

2022 Sunflower Variety Trial at Minot

Company	Hybrid	Days to Bloom	Days to Mature	Plant Height	Oil	Test Weight	Yield				
		DAP*	DAP*	inches	%	lbs/bu	2019	2020	2022	2 yr avg	3 yr avg
							----- lbs/A -----				
CROPLAN	CP3845	73	110	51	49.0	31.9	--	--	2067	--	--
CROPLAN	CP432E	66	103	49	39.7	30.9	1993	1784	1748	1766	1842
CROPLAN	CP450E	71	107	58	41.8	31.0	1895	1565	2761	2163	2074
CROPLAN	CP455E	70	107	53	44.7	31.6	2965	1637	2663	2150	2422
CROPLAN	CP4909E	72	110	56	44.9	32.4	2033	1734	2269	2001	2012
CROPLAN	CP545CL	74	106	54	43.8	31.2	2088	2081	2647	2364	2272
CROPLAN	CP5045CL	74	110	53	45.0	32.1	--	--	2343	--	--
CROPLAN	CP7919CL	73	109	54	45.9	29.7	--	--	3048	--	--
Brevant Seeds	B8H307CL	69	106	57	46.4	31.9	--	--	2376	--	--
Brevant Seeds	B8M390E	73	109	62	45.6	30.5	--	--	2692	--	--
Brevant Seeds	B8H395E	69	106	62	45.8	31.4	--	--	2450	--	--
Brevant Seeds	B8H401E	69	106	55	45.0	31.7	--	--	2474	--	--
DYNAGRO	H42HO18CL	70	105	50	44.1	32.3	1625	2075	1942	2009	1881
DYNAGRO	H45HO10EX	70	110	49	43.6	29.0	2128	1402	1850	1626	1793
DYNAGRO	H47HO11EX	73	109	60	44.0	32.1	--	--	2078	--	--
DYNAGRO	H49HO19CL	75	106	50	46.1	30.3	1601	1872	2338	2105	1937
DYNAGRO	H49NS14CL	75	110	51	45.4	30.6	--	--	2000	--	--
DYNAGRO	H45NS16CL	70	106	46	47.9	33.4	1499	1954	1721	1837	1725
DYNAGRO	H50HO20CP	72	108	55	48.4	31.2	--	--	2242	--	--
Sunrich Products	4425 CL	71	106	56	39.0	29.4	1874	1954	2119	2036	1982
Sunrich Products	4415 HO	71	105	54	42.4	29.5	1647	1978	2333	2155	1986
Nuseed	N4H521 CL	73	110	54	45.4	30.4	--	--	2650	--	--
Nuseed	N4H470 CLP	74	110	57	48.8	31.1	2518	1758	3071	2414	2449
Nuseed	N4H422 CL	72	109	49	43.7	30.4	--	2004	2725	2364	--
Nuseed	N4H302 E	70	108	55	45.0	29.2	2012	1388	2485	1937	1962
Nuseed	Falcon	73	108	51	46.4	32.6	1752	1805	2150	1978	1902
RAGT	AC2201	74	111	58	43.0	32.1	--	--	2203	--	--
RAGT	AC2101	72	111	59	41.6	27.8	--	--	1891	--	--
Proseed	E-91	76	109	68	42.2	30.7	1767	1409	2176	1792	1784
Proseed	50016	73	109	54	43.5	29.8	--	--	2292	--	--
Proseed	12G25	72	110	54	45.8	31.5	--	--	1798	--	--
Long Term Check	Hybrid 894	71	106	51	44.6	31.4	--	--	1254	--	--
Early Maturing Check	Honeycomb NS	63	103	48	43.0	31.7	--	--	793	--	--
Med Maturing Check	8N270CLDM	69	105	46	43.6	32.2	--	--	1041	--	--
Late Maturing Check	559CL	73	110	61	46.5	32.2	--	--	2328	--	--
Sunrich Products	SS91	73	112	61	29.6	24.2	--	--	2687	--	--
Sunrich Products	SS90	70	110	52	32.6	25.6	--	--	1716	--	--
Long Term Check	Hybrid 924	70	109	52	30.7	26.5	--	--	1487	--	--
Trial Mean		72	108	55	43.5	30.5	1889	1761	2155	--	--
C.V.%		1.2	1.0	3.9	1.4	1.1	14.4	16.8	12.6	--	--
LSD 5%		1	2	3	1.0	0.5	442	481	441	--	--
LSD 10%		1	1	3	0.8	0.4	370	402	369	--	--

*DAP = Days after planting.

Bold print = non-oil / confectionary types

Planted on May 24 with a planting population of 21,000 plants/A and harvested on October 14.

Row Spacing: 30"

Tillage: No-till

Soil Type: Williams loam

Previous Crop: 2018 and 2019 = spring wheat, 2021 = oat

Note: The 2021 trial sustained severe drought. Data not shown.