

2018 Oil Type Sunflower Variety Trial at Minot

North Central Research Extension Center

Company/Brand	Hybrid	Days to Bloom	Days to Mature	Plant Height	Oil	Test Weight	Yield			Average	
		DAP*	DAP*	inches	%	lbs/bu	2016	2017	2018	2 yr	3 yr
							----- lbs/A -----			-----	
Proseed	E-31 CL	68	108	47	37.3	28.7	3694	2723	2319	2521	2912
Proseed	E-73 CL	65	107	46	39.6	31.3		2627	2164	2395	exp
Proseed	E362436	69	108	49	37.3	30.6		2387	1990	2188	
Proseed	E-72	72	108	53	38.4	30.8		2291	1963	2127	exp
Proseed	E-71 CL	69	107	52	36.6	28.4		2117	1979	2048	exp
Proseed	E-50016 CL	70	107	46	37.6	31.3		2142	1812	1977	
Proseed	E-21 CL	69	108	51	37.3	31.0		2034	1769	1901	
Mycogen Seeds	8H449CLDM	70	110	45	38.3	31.9	2969	3167	2432	2800	2856
Mycogen Seeds	MY8H270CL	65	103	43	37.9	29.9	2707	2649	2218	2434	2525
Mycogen Seeds	8H460CP	73	111	48	37.8	30.4		2094			
SunOpta	4425	69	106	48	37.2	31.0		2467	2249	2358	
SunOpta	4415	69	107	48	38.1	30.2		2519	2185	2352	
SunOpta	EXP725	69	107	47	37.9	29.2		2002			exp
CROPLAN	455 E HO	66	109	48	38.7	31.8		2744	3124	2934	
CROPLAN	545 CL	70	108	42	38.5	31.4		3144	2270	2707	
CROPLAN	549 CL	68	106	55	37.2	31.4		2302	2416	2359	
CROPLAN	3845 HO	70	110	45	38.3	33.0		2490	2114	2302	
CROPLAN	432 E HO	64	103	44	35.5	29.8		2247	2096	2171	
CROPLAN	557 CL HO	70	108	43	37.6	31.0		2508			
CROPLAN	450 E HO	69	110	48	35.4	30.3		2371			
Nuseed	Badger DMR	69	106	45	37.2	31.6	3142	3816	2467	3141	3142
Nuseed	Hornet	70	108	42	39.0	31.6	3054	2651	2649	2650	2785
Nuseed	Falcon	68	107	44	38.2	31.9	3083	2792	2387	2589	2754
Nuseed	Camaro II	68	103	47	39.0	33.2	2409	3000	2322	2661	2577
Nuseed	N4HM354	65	104	46	39.1	31.3	3278	2567	1883	2225	2576
Nuseed	N4H470 CL Plus	70	108	46	40.9	31.5		3106			
Nuseed	N4H302 E	66	106	50	37.8	28.8		2642			
Nuseed	N5LM307	64	104	44	35.5	27.0		1650			
Allegiant Seed	70H51CL	71	109	50	41.3	31.1		2869			
Allegiant Seed	65H81CL	63	106	40	40.4	31.8		2600			
Dyna-Gro Seed	H48HO15CL	71	109	48	40.7	30.7		2879			
Dyna-Gro Seed	XH82H65EX	66	107	52	38.0	30.9		2687			exp
Dyna-Gro Seed	XH81N46EX	66	107	45	37.8	29.5		2620			exp
Dyna-Gro Seed	H49HO19CL	69	107	42	38.5	32.1		2547			
Dyna-Gro Seed	H45NS16CL	66	105	41	39.1	31.8		2507			
Dyna-Gro Seed	XH81H48EX	70	108	45	37.9	31.5		2299			exp
Dyna-Gro Seed	H44HO12CL	64	107	46	38.7	30.8		2246			
Dyna-Gro Seed	H42HO18CL	66	108	41	38.0	31.0		2015			
Dyna-Gro Seed	XH82H63EX	69	110	51	37.4	31.3		1943			exp

Dyna-Gro Seed	XH81H51EX	53	102	33	36.2	26.9			1550			exp
	Long Term Check	68	107	46	38.8	31.0	2636	1818	1995	1907	2150	
	Early Maturing Check	60	100	42	37.8	27.7	1821	1212	982	1097	1338	
	Med Maturing Check	63	105	43	38.2	30.6	2474	2231	2218	2224	2308	
	Late Maturing Check	70	108	50	39.8	30.9	2863	1782	2219	2000	2288	
Trial Mean		68	107	47	38.0	30.6	2890	2582	2178	--	--	
C.V.%		1.4	1.1	4.3	2.6	2.7	11.3	16.5	11.8	--	--	
LSD 5%		2	2	3	1.6	1.3	538	693	308	--	--	
LSD 10%		1	2	3	1.3	1.1	449	580	258	--	--	

*DAP = Days after planting.

Planting Date: May 25

Harvest Date: October 23

Row Spracing: 30"

Planting Population: 21,000 plants/A

Tillage: Minimum Till

Soil Type: Williams loam

Previous Crop: 2015 = spring wheat, 2016 = barley, 2017 = soybean

Note: Yield, test weight and oil content are adjusted to 10% moisture.