

**NDSU Carrington Research Extension Center
2016 Variety Trial Data**

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

Brand	Hybrid ¹	Hybrid Type ²	Tech Trait	Plant Ht. inch	Days to Bloom	Days to PM	Moist. at Harvest %	Test Weight lb/bu	Oil Content ³ %	----- Seed Yield -----		
										2016	2-yr. Avg. lb/ac	3-yr. Avg.
Croplan	432 E	NuSun	ExpressSun	63.0	66.0	124.8	6.9	32.3	40.8	1458	1686	1937
Croplan	455 E HO	HO	ExpressSun	63.0	68.8	129.5	7.9	32.4	42.1	1905	--	--
Croplan	458 E HO	HO	ExpressSun	68.4	68.8	130.8	7.9	29.7	40.1	1600	1673	1676
Croplan	545 CL	NuSun	Clearfield	58.6	70.5	130.0	8.3	31.4	43.1	1911	1876	1918
Croplan	549 CL HO	HO	Clearfield	68.4	66.8	121.8	6.1	32.6	40.9	1518	1687	--
Croplan	553 CL HO	HO	Clearfield	62.5	72.3	126.3	8.0	28.9	42.9	1518	1624	--
Mycogen Seeds	8D310CL	NuSun	Clearfield	62.0	71.5	130.5	7.4	29.4	36.0	2088	2071	2166
Mycogen Seeds	8H449CLDM	HO	Clearfield	58.6	69.3	130.5	8.3	34.4	47.3	1793	1999	2155
Mycogen Seeds	MY8H456CL	HO	Clearfield	65.0	70.5	129.0	8.1	25.3	45.7	1428	1545	--
Nuseed	Badger DMR	NuSun	Clearfield	62.0	67.0	122.8	8.1	30.1	36.8	1707	1898	2046
Nuseed	Camaro II	NuSun	Clearfield	61.5	67.3	126.0	7.9	32.5	45.4	1663	1891	2065
Nuseed	Cobalt II	HO	Clearfield	58.1	66.3	123.3	7.7	30.9	41.3	1170	1335	1506
Nuseed	Falcon	NuSun	ExpressSun	60.0	69.5	127.8	6.9	33.8	46.3	1523	1766	1854
Nuseed	Hornet	HO	Clearfield	60.5	70.0	123.3	7.8	30.2	44.4	1620	1616	1704
Nuseed	N4HM354	HO	Clearfield	58.6	66.3	121.5	6.4	33.5	43.7	1734	--	--
Nuseed	N4HM521	HO	Clearfield	54.1	70.8	130.8	8.5	31.5	45.5	1649	--	--
Nuseed	N5LM307	NuSun	Clearfield	58.1	66.5	128.5	7.6	27.7	40.3	1638	--	--
Nuseed	Talon	NuSun	ExpressSun	66.4	67.0	121.3	8.8	26.2	41.2	1346	1613	1693
NuTech	63C4	NuSun	Clearfield	56.6	66.3	122.0	6.2	32.2	46.0	1700	--	--
NuTech	68H7	HO	ExpressSun	62.5	69.5	133.3	7.7	32.9	38.6	1950	1743	--
Pioneer	P63HE60	HO	ExpressSun	60.5	67.0	126.3	7.1	30.8	42.4	1561	--	--
Pioneer	P63HE90	HO	ExpressSun	63.0	68.5	122.0	8.1	30.9	41.8	1942	--	--
Pioneer	P64ME01	NuSun	ExpressSun	65.9	70.0	132.8	9.1	30.7	42.2	1909	--	--
Proseed	12G04	NuSun	None	60.0	70.0	125.0	5.8	30.1	45.4	1680	--	--
MEAN				60.5	68.5	125.8	7.7	30.0	42.1	1673	--	--
C.V. (%)				6.9	1.6	3.1	15.8	9.5	5.0	15.2	--	--
LSD 0.10				4.9	1.2	4.6	1.4	3.3	2.4	297	--	--
LSD 0.05				5.8	1.5	5.4	1.7	4.0	2.9	355	--	--

