



SEPTEMBER 2018

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

2018 South Dakota Spring Wheat Variety Trial Results Doland

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Cooperator: Matt Gilbert

Location: 44.651855°, -98.119772°

Soil Type: Dimo-Grat loams, 0-2% slopes

Previous crop: Soybeans
Tillage: No-till
Row spacing: 8"

Seeding Rate: 1.8 million PLS/acre

Fertilizer:

-Starter: 90 lb/acre 30-10-10

-Other: 185lb acre 46-0-0 broadcast at Feekes 5-6

Herbicide:

-Burndown: NR

-Post: 1.5 pt Bromac

Fungicide: none

 Date seeded:
 4/30/2018

 Date harvested:
 8/3/2018

Notes: Trial was affected by drought conditions



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Table 1. 2018 spring wheat variety performance trial results (average of 4 replications) at Doland, SD. Entries are sorted by overall 3-year yield. Varieties yielding in the top 1/3 of the trial are shaded light blue.

CST rigger	-		-	,	-	·	ſ	Y .	,	ľ
WB9653	Variety	Height (in)	Lodging* (1-5)	Test Wt (lbs)		2016 (bu/a)	2017 (bu/a)	2018 (bu/a)		3-year (bu/a)
HRS 3419 61.6 16.4 69.1 49.6 47.1 48.4 55.3 HRS 3504 61.4 16.6 72.0 49.9 41.9 45.9 54.6 HRS 3100 60.8 17.0 68.9 49.5 42.5 46.0 53.6 Lang-MN - 60.8 17.7 64.8 49.1 44.1 46.6 52.7 MS Chevelle - 61.4 16.3 68.0 46.7 42.3 44.5 52.4 Shelly 61.5 17.1 61.5 48.5 48.5 44.8 47.7 52.3 SY Valda 61.5 17.1 61.5 48.5 48.5 44.8 47.7 52.3 SY Valda 61.5 17.1 61.5 48.5 48.5 44.9 44.9 51.6 SY Ingmar - 62.5 17.9 66.7 44.3 42.2 43.3 51.1 SY Ingmar - 62.5 17.9 66.7 44.3 42.2 43.3 51.1 SY Ingmar - 62.5 17.9 66.7 44.3 42.2 43.3 51.1 SY Ingmar - 60.8 18.2 68.1 47.2 37.4 42.3 50.9 HRS 3616 59.9 18.4 61.8 49.6 40.9 45.3 50.8 HRS 3530 - 60.1 17.8 63.4 39.7 47.9 43.8 50.4 Prosper - 61.0 16.7 64.8 36.4 47.8 42.1 49.7 Prevail - 60.1 17.5 66.6 43.8 37.7 40.8 49.4 59.5 YRustler - 60.1 17.5 66.6 43.8 37.7 40.8 49.4 59.5 YRustler - 60.1 17.5 66.6 43.8 37.7 40.8 49.4 59.5 YRustler - 60.6 18.0 64.4 41.2 37.2 39.2 47.6 Faller - 60.8 16.3 58.3 39.5 44.6 42.1 47.5 Select - 61.8 17.4 60.2 43.7 38.3 41.0 47.4 Focus - 61.8 17.4 60.2 43.7 38.3 41.0 47.4 Focus - 61.8 17.4 60.2 43.7 38.3 41.0 47.4 Focus - 60.2 17.8 59.3 36.9 38.1 46.7 50.4 Faller - 60.8 16.3 58.3 39.5 44.6 42.1 47.5 Select - 61.8 17.4 60.2 43.7 38.3 41.0 47.4 Focus - 60.2 17.8 59.3 40.0 38.6 47.0 47.0 Eliner - 60.2 17.8 59.3 36.9 38.1 46.7 50.4 Eliner - 60.2 17.8 59.3 36.9 38.1 46.7 50.4 Eliner - 60.2 17.8 59.3 36.9 38.1 46.7 50.4 Eliner - 60.2 17.8 59.3 36.9 38.1 46.7 50.4 Eliner - 60.2 17.8 59.3 36.9 38.1 46.7 50.4 Eliner - 60.2 17.3 59.3 36.9 38.1 46.7 50.4 Eliner - 60.2 17.3 59.3 36.9 38.1 46.7 36.7 Eliner - 60.2 17.3 59.3 36.9 38.1 36.9 40.1 38.5 45.4 Eliner - 60.2 17.9 40.2 43.7 38.3 41.0 47.4 48.8 Eliner - 60.2 17.8 59.3 36.9 38.1 46.7 36.7 Eliner - 60.2 17.9 40.2 43.7 38.3 41.0 47.4 48.8 41.3 49.4 Eliner - 60.2 17.9 40.2 43.7 38.3 41.0 47.4 48.8 41.3 49.4 Eliner - 60.2 17.9 40.2 43.7 38.3 41.0 47.4 48.8 Eliner - 60.2 17.9 40.2 43.7 38.3 41.0 47.4 48.8 Eliner - 60.2 17.9 40.2 43.7 38.3 41.0 47.4 49.7 59.8 Eliner - 60.2 17.9 40.2 43.7 38.3 41.0 47.4 49.7 59.0	LCS Trigger	-	-	62.2	15.5	72.3	52.5	56.7	54.6	60.5
HRS 3504 61.4 16.6 72.0 49.9 41.9 45.9 54.6 HRS 3100 60.8 17.0 68.9 49.5 42.5 46.0 53.6 Lang-MM 60.8 17.7 64.8 49.1 44.1 46.6 52.7 MS Chevelle 61.4 16.3 68.0 46.7 42.3 44.5 52.4 Shely 61.5 17.1 61.5 48.5 46.8 47.7 52.3 SY Valda 61.4 17.6 65.2 43.9 45.9 44.9 51.6 SY lngmar 62.5 17.9 66.7 44.3 42.2 43.3 51.1 Surpass 60.8 18.2 68.1 47.2 37.4 42.3 50.9 HRS 3616 59.9 18.4 61.8 49.6 40.9 45.3 50.9 HRS 3630 60.1 17.8 63.4 39.7 47.9 43.8 50.4 HRS 3616 60.1 17.8 63.4 39.7 47.9 43.8 50.4 HRS 3616 60.1 17.5 66.6 43.8 37.7 40.8 49.4 Forefront - 60.1 17.5 66.6 43.8 37.7 40.8 49.4 Forefront - 60.8 18.0 64.4 41.2 37.2 39.2 47.6 Faller 60.8 16.3 58.3 39.5 41.0 47.4 Focus 60.8 16.3 58.3 39.5 44.6 42.1 47.5 Select - 61.8 17.4 60.2 43.7 38.3 41.0 47.4 Focus 60.8 16.3 59.3 30.9 38.1 46.7 Boost 60.2 17.8 59.3 40.0 38.8 39.4 46.0 Advance 62.0 17.3 59.3 36.9 40.1 38.5 45.4 Brick Holler 60.2 17.8 59.3 40.0 38.8 39.4 46.0 Advance 62.0 17.3 59.3 36.9 40.1 38.5 45.4 Brick Holler 60.2 17.8 59.3 40.0 38.8 39.4 46.0 Advance 62.0 17.3 59.3 36.9 30.1 38.6 47.0 Linkert 61.4 18.6 63.9 39.3 36.9 38.1 46.7 Brick Holler 60.4 17.8 59.3 40.0 38.8 39.4 46.0 Advance 62.0 17.3 59.3 36.9 40.1 38.5 45.4 Brick Holler 61.1 17.8 59.3 40.0 38.8 39.4 46.0 Advance 62.0 17.3 59.3 36.9 40.1 38.5 45.4 Brick Holler 61.1 18.7 - 44.2 38.4 41.3 - WB9519 - 62.5 17.1 - 44.7 43.2 43.3 - 1 Advance - 61.2 17.9 - 44.2 42.4 43.3 - 1 Advance - 61.2 17.9 - 44.2 38.4 41.3 - 1 Advance - 61.2 17.9 - 44.2 38.4 41.3 - 1 Advance - 61.1 18.7 - 44.2 38.4 41.3 - 1 Advance - 61.1 18.7 - 44.2 38.4 41.3 - 4 Advance - 61.1 18.7 - 44.2 38.4 41.3 - 4 Advance - 61.1 18.7 - 44.2 38.4 41.3 - 4 Advance - 61.1 18.7 - 44.2 38.4 41.3 - 4 Advance - 61.1 18.7 - 44.2 38.4 41.3 - 4 Advance - 61.1 18.7 - 44.2 38.4 41.3 - 4 Advance - 61.1 18.7 - 44.2 38.4 41.3 - 4 Advance - 61.1 18.7 - 44.2 38.4 41.3 - 4 Advance - 61.1 18.7 - 44.2 38.4 41.3 - 4 Advance - 61.1 18.7 - 44.2 38.4 41.3 - 4 Advance - 61	WB9653	_	-	61.3	16.3	68.9	51.4	46.1	48.8	55.5
HRS 3100 60.8 17.0 68.9 49.5 42.5 46.0 53.6 Lang-MN 60.8 17.7 64.8 49.1 44.1 46.6 52.7 MS Chevelle 61.4 16.3 68.0 46.7 42.3 44.5 52.4 Shelly 61.5 17.1 61.5 48.5 46.8 47.7 52.3 SY Valda 61.4 17.6 65.2 48.5 46.8 47.7 52.3 SY Valda 62.5 17.9 66.7 44.3 42.2 43.3 51.6 SY Valda 62.5 17.9 66.7 44.3 42.2 43.3 51.6 SY Valda 60.8 18.2 68.1 47.2 37.4 42.3 50.9 HRS 3616 59.9 18.4 61.8 49.6 40.9 45.3 50.8 HRS 3530 60.1 17.8 63.4 39.7 47.9 43.8 50.4 Prosper 61.0 16.7 64.8 36.4 47.8 42.1 49.7 Prevail 60.2 16.9 65.0 44.4 39.0 41.7 49.5 SY Rustler 60.1 17.5 66.6 43.8 37.7 40.8 49.5 49.5 Faller 60.6 18.0 64.4 41.2 37.2 39.2 47.6 Faller 60.8 16.3 58.3 39.5 44.6 42.1 47.5 Select 61.8 17.4 60.2 43.7 38.3 41.0 47.5 Select 61.8 17.4 60.2 43.7 38.3 41.0 47.6 Focus 60.2 17.8 59.3 36.9 40.1 38.5 45.4 Brick 61.2 17.9 44.8 59.4 Sp.4 Sp.4 Sp.4 Sp.4 Sp.4 Sp.4 Sp.4 Sp	HRS 3419	_	-	61.6	16.4	69.1	49.6	47.1	48.4	55.3
Lang-MN MS Chevelle 61.4 16.3 68.0 46.7 42.3 44.5 52.7 MS Chevelle 61.5 17.1 61.5 48.5 46.8 47.7 52.3 SY Valda 61.5 17.1 61.5 48.5 46.8 47.7 52.3 SY Valda 61.5 17.1 61.5 48.5 46.8 47.7 52.3 SY Valda 61.5 17.6 65.2 43.9 45.9 44.9 51.6 SY Ingmar 62.5 17.9 66.7 44.3 42.2 43.3 51.1 Surpass 60.8 18.2 68.1 47.2 37.4 42.3 50.9 HRS 3616 59.9 18.4 61.8 49.6 40.9 45.3 50.8 HRS 3530 60.1 17.8 63.4 39.7 47.9 43.8 50.4 Prosper 61.0 16.7 64.8 36.4 47.8 42.1 49.7 Prevail 60.2 16.9 65.0 44.4 39.0 41.7 49.5 SY Rustler - 60.1 17.5 66.6 43.8 37.7 40.8 49.4 Forefront 61.3 17.9 63.4 47.7 35.7 41.7 48.9 RB07 - 60.6 18.0 64.4 41.2 37.2 39.2 47.6 Faller - 60.8 16.3 58.3 39.5 44.6 42.1 47.5 Select - 61.8 17.4 60.2 43.7 38.3 41.0 47.4 Focus - 60.9 18.7 63.8 43.2 34.0 38.6 47.0 Linkert - 61.4 18.6 63.9 39.3 36.9 38.1 46.7 Boost - 62.0 17.3 59.3 40.0 38.8 39.4 46.0 Advance - 62.0 17.3 59.3 36.9 39.1 38.6 47.0 Brick - 61.6 17.4 56.0 41.9 36.4 39.1 44.8 Bolles - 61.6 17.4 56.0 41.9 36.4 39.1 44.8 Bolles - 61.6 17.4 56.0 41.9 36.4 39.1 44.8 Bolles - 61.6 17.4 56.0 41.9 36.4 39.1 44.8 Bolles - 61.6 17.4 56.0 41.9 36.4 39.1 44.8 Bolles - 61.6 17.4 56.0 41.9 36.4 43.5 - Ambush - 61.5 18.2 - 43.2 42.4 43.3 - Ambush - 61.6 17.4 56.0 41.9 36.4 39.1 44.8 Bolles - 61.3 18.2 - 43.2 42.4 43.3 - BOS 17.9 18.2 18.2 18.2 18.2 18.2 18.2 18.2 18.2	HRS 3504	_	_	61.4	16.6	72.0	49.9	41.9	45.9	54.6
