

**NDSU Carrington Research Extension Center  
2023 Variety Trial Data**

**Oil Sunflower**

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----- Yield -----

Brand	Hybrid	Hybrid Status	Oil Type	Conoil	Tech/ Herbicide Trait	DM Resist.	Days to Bloom	Days to Maturity	Plant Height	Harvest Moisture	Oil Content	Test Weight	2-yr. Avg.
							DAP	DAP	inch	%	%	lb/bu	----- lb/a -----
USDA	8N270CLDM	Check	NS	---	CL	---	64.0	119.0	58.3	7.0	37.9	28.5	1423 1667
Pioneer Hi-Bred	P63HE920	CA	HO	No	EX	Yes	66.3	130.0	71.1	7.0	36.0	30.2	3675 2769
Pioneer Hi-Bred	P64HE101	CA	HO	No	EX	Yes	66.0	131.3	72.4	6.7	35.1	29.7	3073 2573
CROPLAN	CP4157E	CA	HO	No	EX	Yes	64.5	126.3	71.1	6.7	38.8	29.7	3235 --
CROPLAN	CP450E	CA	HO	No	EX	Yes	64.5	129.0	72.0	6.2	38.1	31.1	2970 --
CROPLAN	CP455E	CA	HO	No	EX	Yes	64.5	129.8	73.4	6.2	37.8	29.8	3182 2467
CROPLAN	CP5249CL	CA	HO	---	CL	---	64.5	122.8	65.2	5.9	42.8	29.2	2534 --
CROPLAN	CP5045CL	CA	NS	No	CL	Yes	65.5	124.8	69.7	6.5	41.2	31.1	2760 2490
CROPLAN	CP7919CL	CA	HO	No	CL	Yes	66.0	128.3	64.4	6.9	42.4	29.9	3157 2883
Red River Commodities	8D310CL	CA	TRAD	Yes	CL	No	66.0	127.5	77.7	6.6	34.8	28.7	3627 --
Proseed	50068 CL	CA	HO	No	CL	Yes	64.0	133.3	77.2	6.3	39.4	31.1	3107 --
Proseed	50502 CL	CA	HO	No	CL	Yes	66.5	124.8	66.7	6.2	42.9	29.7	2061 --
Proseed	E-94 CP	CA	HO	No	CP	Yes	65.0	126.5	77.9	6.2	40.1	31.2	2619 --
Proseed	E-91 E	CA	HO	No	EX	Yes	66.0	123.0	76.8	6.0	39.6	30.5	2166 2023
Proseed	E-93 E	CA	HO	No	EX	Yes	65.5	121.5	81.0	6.1	38.0	29.6	2662 1835
Proseed	EXP 109L-E	Exp	HO	No	EX	Yes	64.5	122.8	76.5	6.1	39.6	30.4	2546 --
Proseed	EXP 2346-E	Exp	HO	No	EX	Yes	69.0	128.3	80.1	7.0	38.0	30.3	2571 --
Thunder Seed Inc.	TEX2301SF	Exp	HO	---	EX	---	65.0	124.5	72.2	6.1	38.7	30.6	2203 --
Thunder Seed Inc.	TEX2302SF	Exp	HO	---	EX	---	65.5	121.5	80.5	6.3	37.7	30.0	2478 --
Thunder Seed Inc.	TEX2303SF	Exp	HO	---	EX	---	67.0	124.0	78.3	6.6	40.1	29.8	2647 --
Thunder Seed Inc.	TEX2304SF	Exp	HO	---	EX	---	67.0	127.0	76.0	6.3	39.7	29.9	2362 --
RAGT Semences	AC2101	Exp	HO	---	CP	Yes	65.0	122.8	77.8	6.6	38.5	30.0	2429 2091
RAGT Semences	AC2201	Exp	HO	---	CL	Yes	65.5	129.8	78.6	6.7	38.0	30.8	2698 2306
RAGT Semences	AC2202	Exp	HO	---	CL	Yes	66.0	135.3	80.7	6.1	40.8	31.1	2055 --
Mean							65.5	125.4	73.0	6.5	30.2	39.2	2588 --
C.V. (%)							2.0	2.6	6.7	8.8	3.0	3.9	8 --
LSD (0.05)							1.8	4.6	6.8	0.8	1.3	2.2	230 --
LSD (0.10)							1.5	3.9	5.7	0.7	1.1	1.8	193 --

