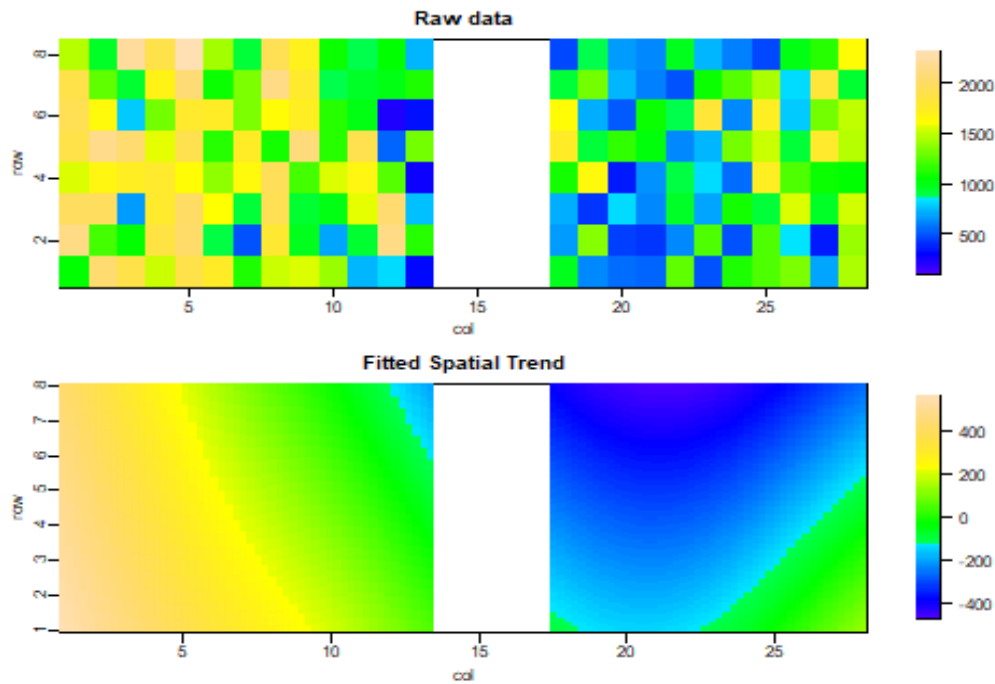


NDSU Carrington Research Extension Center
2025 Variety Trial Data

An internal alley was cut to allow desiccation of the sunflower trial this year. After desiccation, several severe storms occurred and left significant lodging. The Raw Data image shows the yields that were obtained from the trial. A spatial analysis was attempted and can be seen in the Fitted Data image. However, the spatial analysis significantly deflated the yield values. As such, lodge ranges and yield ranges are reported.



**NDSU Carrington Research Extension Center
2025 Variety Trial Data**

Oil Sunflower **Carrington (Page 2 of 3)**

Brand	Hybrid	Hybrid Status	Oil Type	Conoil	Trait	DM Resist.	Days to Bloom	Days to Maturity	Plant Height	Oil Content	Test Weight	Max Lodge	Min Lodge	Min Yield	Max Yield
							DAP	DAP	inch	%	lb/bu	1-9	1-9	lb/ac	lb/ac
USDA	Hybrid 894	Check					65	114	70	38.9	33.7	5	1	663	1043
USDA	559CL	Check					71	120	82	39.6	34.3	5	4	1221	1739
USDA	8N270CLDM	Check					65	117	73	37.4	33.7	3	1	458	987
Winfield Un./Croplan	CP4255E	CA	HO	No	EX	Yes	68	131	71	36.6	33.2	2	1	1139	1553
Winfield Un./Croplan	CP4475E	CA	HO	No	EX	Yes	68	124	77	37.5	32.2	4	1	805	1877
Winfield Un./Croplan	CP4490E	CA	HO	No	EX	Yes	73	126	75	36.3	30.4	4	1	984	1769
Winfield Un./Croplan	CP455E	CA	HO	No	EX	Yes	69	127	77	36.7	32.7	4	2	688	1300
Winfield Un./Croplan	CP5249CL	CA	HO	No	CL	Yes	67	119	69	43.3	31.3	4	2	904	1512
Winfield Un./Croplan	CP7919CL	CA	HO	No	CL	na	71	127	71	39.8	32	5	2	860	1631
Nuseed	N4H422 CL	CA	HO	No	CL	Yes	69	121	81	38.2	33.9	4	2	619	1766
Nuseed	N4H470 CLP	CA	HO	No	CP	Yes	71	124	79	40.5	33	6	1	733	2307
Nuseed	N4H490 E	CA	HO	No	EX	Yes	71	121	76	40.1	34.4	7	2	747	1481
Nuseed	N4H205 E	CA	HO	No	EX	Yes	70	115	72	41.3	31.6	9	5	252	1058
Nuseed	N5H493 CL	CA	HO	Yes	CL	No	71	119	77	28.5	29.3	5	2	709	1925
Nuseed	N4H337 E	CA	HO	No	EX	Yes	70	118	76	40.1	33.9	8	4	505	1935
Nuseed	N4H462 E	CA	HO	No	EX	Yes	72	121	77	40.7	32.8	8	4	541	1380
Thunder Seed	TSU1561H	CA	HO	No	EX	Yes	70	116	72	40.7	32.3	8	6	467	550
Thunder Seed	TSU1582H	CA	HO	No	EX	Yes	71	124	79	39.6	33.9	3	3	900	1941
Thunder Seed	TSU1512H	CA	HO	No	EX	No	69	122	80	38.4	32.2	4	2	470	1813
Thunder Seed	TSU1592N	CA	NS	No	EX	No	71	123	76	38.4	35.4	3	1	1048	1990
Thunder Seed	TCP1533H	CA	HO	No	CP	Yes	71	123	76	40.7	34	2	1	1207	2074
Limagrain	LG50459 SX	EXP	HO	N/A	EX	Yes	72	122	78	35	33.2	3	1	857	1612
Limagrain	LG50487 CLP	EXP	HO	N/A	CP	Yes	67	119	75	37.7	32.3	4	2	677	1118
Limagrain	LG50540 CLP	EXP	HO	N/A	CP	Yes	67	121	73	36.1	31.4	1	1	986	1445
Trial Mean							70	122	77	38.4	32.8				
C.V. (%)							2	2	6	2.3	3				
LSD (0.10)							2	3	5	1	1.2				