MS Chevelle 61.4 16.3 68.0 46.7 42.3 44.5 52.4 Shelly 61.5 17.1 61.5 48.5 46.8 47.7 52.3 SY Valda 61.5 17.1 61.5 48.5 46.8 47.7 52.3 SY Valda 62.5 17.9 66.7 44.3 42.2 43.3 51.1 Surpass 60.8 18.2 68.1 47.2 37.4 42.3 50.9 HRS 3616 59.9 18.4 61.8 49.6 40.9 45.3 50.8 HRS 3530 - 60.1 17.8 63.4 39.7 47.9 43.8 50.4 Prosper - 60.1 17.8 63.4 36.4 47.8 42.1 49.7 Prevail 60.2 16.9 65.0 44.4 39.0 41.7 49.5 YR Ustler - 60.1 17.5 66.6 43.8 37.7 40.8 49.4 Forefront - 60.1 17.5 66.6 43.8 37.7 40.8 49.4 Forefront - 60.1 17.5 66.6 43.8 37.7 40.8 49.4 Forefront - 60.6 18.0 64.4 41.2 37.2 39.2 47.6 Faller - 60.8 16.3 58.3 39.5 44.6 42.1 47.4 Focus - 61.8 17.4 60.2 43.7 38.3 41.0 47.4 Focus - 61.8 17.4 60.2 43.7 38.3 41.0 47.4 Focus - 60.2 17.8 59.3 40.0 38.8 39.4 46.0 Boost - 60.2 17.8 59.3 40.0 38.8 39.4 46.0 Boost - 60.2 17.8 59.3 40.0 38.8 39.4 46.0 Boost - 60.2 17.8 59.3 36.9 40.1 38.5 45.4 Brick - 61.6 17.4 56.0 41.9 36.4 39.1 44.8 Bolles - 59.8 20.0 56.2 37.3 39.8 36.6 44.4 Brick - 61.3 18.2 - 43.2 43.8 43.5 - 44.4 Brick - 61.3 18.2 - 43.2 43.8 43.5 - 44.4 Brick - 61.1 18.7 - 62.5 17.1 - 46.7 47.8 47.2 WB9519 - 61.3 18.2 - 43.2 43.8 43.5 - 44.4 WB9719 - 61.1 18.7 - 44.7 47.8 47.2 WB9719 - 61.1 18.7 - 44.7 47.8 47.2 WB9719 - 61.1 18.7 - 44.2 42.4 43.3 - 44.4 WB9719 - 61.1 18.7 - 44.7 47.8 47.2 - 44.4 47.2 37.4 38.3 44.0 - 44.4 WB9719 - 61.1 18.7 - 44.7 47.8 47.2 - 44.4 47.2 47.5 Brick - 61.6 17.4 56.0 41.9 36.4 39.1 44.8 Bolles - 59.8 20.0 56.2 37.3 39.8 36.6 44.4 WB9719 - 61.1 18.7 - 44.7 47.8 47.2 - 44.4 47.2 47.4 47.2 - 44.4 47.2 47.4 47.5 Erick - 61.1 18.7 - 44.7 47.8 47.2 - 44.4 47.2 47.4 47.2 - 44.4 47.2 47.4 47.2 - 44.4 47.2 47.4 47.2 - 44.4 47.2 47.4 47.2 - 44.4 47.2 47.4 47.5 47.5 47.8 47.2 47.2 47.5 47.5 47.8 47.2 47.5 47.5 47.5 47.5 47.5 47.5 47.5 47.5	HRS 3100	-	-	60.8	17.0	68.9	49.5	42.5	46.0	53.6
