

**NDSU Carrington Research Extension Center
2015 Variety Trial Data**

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

Brand	Hybrid	Hybrid Type ¹	Tech Trait ²	Plant Ht. inch	Days to Bloom	Days to PM	Moist. at Harvest %	Test Weight lb/bu	Oil Content ³ %	----- Seed Yield -----		
										2015	2-yr. Avg. lb/ac	3-yr. Avg.
CROPLAN	432 E	Trad	ExpressSun	62.4	63.5	106.8	10.4	31.7	41.4	1914	2176	2088
CROPLAN	458 E HO	HO	ExpressSun	62.4	67.3	113.0	10.6	28.8	42.5	1746	1715	--
CROPLAN	545 CL	NuSun	Clearfield	57.5	68.5	111.5	11.0	30.9	44.3	1841	1922	--
CROPLAN	549 CL HO	HO	Clearfield	63.4	64.0	105.8	10.3	31.6	42.5	1855	--	--
CROPLAN	553 CL HO	HO	Clearfield	57.7	70.0	109.5	11.0	29.1	44.8	1729	--	--
Genosys	12G04	HO	N/A	62.0	68.3	111.0	10.1	31.8	46.2	2167	--	--
Genosys	12G20	HO	Clearfield	57.5	66.0	105.5	10.5	31.2	41.4	1944	1979	1803
Genosys	12G25	HO	Clearfield	61.4	67.5	110.8	10.1	33.6	46.5	2203	2197	--
Genosys	12G28	HO	N/A	63.6	68.8	110.5	10.5	32.3	41.2	1880	--	--
Mycogen Seeds	8D310CL	NuSun	Clearfield	63.2	68.5	113.5	10.4	28.9	39.5	2053	2204	2060
Mycogen Seeds	8H449CLDM	HO	Clearfield	59.6	68.8	110.5	10.8	33.3	47.8	2205	2336	2112
Mycogen Seeds	8H456CL	HO	Clearfield	61.2	69.3	110.8	10.8	30.2	46.3	1662	--	--
Mycogen Seeds	8H570SCL	HO	Clearfield	48.2	70.3	120.5	10.7	34.2	45.6	1691	--	--
Mycogen Seeds	8N358CLDM	NuSun	Clearfield	59.3	64.5	108.3	10.7	31.5	47.3	1360	1647	1564
Nuseed	Badger DMR	NuSun	Clearfield	60.6	63.5	108.8	9.7	29.7	36.4	2090	2216	1972
Nuseed	Camaro II	NuSun	Clearfield	59.4	66.0	108.0	10.9	31.9	44.5	2120	2266	2130
Nuseed	Cobalt II	HO	Clearfield	57.1	65.0	109.0	10.5	32.0	41.8	1500	1674	1567
Nuseed	Falcon	NuSun	ExpressSun	56.7	67.0	108.5	10.2	33.0	43.9	2009	2020	1955
Nuseed	Hornet	HO	Clearfield	57.9	68.5	108.0	10.9	29.3	44.2	1611	1745	1687
Nuseed	NHK12M054	HO	Clearfield	57.7	64.0	107.8	10.3	32.7	42.9	1710	1966	--
Nuseed	NHK12M055	HO	Clearfield	57.7	64.5	107.8	10.5	32.0	43.5	2042	--	--
Nuseed	NHK12M507	NuSun	Clearfield	57.9	64.0	108.5	9.9	27.9	37.3	1491	--	--
Nuseed	Talon	HO	ExpressSun	61.4	64.8	106.8	10.4	28.5	40.8	1881	1866	--
MEAN				59.8	66.6	109.0	10.4	31.0	42.3	1691	--	--
C.V. (%)				5.2	1.1	1.8	4.5	2.4	2.8	13.2	--	--
LSD 0.10				3.7	0.9	2.3	0.5	0.9	1.4	259	--	--
LSD 0.05				4.4	1.1	2.7	0.6	1.0	1.6	309	--	--

Planting Date = June 3 ; Harvest Date = November 3 ; Previous Crop = Spring Wheat

