

NDSU Hettinger Research Extension Center

Sunflower - Oil Type - 2021							Hettinger, ND		
Company/Brand	Hybrid	Oil Type & Traits ¹	Days to Bloom	Plant Height	Test Weight	Oil Content	Grain Yield		
							DAP ²	inches	lbs/bu
							-----lbs/ac-----		
Croplan	CP3845	HO	61	60	30.5	43.0	3481	2414	2453
Croplan	CP432E	NS, EX	57	61	23.1	34.3	1609	1663	1661
Croplan	CP450E	HO, EX	62	57	28.6	38.8	3266	2670	2388
Croplan	CP455E	HO, EX	62	62	28.2	39.9	3557	2888	2579
Croplan	CP4909E	NS, EX	61	52	29.3	39.9	2965	2482	2288
Dairyland Seed	D643HO	HO, EX	60	62	28.0	39.6	2933	2418	--
Dairyland Seed	D683MO	MO, EX	61	62	26.7	39.1	3097	2548	--
Dairyland Seed	D690MO	MO, EX	63	68	27.7	39.6	3663	2713	--
Dyna-Gro	H42HO18CL	HO, CL	61	55	26.6	39.7	2696	2210	2102
Dyna-Gro	H44HO12CL	HO, CL	58	59	27.5	39.7	2581	2295	2243
Dyna-Gro	H45HO10EX	HO, EX	60	59	25.2	38.8	2910	2295	2206
Dyna-Gro	H45NS16CL	NS, CL	61	58	29.6	41.5	2753	2360	2402
Dyna-Gro	H47HO11EX	HO, EX	63	65	27.7	38.4	3014	--	--
Dyna-Gro	H49HO19CL	HO, CL	64	62	28.5	42.6	3492	2749	2688
Dyna-Gro	H49NS14CL	NS, CL	63	59	28.1	40.1	3478	2605	2507
Dyna-Gro	XH81H52CP	HO, CP	64	65	28.5	44.8	3671	2744	2566
Dyna-Gro	XH81H59EX	HO, EX	61	58	29.1	37.6	3000	--	--
Dyna-Gro	XH81H60EX	HO, EX	62	63	28.8	41.3	3837	--	--
Dyna-Gro	XH81H61EX	HO, EX	64	66	28.6	41.6	3504	--	--
Dyna-Gro	XH81N58EX	NS, EX	63	55	30.0	41.2	3230	--	--
Dyna-Gro	XH81N62EX	NS, EX	65	60	29.5	38.1	3073	--	--
Dyna-Gro	XH82H63EX	HO, EX	60	62	28.2	40.2	2885	--	--
Nuseed	Falcon	NS, EX	62	56	27.5	39.3	2984	2483	2340
Nuseed	Hornet	HO, CL	64	64	28.3	40.5	3707	2703	2593
Nuseed	N4H302 E	HO, EX	61	58	25.7	40.6	3044	2431	2295
Nuseed	N4H422 CL	HO, CL	62	66	28.1	39.4	3469	2618	--
Nuseed	N4H470 CL Plus	HO, CP	63	67	32.6	43.5	3852	2836	2628
Nuseed	N4H521 CL	HO, CL	63	57	29.6	40.3	3364	2838	2717
Nuseed	N4HM354	NS, CL	60	60	30.9	41.5	2725	2204	2106
Nuseed	NHKE53359	HO, EX	63	70	25.5	37.5	2874	--	--
Nuseed	NLKE04002	NS, EX	64	60	28.9	38.0	3045	--	--
Nuseed	NLKP74437	NS, CP	61	62	26.3	35.7	3444	--	--
Proseed	12G25 CL	HO, CL	61	62	28.9	42.0	3220	2683	--
Proseed	E-50016 CL	HO, CL	62	59	28.6	41.4	3254	2566	--
Proseed	E-31 CL	HO, CL	62	63	27.5	35.4	2592	--	--
Proseed	E-91 E	HO, EX	62	72	27.9	37.7	2858	2290	--
Proseed	E-93 E	HO, EX	62	69	25.7	37.7	3026	2432	--
Sunflower Partners	SF440 HO/CL	HO, CL	65	64	28.6	42.0	3644	--	--
Sunflower Partners	SW1H63CL	HO, CL	64	55	27.1	41.9	3031	--	--
Sunflower Partners	SW1H81CLP	HO, CP	62	63	28.3	42.0	3485	--	--
Sunflower Partners	NSW21460	HO, CL	62	68	28.4	39.7	3550	--	--

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Company/Brand	Hybrid	Oil Type & Traits ¹	Days to Bloom	Plant Height	Test Weight	Oil Content	Grain Yield		
							2021	2-Year	3-Year
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Brevant	B8H131CL	HO, CL	59	64	27.5	40.2	2349	--	--
Brevant	B8H460CP	HO, CP	64	64	27.2	43.7	2920	--	--
Brevant	B8H395E	HO, EX	61	63	25.4	38.3	2958	--	--
Brevant	B8M390E	MO, EX	64	66	27.2	39.1	3516	--	--
SunOpta	4415	HO, CP	61	65	27.9	35.6	2950	2358	2390
SunOpta	4425 CL	MO, CL	61	70	27.4	36.6	3836	2817	2538
SunOpta	EXP725 CL	MO, CL	61	69	25.0	37.1	3534	2701	2559
RAGT	AC2101	HO, CP	61	66	26.7	39.4	3293	--	--
USDA (Check)	894	TR	61	67	27.6	38.7	2838	2076	1925
CROPLAN (Check)	559CL	NS, CL	62	69	29.3	41.7	3466	2127	--
AAFC/USDA (Check)	Honeycomb NS	NS	55	56	23.0	37.1	770	1154	1602
Mycogen Seeds (Check)	8N270CLDM	NS, CL	57	54	26.6	38.2	1853	1722	1798
Trial Mean			62	62	27.7	39.6	3094	2428	2316
C.V. %			1.3	6.3	5.3	4.4	8.1	--	--
LSD 5%			0.9	4.6	1.6	2.0	415	--	--
LSD 10%			0.7	3.5	1.3	1.6	227	--	--

¹ Type: TR-Traditional, NS-NuSun, HO-High Oleic, CL=Clearfield, CP=Clearfield Plus, EX=ExpressSun.

² Days after planting.

Planting Date: June 3

Harvest Date: October 29

Previous Crop: Wheat