

Table 2. 2018 - Sunflower - Oilseed – Fort Pierre, SD

Company/ Brand	Hybrid	Height (cm)	Rust Severity (%) <sup>1</sup>	Moisture (%)	Test Wt. (lb/bu)	Oil Content (%)	Seed Yield (lb/a)
Pioneer	P63HE90	150	0.5	11.0	25.0	32.3	1,643
Pioneer	P64HE101	129	0.4	10.9	25.2	30.5	1,837
Proseed	Proseed E-21 CL	133	0.5	11.4	24.2	23.5	1,501
Proseed	Proseed E-31 CL	134	0.8	11.4	24.4	34.6	2,144
Proseed	Proseed E-362436	148	0.4	10.7	25.7	33.9	2,065
Proseed	Proseed E-50016 CL	138	0.3	10.2	24.5	35.8	1,800
Proseed	Proseed E-71 CL	133	0.9	10.7	22.7	31.4	1,932
Mycogen	MY8H456CL	138	0.2	10.3	24.6	35.8	2,013
Mycogen	8H449CLDM	130	0.2	11.1	26.5	36.1	2,214
Mycogen	MY8H477CL	136	0.5	11.3	22.1	30.5	1,855
Mycogen	MY8H460CP	134	0.2	10.1	23.5	33.8	1,090
Croplan	3732	140	0.4	11.0	25.9	32.5	2,095
Croplan	3845 HO	146	0.7	10.5	26.1	36.6	2,098
Croplan	545 CL	126	0.3	10.5	27.5	35.2	2,015
Croplan	549 CL	154	0.7	10.5	24.5	35.1	2,323
Croplan	557 CL HO	140	0.5	11.6	25.0	34.8	2,183
Croplan	568 CL HO	122	0.3	11.3	24.1	34.7	2,039
Croplan	432 E	142	0.5	10.7	26.8	31.6	2,438
Croplan	455 E HO	146	0.5	11.1	22.8	32.7	2,248
Croplan	450E HO	150	0.5	10.8	24.4	32.5	1,945
LimaGrain Cereal Seeds	LCSADVX18-001HO	151	0.6	11.5	24.6	37.9	2,301
LimaGrain Cereal Seeds	LCSADVX18-002HO	152	0.9	11.2	24.7	37.2	2,345
LimaGrain Cereal Seeds	LCSADVX18-003HOCLP	146	1.3	11.2	23.6	29.5	1,533
LimaGrain Cereal Seeds	LCSADVX18-004HO	144	1.3	11.2	23.2	33.3	1,541
LimaGrain Cereal Seeds	LCSADVX18-005LN	141	0.5	10.7	23.5	31.0	1,582
LimaGrain Cereal Seeds	LCSADVX18-006HO	150	0.4	10.6	25.8	36.4	2,464
LimaGrain Cereal Seeds	LCSADVX18-007LN	157	0.6	10.7	27.6	36.6	2,508
LimaGrain Cereal Seeds	LCSADVX18-008HOCL	138	1.0	10.1	27.3	35.1	2,049
LimaGrain Cereal Seeds	LCSADVX18-009LN	160	0.6	10.4	23.4	30.3	2,078
LimaGrain Cereal Seeds	LCSADVX18-010LNCLP	146	0.5	10.5	27.5	35.7	1,888
LimaGrain Cereal Seeds	LCSADVX18-011LN	140	1.3	10.7	23.6	34.0	2,265
LimaGrain Cereal Seeds	LCSADVX18-012LNCLP	117	0.1	10.8	24.5	34.5	1,831
LimaGrain Cereal Seeds	LCSADVX18-013LN	162	0.7	10.5	25.8	31.9	1,961
NuSeed	N4HP470	134	0.3	11.4	27.5	37.7	2,313
NuSeed	N4HE302	136	0.6	9.6	29.4	34.3	1,945
NuSeed	N4HM521	129	0.4	11.6	25.3	35.3	2,336
NuSeed	Hornet	111	0.5	10.7	25.2	35.0	2,027
NuSeed	N4HM354	119	0.8	10.7	25.2	36.5	2,173
NuSeed	Falcon	124	0.5	9.7	27.0	36.0	2,069
NuSeed	Camaro II	137	0.5	11.2	27.7	35.5	2,313
NuSeed	N5LM307	130	0.7	10.7	23.6	33.9	2,258
NuSeed	Badger DMR	153	0.7	9.8	21.8	34.9	1,891

Table 2. 2018 - Sunflower - Oilseed – Fort Pierre, SD, continued.

Company/ Brand	Hybrid	Height (cm)	Rust Severity (%) <sup>1</sup>	Moisture (%)	Test Wt. (lb/bu)	Oil Content (%)	Seed Yield (lb/a)
Ag Venture	AF3N692ES	148	0.5	11.3	23.0	35.4	2,344
Ag Venture	AF3H681ES	157	0.5	11.3	27.4	33.4	1,874
Ag Venture	AF3N94CD	149	0.5	10.9	25.4	32.9	2,142
Ag Venture	AF4H95CD	131	0.5	11.2	25.2	36.1	2,180
Ag Venture	XF422HC	120	0.5	11.1	25.6	33.5	2,229
Ag Venture	XF2N14CD	134	0.8	10.4	25.3	36.4	2,487
Ag Venture	XF2665HE	155	0.6	10.3	28.1	36.8	2,136
Allegiant	65H51CL	135	0.3	10.6	26.6	37.0	2,066
Allegiant	70H81CL	129	0.2	10.3	25.7	38.7	2,090
USDA	–	120	1.0	10.0	23.7	29.4	1,367
	P-value	0.002	<0.001	<0.001	<0.001	<0.001	<0.001
	CV %	8.0	44.9	3.9	5.8	5.0	12.1
	LSD 0.05	22.2	0.3	0.9	3.0	3.5	493.4
	LSD 0.10	18.5	0.3	0.7	2.5	2.9	411.8

<sup>1</sup>Rust severity is the mean percent disease severity on the upper four leaves of 10 plants that were randomly selected in the center two rows (Shtienberg 1995).

Planted: June 29.

Harvested: November 14.