

Table 6. 2019 Sunflower variety(oilseed) performance trial results for Lantry, South Dakota.

Entry	Brand	Hybrid	Moisture (%)	Yield (lb/A)	Oil content	Test Weight (lb/bu)	Plant Height (inch)	2-year Yield (Avg.)
1	Proseed	E-21 CL	14.2	712.2	46.1	26.7	60.1	810.1
2	Proseed	E-31 CL	12.5	1019.8	45.6	26.5	57.7	964.8
3	Proseed	E-362436	13.5	1344.0	45.3	31.2	60.8	973.2
4	Proseed	E-91 E	13.0	1639.9	44.8	31.8	62.0	
5	Proseed	E-92 E	12.5	804.7	45.8	23.4	61.2	
6	SunOpta	4425CL	13.1	1352.5	44.1	32.3	66.3	1115.0
7	SunOpta	4415 HO/CLP/DM	13.8	1173.5	46.1	25.9	58.1	1057.0
8	SunOpta	EX725	13.9	1439.9	45.1	25.9	65.5	1327.9
9	Dyna-Gro	H45NS16CL	13.2	1775.6	45.4	34.3	57.3	1381.2
10	Dyna-Gro	H48HO15CL	18.1	1626.0	44.7	31.8	66.3	1201.0
11	Dyna-Gro	H49HO19CL	14.4	1452.1	44.2	31.0	56.2	1457.5
12	Dyna-Gro	H49NS14CL	18.0	1570.4	44.3	33.1	66.3	1112.0
13	Winfield	CP3845	12.5	830.4	47.3	22.4	62.4	897.6
14	Winfield	CP432E	12.2	1067.7	41.0	29.4	62.4	825.9
15	Winfield	CP450E	13.6	1520.9	45.0	33.1	57.7	1320.8
16	Winfield	CP455E	13.2	1496.4	46.2	28.6	59.3	1323.2
17	Winfield	CP4909E	13.9	1234.5	45.7	34.9	56.2	
18	Winfield	CP545CL	16.0	1413.7	45.0	32.2	55.8	1363.6
19	Winfield	CPX40419E	16.2	1708.7	41.0	30.9	64.4	
20	Winfield	CPX57919CLP	16.8	1205.6	46.4	32.1	45.2	
21	Winfield	CPX59619CLP	14.6	1439.1	44.2	33.7	55.8	
22	NuSeed	N4H470 CL Plus	15.3	1090.0	44.3	25.6	56.9	1210.2
23	NuSeed	N4H302 E	12.5	895.7	41.3	25.2	59.3	1044.5
24	NuSeed	N4H521 CL	16.4	1258.7	46.8	31.5	50.7	1087.1
25	NuSeed	Hornet	15.1	1432.1	43.1	31.6	60.8	1196.6
26	NuSeed	N4HM354	12.8	1294.3	44.8	30.7	59.3	1458.0
27	NuSeed	Falcon	13.1	1626.6	44.5	32.7	56.2	1289.6
28	NuSeed	Camaro II	13.4	1259.5	47.9	31.0	58.5	1153.1
29	NuSeed	N5LM307	13.6	1124.6	44.5	28.4	59.3	887.1
30	NuSeed	Badger DMR	11.0	833.2	47.5	20.8	46.8	933.4
31	CHS	Allegiant 65H81CL	12.9	1490.8	42.1	29.7	62.4	1227.7
32	CHS	Allegiant 70H51CL	15.1	1608.8	44.4	30.7	60.1	1308.2
33	USDA	Check	12.0	697.1	46.9	16.4	51.5	788.7
LSD @ .05 †			2.23	280.54	4.36	7.21		397.44
CV ‡			11.36	13.38	6.93	15.36		30.60
P-Value			<0.001	<0.001	0.218	<0.001		0.01
† Value required (≥LSD) to determine if varieties are significantly different from one another.								
‡ C.V. is a measure of variability or experimental error, 20% or less is considered acceptable.								
2-year yield data was not available for all varieties								