**Plant Date = May 30; Harvest Date = November 15; Previous Crop = Soybean**

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----- Yield -----

Brand	Hybrid	Hybrid Status	Oil Type	Conoil	Tech/ Herbicide Trait	DM Resist.	Days to	Days to	Plant	Harvest	Oil	Test	2-yr.		
							Bloom	Maturity	Height	Moisture	Content	Weight	2023*	Avg.	
							DAP	DAP	inch	%	%	lb/bu	-----	lb/a	-----
Sunrich Products	4415 HO/DM/CLP	CA	HO	No	CP	Yes	65.5	121.3	72.4	6.5	38.8	29.5	2219	2106	
Sunrich Products	4425CL	CA	MO	Yes	CL	No	64.0	128.5	77.7	7.0	36.2	29.1	3080	2572	
Dyna-Gro	H42HO18CL	CA	HO	No	CL	No	64.0	120.5	67.3	6.4	38.1	29.6	1271	1352	
Dyna-Gro	H49HO19CL	CA	HO	No	CL	No	66.0	123.8	70.1	6.9	40.3	29.4	3270	2854	
Dyna-Gro	H45NS16CL	CA	NS	No	CL	No	64.7	119.3	68.8	6.3	40.2	30.5	1611	1678	
Dyna-Gro	H50HO20CP	CA	HO	No	CP	No	66.3	124.0	69.3	6.6	42.8	31.2	2619	2442	
Dyna-Gro	H45HO10EX	CA	HO	No	EX	No	64.5	119.5	66.5	6.0	40.3	28.3	2074	2028	
Dyna-Gro	H47HO11EX	CA	HO	No	EX	No	65.0	135.8	76.2	6.4	38.2	30.8	2741	2594	
Nuseed	Hornet	CA	HO	No	CL	Yes	66.3	125.5	75.2	6.5	41.4	29.8	2447	--	
Nuseed	N4H422 CL	CA	HO	No	CL	Yes	64.5	127.3	79.1	6.0	40.4	31.1	3066	2750	
Nuseed	N4H470 CLP	CA	HO	No	CP	Yes	64.7	125.0	73.0	6.0	41.2	30.6	2358	1994	
Nuseed	N4H521 CL	CA	HO	No	CL	Yes	66.3	128.0	68.5	6.9	41.4	29.9	3413	2972	
Nuseed	Badger DMR	CA	NS	Yes	CL	Yes	64.0	122.0	73.0	6.7	36.6	29.8	1940	--	
Nuseed	Falcon	CA	NS	No	EX	No	65.0	124.5	69.9	6.4	39.9	31.9	2459	2432	
Nuseed	N4H490 E	Exp	HO	No	EX	Yes	66.8	123.5	74.0	6.1	43.0	31.5	3274	--	
Nuseed	N5H493 CL	Exp	HO	Yes	CL	Yes	65.5	122.5	71.3	6.8	34.9	29.0	2149	--	
Nuseed	N4L215 E	Exp	MO	No	EX	Yes	66.0	120.0	68.5	6.3	41.3	30.3	1871	--	
Nuseed	N4H202 E	Exp	HO	No	EX	Yes	66.0	120.5	67.3	6.2	38.7	30.4	1700	--	
Advanta Seeds	ADV XH136	Exp	HO	---	Conv	---	67.0	120.5	66.7	6.7	40.6	31.1	2052	--	
Advanta Seeds	ADV XH182IT	Exp	HO	---	CL	---	67.0	122.5	74.4	6.3	39.8	31.2	2082	--	
Advanta Seeds	ADV XH302IT	Exp	HO	---	CL	---	67.3	124.7	66.4	6.7	38.6	31.2	2670	--	
CROPLAN	CP4255E	CA	HO	No	EX	Yes	64.0	136.5	70.9	6.4	37.7	29.2	3301	--	
CROPLAN	CP4475E	CA	HO	---	EX	---	64.0	126.0	76.3	6.6	38.9	30.7	2716	--	
Mean							65.5	125.4	73.0	6.5	30.2	39.2	2588	--	
C.V. (%)							2.0	2.6	6.7	8.8	3.0	3.9	8	--	
LSD (0.05)							1.8	4.6	6.8	0.8	1.3	2.2	230	--	
LSD (0.10)							1.5	3.9	5.7	0.7	1.1	1.8	193	--	

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\*Best Linear Unbiased Estimate