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Brand	Hybrid	Hybrid Type ¹	Tech Trait ²	Plant Ht. inch	Days to Bloom	Days to PM	Moist. at Harvest %	Test Weight lb/bu	Oil Content ³ %	----- Seed Yield -----		
										2015	2-yr. Avg. lb/ac	3-yr. Avg.
NuTech	68H7	HO	ExpressSun	63.6	67.5	114.0	11.3	31.9	41.9	1537	--	--
NuTech	69M2	HO	ExpressSun	61.8	68.3	112.8	11.2	30.8	42.8	1547	--	--
Proseed	E-1402 CL	HO	Clearfield	59.3	68.0	107.5	9.8	29.0	38.0	1435	--	--
Proseed	E-21CL	HO	Clearfield	61.6	67.3	108.3	9.5	30.6	38.5	1246	1558	1556
Proseed	E-31051 CL	HO	Clearfield	64.6	66.5	109.0	10.3	31.4	39.0	1308	--	--
Proseed	E-31CL	HO	Clearfield	60.8	68.3	107.3	9.8	29.5	38.2	1261	1676	1692
Proseed	E-362436	HO	N/A	61.2	65.3	107.3	10.7	32.6	42.0	1349	2031	1906
Proseed	E-53051 CL	HO	Clearfield	62.8	64.3	112.0	10.0	31.1	40.1	1613	--	--
Proseed	E-79051 CL	HO	Clearfield	58.7	68.3	112.3	9.1	28.9	38.1	1481	--	--
Proseed	E-85CL	HO	Clearfield	64.0	67.3	108.5	9.8	29.4	40.9	1508	1879	1821
SunOpta	4415H0/CLP/DM	HO	Clearfield	58.1	68.0	108.0	10.5	31.1	41.8	1238	--	--
SunOpta	4416CLEX	Trad	Clearfield	64.4	67.5	112.3	10.3	31.0	39.1	1786	--	--
SunOpta	4421CL	HO	Clearfield	65.0	67.5	110.5	10.5	28.7	36.9	1869	--	--
CROPLAN	3495 CL	NuSun	Clearfield	63.7	67.3	107.0	10.4	33.1	42.9	1694	1995	--
CROPLAN	3845 HO	HO	Other	57.5	66.3	107.8	10.1	32.7	45.1	1882	--	--
CROPLAN	7111 CL HO	HO	Clearfield	57.9	62.8	104.8	10.2	31.5	38.5	1467	1711	1602
CROPLAN	7717 CL HO	HO	Clearfield	60.2	65.0	107.5	9.8	31.8	42.9	1113	1698	--
Thunder Seed	11N94	NuSun	Clearfield	57.7	67.0	105.5	11.3	32.1	46.1	1727	--	--
Thunder Seed	35H92	HO	Clearfield	55.3	65.0	107.5	10.4	31.4	43.1	1421	--	--
Thunder Seed	42H94	HO	Clearfield	54.9	69.0	107.8	10.8	29.0	44.0	1517	--	--
USDA	894	Check Hyb.		59.1	65.3	105.3	10.8	31.9	44.7	1394	--	--
CROPLAN	559CL	Check Hyb.		61.4	67.3	110.7	10.2	31.0	44.0	1881	--	--
Mycogen Seeds	8N270CLDM	Check Hyb.		56.2	63.0	105.3	9.9	31.5	40.7	1671	--	--
MEAN				59.8	66.6	109.0	10.4	31.0	42.3	1691	--	--
C.V. (%)				5.2	1.1	1.8	4.5	2.4	2.8	13.2	--	--
LSD 0.10				3.7	0.9	2.3	0.5	0.9	1.4	259	--	--
LSD 0.05				4.4	1.1	2.7	0.6	1.0	1.6	309	--	--

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										2015	2-yr. Avg. lb/ac	3-yr. Avg.
Nuseed	Falcon	Check Hyb.		55.1	65.7	109.0	10.1	33.3	45.5	2126	--	--
USDA	Honeycomb NS	Check Hyb.	2016 Early Che	59.2	63.0	100.0	10.1	28.5	41.1	1163	--	--
	MEAN			59.8	66.6	109.0	10.4	31.0	42.3	1691	--	--
	C.V. (%)			5.2	1.1	1.8	4.5	2.4	2.8	13.2	--	--
	LSD 0.10			3.7	0.9	2.3	0.5	0.9	1.4	259	--	--
	LSD 0.05			4.4	1.1	2.7	0.6	1.0	1.6	309	--	--

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

² Hybrid detail as provided by seed company.

³ Oils reported at 10% moisture.