

Oil Type Sunflower Variety Trial at Minot

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	42.4	28.7	3694	2723	2319	2521	2912
Proseed	E362436	69	108	49	42.5	30.6	--	2387	1990	2188	--
Proseed	E-50016 CL	70	107	46	42.8	31.3	--	2142	1812	1977	--
Proseed	E-21 CL	69	108	51	42.5	31.0	--	2034	1769	1901	--
Mycogen Seeds	8H449CLDM	70	110	45	43.6	31.9	2969	3167	2432	2800	2856
Mycogen Seeds	MY8H270CL	65	103	43	43.2	29.9	2707	2649	2218	2434	2525
Mycogen Seeds	8H460CP	73	111	48	43.1	30.4	--	--	2094	--	--
SunOpta	4425	69	106	48	42.3	31.0	--	2467	2249	2358	--
SunOpta	4415	69	107	48	43.3	30.2	--	2519	2185	2352	--
CROPLAN	455 E HO	66	109	48	44.1	31.8	--	2744	3124	2934	--
CROPLAN	545 CL	70	108	42	43.9	31.4	--	3144	2270	2707	--
CROPLAN	549 CL	68	106	55	42.4	31.4	--	2302	2416	2359	--
CROPLAN	3845 HO	70	110	45	43.6	33.0	--	2490	2114	2302	--
CROPLAN	432 E HO	64	103	44	40.4	29.8	--	2247	2096	2171	--
CROPLAN	557 CL HO	70	108	43	42.9	31.0	--	--	2508	--	--
CROPLAN	450 E HO	69	110	48	40.4	30.3	--	--	2371	--	--
Nuseed	Badger DMR	69	106	45	42.4	31.6	3142	3816	2467	3141	3142
Nuseed	Hornet	70	108	42	44.4	31.6	3054	2651	2649	2650	2785
Nuseed	Falcon	68	107	44	43.5	31.9	3083	2792	2387	2589	2754
Nuseed	Camaro II	68	103	47	44.5	33.2	2409	3000	2322	2661	2577
Nuseed	N4HM354	65	104	46	44.5	31.3	3278	2567	1883	2225	2576
Nuseed	N4H470 CL Plus	70	108	46	46.6	31.5	--	--	3106	--	--
Nuseed	N4H302 E	66	106	50	43.0	28.8	--	--	2642	--	--
Nuseed	N5LM307	64	104	44	40.4	27.0	--	--	1650	--	--
Allegiant Seed	70H51CL	71	109	50	47.1	31.1	--	--	2869	--	--
Allegiant Seed	65H81CL	63	106	40	46.0	31.8	--	--	2600	--	--
Dyna-Gro Seed	H48HO15CL	71	109	48	46.3	30.7	--	--	2879	--	--
Dyna-Gro Seed	H49HO19CL	69	107	42	43.9	32.1	--	--	2547	--	--
Dyna-Gro Seed	H45NS16CL	66	105	41	44.6	31.8	--	--	2507	--	--
Dyna-Gro Seed	H44HO12CL	64	107	46	44.1	30.8	--	--	2246	--	--
Dyna-Gro Seed	H42HO18CL	66	108	41	43.3	31.0	--	--	2015	--	--
--	Long Term Check	68	107	46	44.2	31.0	2636	1818	1995	1907	2150
--	Early Maturing Check	60	100	42	43.1	27.7	1821	1212	982	1097	1338
--	Med Maturing Check	63	105	43	43.5	30.6	2474	2231	2218	2224	2308
--	Late Maturing Check	70	108	50	45.4	30.9	2863	1782	2219	2000	2288
Trial Mean		68	107	47	43.4	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	1.8	1.3	538	693	308	--	--
LSD 10%		1	2	3	1.5	1.1	449	580	258	--	--

*DAP = Days after planting.

Planting Date: May 25

Harvest Date: October 23

Row Spacing: 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.