

**NDSU Carrington Research Extension Center  
2020 Variety Trial Data**

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

Brand	Hybrid	Hybrid Type <sup>1</sup>	Tech Trait	Days to	Days to	Plant	Plant	Moist. at	Test	Oil	----- Seed Yield -----	
				Bloom	PM	Ht.	Lodge	Harvest	Weight <sup>3</sup>	Content <sup>3</sup>	2020	2-yr. Avg. <sup>4</sup>
				DAP <sup>2</sup>	DAP <sup>2</sup>	inch	0 to 9	%	lb/bu	%	----- lb/ac -----	
CROPLAN	CP3845	High Oleic	Conventional	65.0	108.5	67.6	1.3	8.1	26.7	44.0	1358	1370
CROPLAN	CP432E	NuSun	ExpressSun	61.0	109.0	66.5	1.8	8.1	27.9	44.7	1993	1908
CROPLAN	CP450E	High Oleic	ExpressSun	65.0	111.0	69.8	1.8	9.3	27.6	42.2	1872	1763
CROPLAN	CP455E	High Oleic	ExpressSun	64.3	110.3	72.4	1.5	8.6	27.0	43.7	1940	1656
CROPLAN	CP4909E	Traditional	ExpressSun	65.5	109.8	66.3	1.0	8.9	28.0	44.7	1531	--
CROPLAN	CP5045CL	High Oleic	Clearfield	65.0	110.3	69.6	1.0	8.9	27.7	43.6	1441	--
CROPLAN	CP545CL	NuSun	Clearfield	65.8	110.3	64.6	0.5	9.1	26.7	44.4	1780	1529
CROPLAN	CP7919CL	High Oleic	ExpressSun	66.3	108.5	67.1	1.3	8.2	25.1	41.7	1589	--
CROPLAN	CPX50120CL	High Oleic	Clearfield	65.3	109.5	64.6	1.3	10.0	27.1	41.9	1799	--
CROPLAN	CPX52220CL	High Oleic	Clearfield	53.0	110.5	58.7	1.5	8.5	29.7	43.3	1859	--
CROPLAN	CPX57919CLP	High Oleic	Clearfield Plus	66.0	109.5	66.1	2.0	9.1	26.3	40.3	1702	--
Dyna-Gro	H42HO18CL	High Oleic	Clearfield	62.3	110.0	61.4	1.0	8.0	27.2	43.2	1906	1606
Dyna-Gro	H44HO12CL	High Oleic	Clearfield	61.0	109.0	65.8	2.3	8.5	26.9	46.0	1667	1487
Dyna-Gro	H45HO10EX	High Oleic	ExpressSun	62.3	109.3	68.1	0.8	8.2	24.6	42.8	1749	--
Dyna-Gro	H45NS16CL	NuSun	Clearfield	62.0	108.8	63.1	2.0	8.1	27.2	46.2	1785	1557
Dyna-Gro	H48HO15CL	High Oleic	Clearfield	67.8	109.8	70.5	1.5	9.0	25.7	43.4	1739	1552
Dyna-Gro	H49HO19CL	High Oleic	Clearfield	67.3	107.8	65.2	1.0	9.0	25.3	42.2	1728	1640
Dyna-Gro	H49NS14CL	NuSun	Clearfield	66.0	109.8	62.5	1.0	8.5	27.0	44.3	1887	--
Dyna-Gro	XH00H57	NuSun	Conventional	67.8	108.5	71.4	1.3	9.5	27.5	46.3	1455	--
Dyna-Gro	XH81H52CP	High Oleic	Clearfield	66.8	110.5	69.1	2.3	8.8	27.2	43.7	1620	--
Dyna-Gro	XH82H63EX	High Oleic	ExpressSun	67.3	111.3	71.0	2.3	12.9	29.9	43.2	2111	1865
MEAN				64.5	109.2	68.0	1.4	8.8	26.5	42.9	1715	--
C.V.(%)				1.6	1.0	5.6	45.3	8.7	3.7	3.3	13.9	--
LSD 0.10				1.2	1.3	4.5	0.8	0.9	1.1	1.7	278	--
LSD 0.05				1.4	1.5	5.3	0.9	1.1	1.4	2.0	332	--

