

Table 4. 2019 Sunflower variety (non-oil) performance trial results for Fort Pierre, South Dakota.

Entry	Brand	Hybrid	Harvest moisture (%)	Yield (lb/A)	Test Weight (lb/bu)	Plant Height (inch)	2-year Yield (Avg.)
1	CHS	17VTL0084-EX	13.1	1544.2	18.2	46.4	
2	CHS	17VTL0067-EX	13.1	1485.8	21.1	53.0	
3	RRC	2215	13.3	1888.6	20.0	61.6	1368.2
4	RRC	2215 CL	13.3	1251.8	19.4	52.3	1033.8
5	RRC	2310	13.1	1605.9	21.7	66.7	1291.7
6	RRC	2414	14.0	1981.6	21.3	55.4	1443.6
7	Valia	Valia 41	13.4	1264.8	21.0	67.1	1168.9
8	Valia	H9811EXP	13.3	1856.0	19.4	53.0	1436.7
9	Valia	H9814EXP	13.1	1195.8	22.1	61.6	
10	NuSeed	4334	13.0	1032.8	17.2	62.4	1055.1
11	NuSeed	NSKM53777	13.1	1739.6	20.6	59.3	1350.8
12	USDA	Check	13.1	851.6	19.6	63.6	748.2
LSD @ .05 †			0.5	385.4	5.0		511.48
CV ‡			2.5	15.5	17.3		36.33
P-Value			0.02	<0.001	0.73		0.14
† Value required (\geq 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							