

Oil Type Sunflower Variety Trial at Minot

Company	Hybrid	Days to Bloom	Days to Mature	Plant Height	Oil %	Test Weight	Yield			Average	
		DAP*	DAP*	inches		lbs/bu	2017	2018	2019	2 yr	3 yr
							lbs/A				
Proseed	E-31 CL	69	119	54	39.7	28.7	2723	2319	1345	1832	2129
Proseed	E-362436	69	123	50	41.7	31.9	2387	1990	1575	1782	1984
Proseed	E-21 CL	72	124	51	39.0	28.2	2034	1769	1536	1653	1780
Proseed	E-91 E	68	118	58	41.2	30.6	--	--	1767	--	--
Proseed	E-92 E	72	124	65	43.3	28.4	--	--	1339	--	--
Dyna-Gro	H48HO15CL	72	124	44	48.7	29.6	--	2879	1581	2230	--
Dyna-Gro	H49HO19CL	69	120	42	48.2	31.7	--	2547	1601	2074	--
Dyna-Gro	H44HO12CL	65	119	47	46.4	31.5	--	2246	1764	2005	--
Dyna-Gro	H45NS16CL	65	118	47	45.3	33.4	--	2507	1499	2003	--
Dyna-Gro	H42HO18CL	65	120	46	46.9	31.9	--	2015	1625	1820	--
Dyna-Gro	H49NS14CL	69	123	49	48.9	32.5	--	--	2311	--	--
Dyna-Gro	H45HO10EX	66	121	50	46.1	30.2	--	--	2128	--	--
SunOpta	4425CL	67	121	54	39.9	30.4	2467	2249	1874	2061	2197
SunOpta	4415 HO/CLP/DM	68	123	46	42.8	31.7	2519	2185	1647	1916	2117
CROPLAN	CP455E	67	125	50	44.6	31.5	2744	3124	2965	3045	2944
CROPLAN	CP545CL	70	124	50	46.6	30.9	3144	2270	2088	2179	2501
CROPLAN	CP432E	65	120	52	40.2	30.4	2247	2096	1993	2044	2112
CROPLAN	CP450E	69	124	52	40.5	28.8	--	2371	1895	2133	--
CROPLAN	CP4909E	68	124	48	44.7	31.0	--	--	2033	--	--
Nuseed	Camaro II	68	122	52	48.8	33.6	3000	2322	2283	2302	2535
Nuseed	Hornet	70	124	56	48.2	30.4	2651	2649	2215	2432	2505
Nuseed	Falcon	68	120	48	47.7	31.6	2792	2387	1752	2069	2310
Nuseed	N4HM354	65	123	48	46.1	32.6	2567	1883	1916	1900	2122
Nuseed	N4H470 CL Plus	70	124	50	49.8	31.2	--	3106	2518	2812	--
Nuseed	N4H302 E	67	124	45	46.8	29.6	--	2642	2012	2327	--
Nuseed	N5LM307	65	120	52	40.6	28.7	--	1650	2004	1827	--
Long term ck	Hybrid 894	65	120	47	43.9	31.4	1818	1995	1640	1818	1818
Late matur ck	559CL	68	125	59	46.7	32.3	1782	2219	2072	2146	2024
Trial Mean		68	122	52	44.7	30.8	2582	2178	1889	--	--
C.V.%		1.1	1.6	5.3	1.6	2.9	16.5	11.8	14.4	--	--
LSD 5%		1	3	5	1.2	1.5	693	308	442	--	--
LSD 10%		1	3	4	1.0	1.2	580	258	370	--	--

*DAP = Days after planting.

Planting Date: May 22

Harvest Date: November 5

Row Spacing: 30"

Planting Population: 21,000 plants/A

Tillage: Minimum Till

Soil Type: Williams loam

Previous Crop: 2016 = barley, 2017 = soybean, 2018 = spring wheat

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