.3	129.5	10.7	30.9	43.2	2322	2116	--
Proseed	12G25 CL	NuSun	Clearfield	59.8	1.3	72.0	126.0	9.8	31.8	46.8	2192	1923	--
Proseed	E 50016 CL	NuSun	Clearfield	64.2	1.0	72.0	127.0	9.1	29.6	44.5	2328	--	--
Proseed	E-21 CL	NuSun	Clearfield	69.1	1.5	72.0	127.8	9.8	28.3	38.1	1770	--	--
Proseed	E-31 CL	NuSun	Clearfield	66.1	1.3	72.0	128.8	10.2	27.8	40.2	2054	1794	1616
Proseed	E-362436	NuSun	Clearfield	68.0	1.0	69.8	125.5	9.2	32.5	43.8	2414	--	--
Proseed	E-71 CL	NuSun	Clearfield	64.7	0.8	71.8	128.3	9.8	26.8	38.6	2193	--	--
Proseed	E-72	NuSun	N/A	71.0	1.0	74.0	130.3	9.8	29.4	44.2	1909	--	--
MEAN				60.9	1.0	70.4	126.7	9.4	30.4		2093	--	--
C.V. (%)				8.1	61.5	1.4	1.7	5.7	2.3		15.0	--	--
LSD 0.10				5.7	0.7	1.1	2.5	0.6	0.8		364	--	--
LSD 0.05				6.8	0.9	1.3	2.9	0.7	1.0		434	--	--

Planting Date = May 25 ; Harvest Date = November 2 ; Previous Crop = Field Pea

**NDSU Carrington Research Extension Center
2017 Variety Trial Data**

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

Brand	Hybrid	Hybrid Type ¹	Tech Trait ²	Plant Ht. inch	Plant Lodge 0 to 9	Days to Bloom	Days to PM	Moist. at Harvest %	Test Weight lb/bu	Oil Content ³ %	----- Seed Yield -----		
											2017	2-yr. Avg. lb/ac	3-yr. Avg.
Proseed	E-73 CL	NuSun	Clearfield	68.2	1.3	72.5	127.0	9.8	27.5	39.2	2312	--	--
Sunopta	4415HO/CLP/1	Traditional	Clearfield Plus	61.8	1.3	70.0	124.5	8.8	29.8	43.7	1924	1807	1617
Sunopta	4421 CL	Traditional	Clearfield	62.8	1.3	72.3	127.8	10.5	27.8	35.0	1805	1917	1901
Sunopta	4425 CL	Traditional	Clearfield	62.0	0.5	70.0	126.8	9.9	29.8	39.6	2267	2268	--
Thunder Seed	11N94	NuSun	Clearfield	64.1	0.8	70.8	126.5	9.1	31.6	45.3	2127	1833	1798
Thunder Seed	12N92	NuSun	Clearfield	56.3	1.3	68.3	125.0	8.5	32.7	47.4	1961	--	--
Thunder Seed	35H92	HO	Clearfield	58.2	1.0	68.8	125.0	8.9	31.6	43.7	1617	1391	1401
Thunder Seed	42H94	HO	Clearfield	63.8	1.3	73.0	128.5	8.8	29.3	44.7	1745	1800	1706
MEAN				60.9	1.0	70.4	126.7	9.4	30.4	43.8	2093	--	--
C.V. (%)				8.1	61.5	1.4	1.7	5.7	2.3	3.4	15.0	--	--
LSD 0.10				5.7	0.7	1.1	2.5	0.6	0.8	1.7	364	--	--
LSD 0.05				6.8	0.9	1.3	2.9	0.7	1.0	2.1	434	--	--

Planting Date = May 25 ; Harvest Date = November 2 ; Previous Crop = Field Pea

¹ Oil Type: HO = High Oleic, NS = NuSun, Trad = Traditional.

² Hybrid detail as provided by seed company.

³ Oils reported at 10% moisture.