Shelly - - 61.5 17.1 61.5 48.5 46.8 47.7 52.3 SY Valida - - 61.4 17.6 65.2 43.9 45.9 44.9 51.6 SY Ingmar - 62.5 17.9 66.7 44.3 42.2 43.3 51.1 Surpass - - 60.8 18.2 68.1 47.2 37.4 42.3 50.9 HRS 3616 - - 59.9 18.4 61.8 49.6 40.9 45.3 50.8 HRS 3530 - - 60.1 17.8 63.4 39.7 47.9 43.8 50.4 Prosper - - 60.0 16.7 64.8 36.4 47.8 42.1 49.7 Prevail - - 60.2 16.9 65.0 44.4 39.0 41.7 49.5 SY Rustler - - 60.1 17.5 66.6 43.8	Lang-MN	_	_	60.8	17.7	64.8	49.1	44.1	46.6	52.7
SY Valda - 61.4 17.6 65.2 43.9 45.9 44.9 51.6 SY Ingmar - 62.5 17.9 66.7 44.3 42.2 43.3 51.1 Surpass - 60.8 18.2 68.1 47.2 37.4 42.3 50.9 HRS 3616 - 59.9 18.4 61.8 49.6 40.9 45.3 50.8 HRS 3530 - 60.1 17.8 63.4 39.7 47.9 43.8 50.4 Prosper - 61.0 16.7 64.8 36.4 47.8 42.1 49.7 Prosper - 60.2 16.9 65.0 44.4 39.0 41.7 49.5 SY Rustler - 60.1 17.5 66.6 43.8 37.7 40.8 49.4 Forefront - 60.1 17.9 63.4 47.7 35.7 41.7 48.9 RBO7 - 60.8 <	MS Chevelle	_	_	61.4	16.3	68.0	46.7	42.3	44.5	52.4
SY Ingmar 62.5 17.9 66.7 44.3 42.2 43.3 51.1 Surpass 60.8 18.2 68.1 47.2 37.4 42.3 50.9 HRS 3616 59.9 18.4 61.8 49.6 40.9 45.3 50.8 HRS 3530 60.1 17.8 63.4 39.7 47.9 43.8 50.4 Prosper 61.0 16.7 64.8 36.4 47.8 42.1 49.7 Prevail 60.2 16.9 65.0 44.4 39.0 41.7 49.5 SY Rustler 60.1 17.5 66.6 43.8 37.7 40.8 49.4 Forefront 61.3 17.9 63.4 47.7 35.7 41.7 48.9 RB07 60.8 16.3 58.3 39.5 44.6 42.1 47.5 Select 61.8 17.4 60.2 43.7 38.3 41.0 47.4 Focus 60.9 18.7 63.8 43.2 34.0 38.6 47.0 Linkert 60.2 17.8 59.3 30.9 33.1 46.7 Boost 60.2 17.8 59.3 40.0 38.8 39.4 46.0 Advance 62.0 17.3 59.3 36.9 40.1 38.5 45.4 Brick 61.6 17.4 56.0 41.9 36.4 39.1 44.8 Bolles 59.8 20.0 56.2 37.3 39.8 36.9 43.1 44.8 Bolles 61.6 17.4 56.0 41.9 36.4 39.1 38.5 45.4 Brick 61.6 17.4 56.0 41.9 36.4 39.1 44.8 Bolles 59.8 20.0 56.2 37.3 39.8 36.9 43.5 - ND Vitpro - 60.4 17.8 - 39.8 42.9 41.3 - ND Vitpro - 60.4 17.9 - 44.2 43.8 43.5 - ND Vitpro - 60.4 17.9 - 44.2 38.4 41.3 - ND Vitpro - 60.4 17.9 - 44.2 38.4 41.3 - ND Vitpro - 60.4 17.9 - 44.2 38.4 41.3 - ND Vitpro - 60.4 17.9 - 44.2 38.4 41.3 - ND Vitpro - 60.4 17.8 - 39.8 42.9 41.3 - ND Vitpro - 60.4 17.8 - 39.8 42.9 41.3 - ND Vitpro - 60.4 17.8 - 39.8 42.9 41.3 - ND Vitpro - 60.4 17.8 - 39.8 42.9 41.3 - ND Vitpro - 60.4 17.8 - 39.8 42.9 41.3 - ND Vitpro - 60.4 17.8 - 39.8 42.9 41.3 - ND Vitpro - 60.6 61.3 17.2 - 44.4 32.3 38.4 - ND Vitpro - 60.6 61.3 17.2 - 44.4 32.3 38.4 - ND Vitpro - 60.6 61.3 17.2 - 44.4 32.3 38.4 - ND Vitpro - 60.6 61.3 17.2 - 44.4 32.3 38.4 - ND Vitpro - 60.6 61.3 17.9 - 44.2 38.4 41.3 - ND Vitpro - 60.6 61.3 17.9 - 44.2 38.4 41.3 - ND Vitpro - 60.6 61.3 17.9 - 44.2 38.4 41.3 - ND Vitpro - 60.6 61.3 17.2 - 44.4 32.3 38.4 - ND Vitpro - 60.6 61.3 17.2 - 44.4 32.3 38.4 - ND Vitpro - 60.6 61.3 17.9 - 44.2 32.3 38.4 - ND Vitpro - 60.	Shelly	_	_	61.5	17.1	61.5	48.5	46.8	47.7	52.3