Planting Date = June 6; Harvest Date = November 6 and 12; Previous Crop = Durum

**NDSU Carrington Research Extension Center
2025 Variety Trial Data**

Oil Sunflower **Carrington (Page 2 of 3)**

Brand	Hybrid	Hybrid Status	Oil Type	Conoil	Trait	DM Resist.	Days to Bloom	Days to Maturity	Plant Height	Oil Content	Test Weight	Max Lodge	Min Lodge	Min Yield	Max Yield
							DAP	DAP	inch	%	lb/bu	1-9	1-9	lb/ac	lb/ac
Proseed	50068CL	CA	HO	No	CL	Yes	69	124	78	38.1	34.1	2	1	1392	2136
Proseed	E-93 E	CA	HO	No	EX	N/A	72	123	82	38.3	32.5	8	2	313	1198
Proseed	E-2446 E	CA	HO	No	EX	N/A	73	117	87	37	32.1	7	2	622	981
Proseed	EXP2609 E	Exp	HO	No	EX	N/A	69	116	83	38.1	32.4	5	1	616	1708
Proseed	EXP2624 E	EXP	HO	No	EX	N/A	72	124	85	33.9	30.6	2	1	717	2039
Proseed	EXP2625 E	CA	HO	No	EX	N/A	73	126	88	34.1	29.3	2	1	660	1568
Proseed	2578 E	CA	HO	No	EX	Yes	71	116	68	40.2	32.1	8	2	348	1122
Proseed	2534 E	CA	HO	No	EX	Yes	72	123	78	40.2	34.3	6	2	690	1789
Proseed	EXP 2691 CP	Exp	HO	No	CP	Yes	70	125	75	40.6	34.2	7	3	712	1506
Advanta Seeds	ADV 5205CLHO	Exp	HO	N/A	CL	Yes	74	125	84	37.4	33.1	9	1	212	1848
Nutrien/Dyna-Gro	XH41H56 CL	Exp	HO	No	CL	Yes	63	118	56	35.6	30.7	1	1	805	926
Nutrien/Dyna-Gro	H49HO19 CL	CA	HO	No	CL	Yes	73	122	78	39.2	32.8	4	2	1462	2125
Nutrien/Dyna-Gro	H50HO20 CP	CA	HO	No	CP	Yes	71	123	78	40.6	34.6	8	3	586	1630
Nutrien/Dyna-Gro	H45HO10 EX	CA	HO	No	EX	No	70	121	79	38.8	31.1	4	3	596	1621
Nutrien/Dyna-Gro	H47HO11 EX	CA	HO	No	EX	Yes	70	131	83	37	34.9	2	1	910	1357
Nutrien/Dyna-Gro	XH41H90 EX	Exp	HO	No	EX	Yes	71	122	79	40.1	33.4	8	2	424	2063
Nutrien/Dyna-Gro	XH41H54 CL	CA	HO	No	CL	Yes	68	121	79	39.3	34.7	5	1	404	1681
Sunrich Products	4425CL	CA	MO	Yes	CL	No	67	121	76	34.1	31.8	2	1	1214	1896
Sunrich Products	4415HO/DMR/CLP	CA	HO	No	CP	Yes	70	120	77	36.9	33	4	1	954	1899
Advanta Seeds	ADV 5310CL	Exp	Trad.	N/A	CL	Yes	73	122	77	42.3	32.9	4	1	1643	1885
Advanta Seeds	ADV 5407CL	Exp	Trad.	N/A	CL	Yes	73	117	77	43.8	31.3	4	1	1269	2034
Advanta Seeds	Hysun 182IT	Exp	Trad.	N/A	CL	Yes	69	118	77	36.4	33.6	3	1	1028	2149
Advanta Seeds	Hysun 302IT	Exp	Trad.	N/A	CL	Yes	72	120	80	36.7	33.7	6	2	928	1963
Advanta Seeds	ADV 5420CL	Exp	Trad.	N/A	CL	Yes	74	126	75	43.4	32.3	2	1	1969	2222
Trial Mean							70	122	77	38.4	32.8				
C.V. (%)							2	2	6	2.3	3				
LSD (0.10)							2	3	5	1	1.2				

Planting Date = June 6; Harvest Date = November 6 and 12; Previous Crop = Durum

Storms with strong winds were prevalent during dry-down and resulted in uneven lodging significantly affecting yield.