Planting Date = May 27 ; Harvest Date = November 9 ; Previous Crop = Corn

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Brand	Hybrid ¹	Hybrid Type ²	Tech Trait	Plant Ht. inch	Days to Bloom	Days to PM	Moist. at Harvest %	Test Weight lb/bu	Oil Content ³ %	----- Seed Yield -----		
										2016	2-yr. Avg. lb/ac	3-yr. Avg.
Proseed	12G25	NuSun	Clearfield	59.6	69.5	125.5	7.5	32.5	47.3	1653	--	--
Proseed	E-31 CL	NuSun	Clearfield	62.0	69.8	126.3	7.3	28.6	37.8	1534	1397	1629
Proseed	E-50061 CL	NuSun	Clearfield	64.0	68.5	127.0	8.2	26.8	42.5	1699	--	--
SunOpta	4415HO/CLP/DM	HO	Clearfield Plus	63.5	69.5	124.0	8.4	28.4	42.0	1689	1463	--
SunOpta	4421CL	NuSun	Clearfield	68.9	71.0	127.8	8.2	28.0	35.4	2028	1948	--
SunOpta	4425CL	NuSun	Clearfield	64.5	69.5	130.3	6.8	30.6	40.5	2269	--	--
SunOpta	EX21	NuSun	Clearfield	61.5	71.8	127.8	10.0	26.6	34.7	1688	--	--
SunOpta	EX25	NuSun	Clearfield	65.5	70.0	130.8	7.6	29.9	40.2	2484	--	--
Syngenta	NX64189	HO	Clearfield	60.0	68.5	119.3	7.6	29.5	44.3	1713	--	--
Syngenta	NX64288	HO	Clearfield	56.1	70.0	121.0	8.0	25.6	46.6	1301	--	--
CROPLAN	7717 CL HO	HO	Clearfield	60.0	67.8	120.3	7.7	32.2	40.6	1783	1448	1726
CROPLAN	7919 CL HO	HO	Clearfield	57.1	71.5	130.5	8.1	30.3	43.7	1795	--	--
Thunder	11N94	NuSun	Clearfield	59.1	68.5	125.3	8.1	31.7	44.6	1539	1633	--
Thunder	12H92	HO	Clearfield	57.6	66.3	120.3	7.2	29.0	44.3	1438	--	--
Thunder	19N94	HO	Clearfield	59.5	69.0	129.5	7.1	30.8	39.6	1536	--	--
Thunder	35H92	HO	Clearfield	51.7	66.3	122.3	7.9	23.6	39.2	1165	1293	--
Thunder	42H94	HO	Clearfield	55.6	70.5	124.3	8.6	29.5	43.2	1854	1686	--
USDA	894	Trad.	Check Hybrid	56.6	66.8	121.0	7.0	30.6	40.9	1600	1497	--
CROPLAN	559CL	NA	Check Hybrid	62.0	70.5	126.5	8.1	29.1	41.1	1653	1767	--
Mycogen Seeds	8N270CLDM	NuSun	Check Hybrid	53.4	65.3	118.0	7.0	31.2	44.5	1842	1756	--
Nuseed	Falcon	NuSun	Check Hybrid	58.1	68.8	126.3	7.7	33.4	41.8	1684	1905	--
USDA	Honeycomb NS	NuSun	2016 Early Chec	49.7	57.8	123.8	8.1	22.6	39.2	1022	1093	--
MEAN				60.5	68.5	125.8	7.7	30.0	42.1	1673	--	--
C.V. (%)				6.9	1.6	3.1	15.8	9.5	5.0	15.2	--	--
LSD 0.10				4.9	1.2	4.6	1.4	3.3	2.4	297	--	--
LSD 0.05				5.8	1.5	5.4	1.7	4.0	2.9	355	--	--

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¹ Hybrid detail as provided by seed company.

² Oil Type: HO = High Oleic, NS = NuSun, Trad = Traditional.

³ Oils reported at 10% moisture.