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SOUTH DAKOTA STATE UNIVERSITY®
AGRONOMY, HORTICULTURE, & PLANT SCIENCE DEPARTMENT

2019 South Dakota Barley Variety Trial Results Draper

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Cooperator:	Paul Patterson
Location:	Draper, SD
Soil Type:	Santana Loam
Fertilizer:	70 lbs N - 28%UAN
Previous crop:	Winter Wheat
Tillage:	No-till
Row spacing:	10"
Date seeded:	4/29/2019
Date harvested:	8/28/2019

Table 2. 2019 barley varieties tested at Draper, SD§.

Variety Name	Number of Rows
AAC Synergy	2
ABI Balster	2
Conlon	2
Explorer	2
Innovation	6
Lacey	6
LCS Genie	2
ND Genesis	2
Pinnacle	2
Sirish	2
Stellar-ND	6
Tradition	6

§ Values in bold rank in the top third of all varieties for each category

Table 3. 2019 barley variety performance trial results (average of 4 replications) at Draper, SD§.

Variety	Height (in)	Test Wt (lbs)	2018 (bu/a)
AAC Synergy	22	42.7	45
ABI Balster	26	45.0	40
Conlon	21	44.5	38
Explorer	20	44.7	45
Innovation	25	43.6	40
Lacey	26	43.5	40
LCS Genie	27	42.0	31
ND Genesis	30	42.2	47
Pinnacle	27	43.2	43
Sirish	22	43.8	37
Stellar-ND	23	40.1	35
Tradition	24	43.5	35
Trial Average	24	43.2	40
LSD (0.05)†	-	0.9	8
C.V. %‡	-	1	12

§ Values in bold rank in the top third of all varieties for each category

† 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.