Surpass - - 60.8 18.2 68.1 47.2 37.4 42.3 50.9 HRS 3616 - - 59.9 18.4 61.8 49.6 40.9 45.3 50.8 HRS 3530 - - 60.1 17.8 63.4 39.7 47.9 43.8 50.4 Prosper - 61.0 16.7 64.8 36.4 47.8 42.1 49.7 Prosper - 60.2 16.9 65.0 44.4 39.0 41.7 49.5 SY Rustler - 60.1 17.5 66.6 43.8 37.7 40.8 49.4 Frorfront - - 61.3 17.9 63.4 47.7 35.7 41.7 48.9 RBO7 - 60.6 18.0 64.4 41.2 37.2 39.2 47.6 Faller - 61.6 18.0 64.4 41.2 37.2 39.2 47.0	SY Valda	-	-	61.4	17.6	65.2	43.9	45.9	44.9	51.6
Surpass - - 60.8 18.2 68.1 47.2 37.4 42.3 50.9 HRS 3616 - - 59.9 18.4 61.8 49.6 40.9 45.3 50.8 HRS 3530 - - 60.1 17.8 63.4 39.7 47.9 43.8 50.4 Prosper - 61.0 16.7 64.8 36.4 47.8 42.1 49.7 Prosper - 60.2 16.9 65.0 44.4 39.0 41.7 49.5 SY Rustler - 60.1 17.5 66.6 43.8 37.7 40.8 49.4 Frorfront - - 61.3 17.9 63.4 47.7 35.7 41.7 48.9 RBO7 - 60.6 18.0 64.4 41.2 37.2 39.2 47.6 Faller - 61.6 18.0 64.4 41.2 37.2 39.2 47.0	SY Ingmar	_	_	62.5	17.9	66.7	44.3	42.2	43.3	51.1
HRS 3530		_	_	60.8	18.2	68.1	47.2	37.4	42.3	50.9
Prosper - - 61.0 16.7 64.8 36.4 47.8 42.1 49.7 Prevail - - 60.2 16.9 65.0 44.4 39.0 41.7 49.5 SY Ruster - - 60.1 17.5 66.6 43.8 37.7 40.8 49.4 Forefront - - 60.6 18.0 64.4 47.7 35.7 41.7 48.9 RB07 - - 60.6 18.0 64.4 41.2 37.2 39.2 47.6 Faller - - 60.8 16.3 58.3 39.5 44.6 42.1 47.5 Select - - 60.8 16.3 58.3 39.5 44.6 42.1 47.5 Select - - 60.9 18.7 63.8 43.2 34.0 38.6 47.0 Brost - - 60.2 17.8 59.3 40.0	HRS 3616	_	_	59.9	18.4	61.8	49.6	40.9	45.3	50.8
Prevail - - 60.2 16.9 65.0 44.4 39.0 41.7 49.5 SY Rustler - - 60.1 17.5 66.6 43.8 37.7 40.8 49.4 Forefront - - 61.3 17.9 63.4 47.7 35.7 41.7 48.9 RB07 - - 60.6 18.0 64.4 41.2 37.2 39.2 47.6 Faller - - 60.8 16.3 58.3 39.5 44.6 42.1 47.5 Select - - 61.8 17.4 60.2 43.7 38.3 41.0 47.4 Focus - - 60.9 18.7 63.8 43.2 34.0 38.6 47.0 Linkert - - 60.2 17.3 59.3 40.0 38.8 39.4 46.7 Boost - - 60.2 17.3 59.3 36.9	HRS 3530	-	-	60.1	17.8	63.4	39.7	47.9	43.8	50.4
SY Rustler - - 60.1 17.5 66.6 43.8 37.7 40.8 49.4 Forefront - - 61.3 17.9 63.4 47.7 35.7 41.7 48.9 RBO7 - - 60.6 18.0 64.4 41.2 37.2 39.2 47.6 Faller - - 60.8 16.3 58.3 39.5 44.6 42.1 47.5 Select - - 61.8 17.4 60.2 43.7 38.3 41.0 47.4 Focus - - 60.9 18.7 63.8 43.2 34.0 38.6 47.0 Linkert - - 60.9 18.7 63.8 43.2 34.0 38.6 47.0 Linkert - - 60.2 17.8 59.3 40.0 38.8 39.4 46.7 Boost - - 60.2 17.3 59.3 36.9	Prosper	_	_	61.0	16.7	64.8	36.4	47.8	42.1	49.7
