



**SOUTH DAKOTA
STATE UNIVERSITY**

College of Agriculture, Food and Environmental Sciences |
SDSU Extension | South Dakota Agricultural Experiment Station

2025 South Dakota Sunflower Hybrid Trial Results - Gettysburg

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Location: 6.5 miles South of Gettysburg on 311th Ave., 44.915395, -99.938996

Soil type: Eakin-Peno complex, 2-6% slopes

Previous crop: Corn

Tillage: No-till

Row spacing: 30 inches

Seeding rate: 24,000/acre

Fertilizer: 115-0-0

Herbicide:

- Burndown: 32oz Glyphosate
- Pre: 2oz Spartan
- Post: None

Insecticide: 32oz Lorsban 4e

Date seeded: 6/13/2025

Date harvested: 11/24/2025



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Table 1. Sunflower oilseed hybrid performance results (average of 4 replications) at Gettysburg, SD.

Hybrid Information			Agronomic Performance					
Brand	Hybrid	Type*	Yield (lbs/ac) (@10%)	Moisture (%)	Test Weight (lbs/bu)	Oil % (@10%)	Harvest Population (plants/ ac)	Height (in)
CROPLAN	CP7919CL	CL-HO-DM	3229	8.5	25.4	43.5	20326	80
CROPLAN	CP4255E	SU-HO-DM	2841	8.7	25.8	41.7	22625	80
CROPLAN	CP5249CL	CL-HO-DM	2783	7.6	24.7	44.7	23230	72
ADVANTA	ADV 5407CL	CL	2745	7.8	25.7	46.8	23230	82
SUNRICH	4425CL	CL	2736	8.4	26.0	37.7	22746	86
DYNAGRO	H47HO11EX	HO-EX	2687	8.9	28.6	42.3	22262	84
SUNRICH	4415HO/DMR/CLP	HO-DM-CP	2603	8.3	26.7	39.8	23351	87
CROPLAN	CP4490E	SU-HO-DM	2555	8.4	25.8	40.0	23109	80
ADVANTA	ADV 5420CL(V201810)	CL	2501	8.4	25.9	47.0	25286	88
CROPLAN	CP455E	SU-HO-DM	2473	8.3	26.0	42.2	23351	79
THUNDER SEED	TSU1592N	NS-EX	2472	8.2	27.5	41.5	22746	74
DYNAGRO	H49HO19CL	HO-CL	2415	8.3	25.9	41.9	24682	86
DYNAGRO	XH41HO90EX	HO-EX	2399	8.4	26.7	42.2	23835	90
ADVANTA	HYSUN 182IT	CL	2388	7.8	24.9	40.0	21899	79
ADVANTA	HYSUN 302IT	CL	2377	9.2	26.9	37.5	22504	87
ADVANTA	ADV 5310CL	CL	2266	8.1	25.9	43.0	23593	84
DYNAGRO	XH41HO54CL	HO-CL	2255	8.2	25.1	41.9	24077	87
NUSEED	N4H205 E	HO	2189	7.7	24.8	43.2	27343	80
DYNAGRO	XH41HO56CL	HO-CL	2027	8.2	26.4	37.2	24803	62
THUNDER SEED	TCP1533H	HO-CP-DM	2024	8.3	25.7	44.3	24440	87
THUNDER SEED	TSU1582H	HO-EX-DM	1997	8.4	27.5	42.7	24803	88
DYNAGRO	H50HO20CP	HO-CP	1962	8.1	25.3	43.4	24803	88
NUSEED	N4H337 E	HO	1916	8.4	25.3	42.6	27343	87
DYNAGRO	XH41HO70EX	HO-EX	1844	8.0	24.9	44.1	26980	82
NUSEED	N4H422 CL	HO	1819	8.0	25.3	42.6	25165	86
NUSEED	N4H490 E	HO	1756	8.8	27.0	42.4	25891	91
THUNDER SEED	TSU1512H	HO-EX	1684	7.5	21.6	40.6	21294	79
Trial Average			2331	8.2	21.8	42.1	23915	83
LSD (0.05)†			391	0.4	1.1	1.5	2278	4.9
C.V.‡			11.9	3.8	3	2.5	6.8	4.2
*Type: NuSun = NS; Traditional = Trad; High Oleic = HO; Clearfield (IMI) = CL; Clearfield Plus (IMI) = CP; Conoil = CO; ExpressSun (SU) = EX; Downy Mildew Resistant = DM; Rust Resistant = Rust. † Yield or moisture value required ($\geq$ LSD) to determine if varieties are significantly different from one another. ‡ C.V. is a measure of variability or experimental error, 15% or less is acceptable.								