

NDSU Hettinger Research Extension Center

Oil Type Sunflower - 2018

Hettinger, ND

Company/ Brand	Hybrid	Oil Type & Traits ¹	Days to Plant		Lodging	Test Weight	Oil Content	Grain Yield		
			Bloom ²	Height				2018	2-Year	3-Year
			inches	%	lbs/bu	%	-----lbs/ac-----			
Croplan	3732	NS	67	57	0	28.2	37.1	3410	2496	--
Croplan	3845 HO	HO	66	61	0	28.7	37.5	3421	2683	--
Croplan	432 E	NS, EX, DM	64	65	0	26.4	33.4	2370	2132	2124
Croplan	455 E HO	HO, EX, DM	66	65	0	27.9	37.2	3715	2639	2284
Croplan	545 CL	NS, CL, DM	68	62	0	25.9	36.2	3172	2525	2460
Croplan	549 CL	HO, CL, DM	63	69	0	28.4	37.5	2892	2384	2278
Croplan	557 CL HO	HO, CL, DM	69	66	0	25.7	36.9	3407	--	--
Croplan	568 CL HO	HO, CL, DM	70	64	0	26.5	36.6	3466	2643	--
Mycogen	8H449CLDM	HO, CL, DM	67	61	0	29.6	39.1	3571	2791	2558
Mycogen	MY8H456CL	HO, CL, DM	69	69	0	26.2	38.3	3617	2875	--
Mycogen	MY8H460CP	HO, CLP	68	73	0	27.0	36.8	3246	--	--
Nuseed	Badger DMR	NS, CL, DM	64	70	0	25.8	36.1	2899	2536	2269
Nuseed	Camaro II	NS, CL, DM	67	71	0	29.0	37.2	2905	2485	2321
Nuseed	Falcon	NS, EX	67	61	0	27.8	35.5	3014	2505	2264
Nuseed	Hornet	HO, CL, DM	68	68	0	26.1	37.0	3417	2839	2789
Nuseed	N4H302 E	HO, EX	66	63	0	25.8	37.7	2539	--	--
Nuseed	N4HM354	NS, CL, DM	64	57	0	28.0	36.2	2769	2440	2367
Nuseed	N4H521 CL	NS, CL, DM	69	65	0	25.6	35.9	3359	--	--
Nuseed	N4H470 CL Plus	HO, CLP, DM	68	63	0	28.1	39.1	3566	3051	--
Nuseed	N5LM307	NS, CL	64	64	0	24.8	34.4	2514	2159	2058
NuTech	63C4 CL	NS, CL	64	59	0	27.6	38.1	2769	--	--
NuTech	64H6	HO, EX	66	70	0	26.9	36.1	3444	--	--
NuTech	68H7	HO, EX	68	71	0	27.6	35.4	2862	--	--
NuTech	68M5	NS, EX	68	66	0	27.2	36.1	2851	--	--
NuTech	69M2	NS, EX	68	74	0	27.4	36.5	3617	--	--
Proseed	E-21 CL	NS, CL, DM	67	74	0	25.7	36.1	2105	1854	--
Proseed	E-31 CL	NS, CL, DM	67	72	0	25.0	34.9	2551	2259	2207
Proseed	E-362436	NS, CL, DM	66	73	0	28.5	35.1	2638	2279	--
Proseed	E 50016 CL	NS, CL	68	65	0	26.0	36.1	2973	2260	--
Proseed	E-71 CL	NS, CL, DM	68	70	0	24.0	34.5	2582	2084	--
Proseed	E-72	NS	69	72	0	27.2	35.9	3138	2510	--
Proseed	E-73 CL	NS, CL, DM	69	70	0	23.7	35.2	2519	2141	--
SunOpta	4415 HO/CLP/DM	HO, CLP, DM	67	71	0	25.8	36.0	2990	--	--
SunOpta	4425 CL	NS, CL	67	74	0	26.7	35.4	3007	--	--
SunOpta	EX721	HO, CL	67	68	0	24.7	35.6	2994	--	--
SunOpta	EX725	NS, CL	67	72	0	25.1	35.6	2950	--	--
SunOpta	EX72468	NS, CL	70	68	0	25.8	36.9	3582	--	--

Table continued on next page

NDSU Hettinger Research Extension Center

Oil Type Sunflower - 2018 **Hettinger, ND**

Company/ Brand	Hybrid	Oil Type & Traits ¹	Days to Bloom ²	Plant Height	Lodging	Test Weight	Oil Content	Grain Yield		
								2018	2-Year	3-Year
<i>Table continues from previous page</i>										
Limagrain	LCSADVX18-001HO	HO	69	72	0	25.4	37.1	2951	--	--
Limagrain	LCSADVX18-002HO	HO	67	73	0	27.5	35.5	2966	--	--
Limagrain	LCSADVX18-003HOCL	HO, CLP	69	72	0	24.6	35.2	2830	--	--
Limagrain	LCSADVX18-004HO	HO	67	75	0	26.2	34.0	3009	--	--
Limagrain	LCSADVX18-005LN	Conv	72	76	0	28.6	36.6	2697	--	--
Limagrain	LCSADVX18-006HO	HO	67	72	0	25.1	34.5	2393	--	--
Limagrain	LCSADVX18-007LN	Conv	67	75	0	25.4	34.6	2833	--	--
Limagrain	LCSADVX18-008HOCL	HO, CL	67	71	0	25.6	34.4	2384	--	--
Limagrain	LCSADVX18-009LN	Conv	65	74	0	27.7	35.8	2923	--	--
Limagrain	LCSADVX18-010LNCL	Conv, CLP	68	74	0	29.5	37.0	3212	--	--
Limagrain	LCSADVX18-011LN	Conv	65	73	0	26.6	35.5	2825	--	--
Limagrain	LCSADVX18-012LNCL	Conv, CLP	67	68	0	25.4	36.7	2675	--	--
Limagrain	LCSADVX18-013LN	Conv	67	72	0	29.1	37.2	2793	--	--
Mycogen (C 8N270CLDM		NS, CL, DM	62	62	0	27.8	38.3	2260	1960	1925
USDA (CK Honeycomb NS		NS	60	61	0	22.1	32.3	958	875	1061
USDA (CK 894		TR	65	67	0	27.9	37.1	2808	2353	2173
USDA (CK Hybird 924		TR	67	67	0	26.4	35.9	2931	--	--
Trial Mean			67	68	0	26.6	36.2	2931	2373	2209
C.V. %			1.0	5.5	--	3.2	3.5	9.7	--	--
LSD 5%			1.0	5.3	NS	1.2	1.8	397	--	--
LSD 10%			0.9	4.4	NS	1.0	1.5	333	--	--

¹ Type: TR-Traditonal, NS-NuSun, HO-High Oleic, CL=Clearfield, EX=ExpressSun, DM=Downy Mildew Resistan

² Days after planting.

Planting Date: May 31

Harvest Date: November 1

Previous Crop: Wheat