Forefront	· ·	_	_	60.2	16.9	65.0	44.4	39.0	41.7	49.5
Forefront - - 61.3 17.9 63.4 47.7 35.7 41.7 48.9	SY Rustler	_	_	60.1	17.5	66.6	43.8	37.7	40.8	49.4
Faller	Forefront	_	-	61.3	17.9				ł	48.9
Faller	RB07	_	_							
Select - - 61.8 17.4 60.2 43.7 38.3 41.0 47.4 Focus - - 60.9 18.7 63.8 43.2 34.0 38.6 47.0 Linkert - - 61.4 18.6 63.9 39.3 36.9 38.1 46.7 Boost - - 60.2 17.8 59.3 40.0 38.8 39.4 46.0 Advance - - 62.0 17.3 59.3 36.9 40.1 38.5 45.4 Brick - - 61.6 17.4 56.0 41.9 36.4 39.1 44.8 Bolles - - 61.6 17.4 56.0 41.9 36.4 39.1 44.8 Bolles - - 61.6 17.4 56.0 41.9 36.4 49.1 44.8 WB9719 - - 61.3 18.2 - 43.2 <		_	_							
Focus		_	_				l			
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Boost Advance - - 60.2 17.8 59.3 40.0 38.8 39.4 46.0 Advance - - 62.0 17.3 59.3 36.9 40.1 38.5 45.4 Brick - - 61.6 17.4 56.0 41.9 36.4 39.1 44.8 Bolles - - 59.8 20.0 56.2 37.3 39.8 38.6 44.4 WB9719 - - 62.5 17.1 - 46.7 47.8 47.2 - WB9590 - - 61.3 18.2 - 43.2 43.8 43.5 - Ambush - - 61.2 17.9 - 44.2 42.4 43.3 - ND Vitpro - - 60.4 17.8 - 39.8 42.9 41.3 - LCS Rebel - - 60.0 17.9 - 42.0 37.7 <td>Linkert</td> <td>_</td> <td>_</td> <td>61.4</td> <td>18.6</td> <td>63.9</td> <td>39.3</td> <td>36.9</td> <td>38.1</td> <td></td>	Linkert	_	_	61.4	18.6	63.9	39.3	36.9	38.1	
Advance - 62.0 17.3 59.3 36.9 40.1 38.5 45.4 Brick - - 61.6 17.4 56.0 41.9 36.4 39.1 44.8 Bolles - - 59.8 20.0 56.2 37.3 39.8 38.6 44.4 WB9719 - - 62.5 17.1 - 46.7 47.8 47.2 - WB9590 - - 61.3 18.2 - 43.2 43.8 43.5 - Ambush - - 61.2 17.9 - 44.2 42.4 43.3 - ND Vitpro - - 60.4 17.8 - 39.8 42.9 41.3 - WB9479 - - 61.1 18.7 - 44.2 38.4 41.3 - MS Camaro - - 59.8 18.5 - 44.4 32.3 38.4	Boost	_	_	60.2	17.8			38.8	39.4	46.0
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LSD(0.05)† - 0.6 0.5 7.1 8.2 5.1		_	-			63.0	43.5		43.0	50.2
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· ······· -·· -·· -·· -·· -··	C.V.%‡	-	-	0.7	2.1	8.1	13.6	8.9	-	_

^{*} Lodging score: 1, perfectly standing; to 5, completely flat.

[#] Trial averages may include values from experimental lines that are not reported.

[†] Value required (>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 considered acceptable.