**Planting Date = June 1 ; Harvest Date = October 6 ; Previous Crop = Barley**

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Brand	Hybrid	Hybrid Type <sup>1</sup>	Tech Trait	Days to	Days to	Plant	Plant	Moist. at	Test	Oil	----- Seed Yield -----	
				Bloom	PM	Ht.	Lodge	Harvest	Weight <sup>3</sup>	Content <sup>3</sup>	2020	2-yr. Avg. <sup>4</sup>
				DAP <sup>2</sup>	DAP <sup>2</sup>	inch	0 to 9	%	lb/bu	%	----- lb/ac -----	
Dyna-Gro	XH82H65EX	High Oleic	ExpressSun	63.0	109.3	73.5	2.0	8.9	27.4	43.2	1831	1636
Dyna-Gro	XH91H54CL	High Oleic	Clearfield	65.3	110.3	67.4	1.5	9.6	26.1	41.1	1743	--
Dyna-Gro	XH93H79CL	High Oleic	Clearfield	68.5	109.8	66.4	1.8	9.1	25.8	42.4	2089	--
Nuseed	Badger DMR	NuSun	Clearfield	61.3	108.3	68.9	1.5	8.1	25.9	38.5	1890	1819
Nuseed	Camaro II	NuSun	Clearfield	65.8	109.0	68.9	1.3	8.6	27.1	45.2	1746	1782
Nuseed	Falcon	NuSun	ExpressSun	64.8	107.0	65.2	0.8	8.3	26.9	44.1	1546	1434
Nuseed	Hornet	High Oleic	Clearfield	68.0	109.5	67.5	1.8	9.4	25.5	42.5	1561	1535
Nuseed	N4H302 E	High Oleic	ExpressSun	64.0	109.8	69.8	1.0	8.2	24.6	41.9	1439	1354
Nuseed	N4H422 CL	High Oleic	Clearfield	65.0	108.5	69.2	1.5	8.8	26.3	41.3	1672	--
Nuseed	N4H470 CL Plus	High Oleic	Clearfield	68.3	110.0	68.1	1.3	8.8	26.1	43.3	966	1099
Nuseed	N4HM354	NuSun	Clearfield	63.0	109.0	63.2	1.5	8.9	26.9	45.9	1559	1598
Nuseed	N5LM307	NuSun	Clearfield	61.0	109.0	64.6	1.8	8.1	24.6	38.5	1385	1438
Pioneer Brand	P63HE501	High Oleic	ExpressSun	64.0	109.5	68.4	1.8	8.2	25.7	41.6	2023	--
Pioneer Brand	P64HE101	High Oleic	ExpressSun	66.8	110.8	73.8	1.5	11.8	28.3	41.3	2262	1909
Proseed	12G25CL	High Oleic	Clearfield	63.0	109.3	67.8	2.0	8.3	26.7	44.7	1688	--
Proseed	E31CL	High Oleic	Clearfield	65.5	109.0	70.3	1.8	8.6	26.8	41.9	1656	1608
Proseed	E50016CL	NuSun	Clearfield	66.0	109.8	70.7	1.5	9.4	26.6	43.9	2089	1711
Proseed	E91	High Oleic	SU	67.3	109.0	73.4	1.5	8.5	27.7	43.6	1609	--
Proseed	E93	NuSun	SU	65.5	109.5	73.4	1.3	8.4	24.6	41.9	1949	--
Royal Hybrid	20-EXP1	High Oleic	Clearfield	64.5	109.0	69.7	1.3	8.1	24.7	39.4	1758	--
Royal Hybrid	20-EXP5	High Oleic	Clearfield	64.0	107.3	71.6	1.5	7.9	24.2	40.7	1582	--
MEAN				64.5	109.2	68.0	1.4	8.8	26.5	42.9	1715	--
C.V.(%)				1.6	1.0	5.6	45.3	8.7	3.7	3.3	13.9	--
LSD 0.10				1.2	1.3	4.5	0.8	0.9	1.1	1.7	278	--
LSD 0.05				1.4	1.5	5.3	0.9	1.1	1.4	2.0	332	--

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				Bloom	PM	Ht.	Lodge	Harvest	Weight <sup>3</sup>	Content <sup>3</sup>	2020	2-yr. Avg. <sup>4</sup>
				DAP <sup>2</sup>	DAP <sup>2</sup>	inch	0 to 9	%	lb/bu	%	----- lb/ac -----	
SunOpta	4415HOCLP	High Oleic	Clearfield	63.0	108.3	69.5	1.3	8.3	26.3	42.1	1832	1613
SunOpta	4425CL	NuSun	Clearfield	62.8	107.5	72.3	1.3	8.3	26.2	41.9	1867	1822
SunOpta	EX725CL	NuSun	Clearfield	64.8	107.5	69.6	2.0	8.0	23.3	43.0	1451	1603
USDA	894		Check Hybrid	63.0	108.5							--
CROPLAN	559CL <sup>2</sup>		Check Hybrid	67.0	109.5							--
Mycogen Seeds	8N270CLDM <sup>2</sup>		Check Hybrid	59.0	109.5							--
USDA	Honeycomb NS <sup>2</sup>		Check Hybrid	55.0	108.0							--
Nuseed	Falcon <sup>2</sup>		Check Hybrid	64.8	107.8							--
MEAN				64.5	109.2	68.0	1.4	8.8	26.5	42.9	1715	--
C.V.(%)				1.6	1.0	5.6	45.3	8.7	3.7	3.3	13.9	--
LSD 0.10				1.2	1.3	4.5	0.8	0.9	1.1	1.7	278	--
LSD 0.05				1.4	1.5	5.3	0.9	1.1	1.4	2.0	332	--

**Planting Date = June 1 ; Harvest Date = October 6 ; Previous Crop = Barley**

<sup>1</sup> Oil Type: HO = High Oleic, NS = NuSun, Trad = Traditional. Hybrid detail as provided by seed company.

<sup>2</sup> Hybrids included as maturity checks.

<sup>3</sup> Test Weight, Oil and Yield reported at 10% moisture.

<sup>4</sup> Two-year average is for 2018 and 2020, as 2019 trial is not available.