

**NDSU Langdon Research Extension Center
2020 Oil Sunflower Trial**

Oil Sunflower - 2020 (page 1)

Langdon

Brand	Hybrid	Hybrid Type ¹	Status ²	Days to Flower (DAP) ³	Days to PM (DAP) ³	Plant Height (inch)	Oil (%)	Test Weight (lb/bu)	Harvest Moist. (%)	Seed Yield				
										2017	2018	2020	Avg.	3-yr Avg.
Caussade Semences	Kaledonia	HO,CL	Exp	74	111	69	40.5	30.8	8.5	--	--	3037	--	--
CROPLAN	CP3845	NS,Trad	CA	75	110	63	46.5	31.4	6.8	3209	2557	3269	2913	3012
CROPLAN	CP432E	NS,EX,DM	CA	70	107	63	44.0	31.1	7.2	3193	2570	3414	2992	3059
CROPLAN	CP450E	HO,EX,DM	CA	75	114	69	43.2	29.6	10.5	3394	2824	3785	3305	3334
CROPLAN	CP455E	HO,EX,DM	CA	73	112	71	43.7	30.0	8.1	3801	2818	3426	3122	3348
CROPLAN	CP4909E	NS,EX	CA	74	111	66	45.2	33.3	9.6	--	--	3201	--	--
CROPLAN	CP545CL	NS,CL,DM	CA	75	113	64	44.3	30.3	8.7	3365	2451	3386	2918	3067
CROPLAN	CPX40419E	HO,CL	Exp	74	112	64	45.4	31.5	9.1	--	--	3046	--	--
CROPLAN	CPX57919CLP	HO,CL	Exp	61	106	45	44.4	34.3	6.2	--	--	2767	--	--
CROPLAN	CPX5012CL	HO,CL	CA	73	111	65	43.5	30.5	8.7	--	--	3494	--	--
Dairyland	D643HO	HO,EX,DM	CA	73	112	72	43.5	30.2	7.2	--	--	3767	--	--
Dairyland	D683MO	Trad,EX,DM,	CA	73	113	70	45.0	30.9	9.6	--	--	3485	--	--
Dairyland	D684HO	HO,EX,DM	CA	74	114	73	44.5	32.5	12.6	--	--	3541	--	--
Dairyland	D690MO	Trad,EX,DM	CA	75	114	72	43.8	29.7	8.3	--	--	3716	--	--
Dyna-Gro	H42HO18CL	HO,CL,DM	CA	72	111	60	44.5	32.3	7.1	--	--	3209	--	--
Dyna-Gro	H44HO12CL	HO,EX,DM	CA	69	109	64	45.4	30.9	7.2	--	--	2623	--	--
Dyna-Gro	H45HO10EX	HO,EX,DM	CA	73	112	64	44.5	29.4	8.8	--	--	3235	--	--
Dyna-Gro	H45NS16CL	NS,CL,DM	CA	70	109	59	47.5	32.9	7.1	--	--	3616	--	--
Dyna-Gro	H49HO19CL	HO,CL,DM	CA	75	112	64	45.1	29.9	10.3	--	--	3524	--	--
Dyna-Gro	XH01H56CL	HO,CL,DM	Exp	61	106	45	43.0	34.1	6.5	--	--	2716	--	--
Dyna-Gro	XH82H63EX	HO,EX,DM	Exp	74	114	75	44.2	31.6	12.2	--	--	3513	--	--
Dyna-Gro	XH82H65EX	HO,EX,DM	Exp	72	110	71	43.0	29.6	6.6	--	--	3263	--	--
Nuseed	Badger DMR	NS,CL,DM,CON	CA	70	109	69	37.4	30.1	6.5	3728	1942	3806	2874	3159
Nuseed	Camaro II	NS,CL,DM	CA	74	112	67	45.2	32.1	9.7	3457	2504	3560	3032	3174
Nuseed	Falcon	NS,EX	CA	75	111	65	45.6	32.8	9.9	2888	2090	2956	2523	2645
Nuseed	Hornet	HO,CL,DM	CA	76	114	63	46.4	30.2	13.5	--	--	3778	--	--
Nuseed	N4H302 E	HO,EX	CA	73	111	71	42.5	27.1	7.5	--	2611	3078	2845	--

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Brand	Hybrid	Hybrid Type ¹	Status ²	Days to Flower (DAP) ³	Days to PM (DAP) ³	Plant Height (inch)	Test Oil (%)	Harvest Weight (lb/bu)	Harvest Moist. (%)	Seed Yield				
										2017	2018	2020	2-yr Avg.	3-yr Avg.
Nuseed	N4H422 CL	HO,CL,DM	Exp	73	111	65	43.7	30.5	8.5	--	--	3161	--	--
Nuseed	N4H470 CL Plus	HO,CP,DM	CA	75	112	68	46.9	30.9	11.5		2733	3124	2929	--
Nuseed	N4HM354	NS,CL,DM	CA	71	109	63	46.2	33.6	6.5	3066	2572	3409	2990	3016
Nuseed	N5LM307	NS,CL,DM,CON	CA	69	112	60	40.1	28.7	7.1	--	2380	3056	2718	--
Pioneer	P63HE501	HO,EX,DM	CA	73	111	63	42.6	30.8	6.2	--	--	3293	--	--
Pioneer	P64HE101	HO,EX,DM	CA	75	113	72	43.3	29.9	10.7	--	--	3718	--	--
Proseed	E-91E	HO,EX,DM	CA	74	112	73	44.8	31.8	8.1	--	--	3213	--	--
Proseed	12G25CL	HO,CL	CA	73	110	66	44.8	30.1	6.8	3364	2781	3088	2934	3078
Proseed	E-50016	HO,CL,DM	CA	73	112	69	44.8	29.4	6.8	3425	2640	2805	2723	2957
Proseed	E-93E	NS,EX,DM	CA	73	111	70	42.5	30.3	6.9	--	--	3340	--	--
S&W Seed Company	SF110	HO,CL,DM	CA	72	112	61	44.2	31.7	8.3	--	--	2746	--	--
USDA	894 ⁴	Trad		72	109	65	43.4	30.5	6.7	2841	2607	3062	2835	2837
Mat Check	8N270 ⁵	NS,CL,DM		67	107	57	44.2	32.5	6.8	--	--	3085	--	--
Mat Check	559CL ⁵	NS,CL,DM		75	112	72	44.7	29.9	9.4	--	--	3400	--	--
Mat Check	HoneyComb ⁵	NS		64	106	53	42.0	31.6	6.0	2085	2888	3089	2988	2687
Trial Mean				72.2	110.9	65.2	44.1	31.0	8.3	3177	2578	3281	--	--
C.V. %				1.2	1.1	3.5	2.7	2.5	17.6	9.9	15.2	11.5	--	--
LSD 5%				1.4	2.1	3.7	1.9	1.3	2.4	514	637	617	--	--
LSD 10%				1.9	1.7	3.1	1.6	1.1	2.0	430	533	516	--	--

¹Type: HO = High Oleic, NS = NuSun, Trad = Traditional(linoleic), CL = Clearfield, EX= ExpressSun, CP = Clearfield plus, DMR = Downy Mildew Resistant, CON=ConOil.

²Status: CA-Commercially available, Exp-Experimental.

³Days after planting

⁴Long-term hybrid check

⁵Maturity check

Oil and yield were adjusted to 10% moisture.

Planting Date: May 22

Harvest Date: October 12

Sunflower Trial in 2019 was unharvestable due to damage from 20 in. snowfall.