



2018 Dryland Winter Wheat Variety  
Performance Trial at Orchard

Variety	Brand/Source	Market Class	Yield	Test Weight	Plant Height	Wheat Stem Sawfly
			bu/ac	lb/bu	in	score (1-9) <sup>a</sup>
Langin	PlainsGold	HRW	<b>63.1</b>	62.6	31	4
Byrd	PlainsGold	HRW	56.7	63.4	31	6
Antero	PlainsGold	<b>HWW</b>	54.5	62.9	29	5
Breck	PlainsGold	<b>HWW</b>	54.5	64.7	25	6
Incline AX	PlainsGold	HRW	53.1	61.2	30	5
Oakley CL	Kansas Wheat Alliance	HRW	52.4	62.7	32	6
Hatcher	PlainsGold	HRW	52.4	63.3	30	5
Denali	PlainsGold	HRW	52.2	63.9	29	4
WB-Grainfield	WestBred Monsanto	HRW	51.3	63.7	28	4
Brawl CL Plus	PlainsGold	HRW	51.1	62.9	31	5
SY Monument	AgriPro Syngenta	HRW	49.6	63.6	28	4
WB4462	WestBred Monsanto	HRW	49.5	63.9	29	3
Sunshine	PlainsGold	<b>HWW</b>	48.9	63.8	26	5
Long Branch	Dyna-Gro Seed	HRW	48.0	63.6	27	7
Avery	PlainsGold	HRW	47.9	63.6	30	5
SY Rugged	AgriPro Syngenta	HRW	47.9	62.3	25	8
WB4721	WestBred Monsanto	HRW	47.1	64.3	27	4
Winterhawk	WestBred Monsanto	HRW	46.9	63.6	28	4
LCS Mint	Limagrain Cereal Seeds	HRW	46.3	63.8	26	3
SY Legend CL2	AgriPro Syngenta	HRW	46.1	64.1	30	7
WB4418	WestBred Monsanto	HRW	45.8	63.1	25	1
AM Eastwood	AgriMaxx Wheat	HRW	45.3	63.8	25	3
Snowmass	PlainsGold	<b>HWW</b>	45.3	64.2	28	7
SY Wolf	AgriPro Syngenta	HRW	44.2	63.3	28	2
LCS Chrome	Limagrain Cereal Seeds	HRW	35.4	63.5	27	7
<b>Experimentals</b>						
CO15SFD092	Colorado State University exp.	HRW	<b>63.4</b>	63.5	27	5
CO12D597	Colorado State University exp.	HRW	<b>60.9</b>	63.2	28	5
CO13D1783	Colorado State University exp.	HRW	59.4	63.1	28	5
CO12D296	Colorado State University exp.	HRW	58.5	64.4	31	5
CO14A136	Colorado State University exp.	HRW	57.5	63.4	32	5
CO15D098R	Colorado State University exp.	HRW	57.4	64.1	30	4
CO14A070	Colorado State University exp.	HRW	57.3	63.3	29	4
CO14A050	Colorado State University exp.	HRW	57.1	63.4	30	5
CO13D1299	Colorado State University exp.	<b>HWW</b>	56.8	63.4	25	5
CO15SFD061	Colorado State University exp.	HRW	56.7	61.9	30	4
CO15A018	Colorado State University exp.	HRW	56.2	62.8	25	6
CO13D0787	Colorado State University exp.	HRW	55.7	64.4	29	6
CO13D1383	Colorado State University exp.	<b>HWW</b>	55.2	63.7	28	3
CO15D129R	Colorado State University exp.	HRW	55.2	64.4	28	4
CO15D127R	Colorado State University exp.	HRW	54.3	63.2	28	5
CO13D1714	Colorado State University exp.	<b>HWW</b>	53.9	63.6	30	6
CO13003C	Colorado State University exp.	HRW	53.8	63.2	33	4
CO15SFD107	Colorado State University exp.	HRW	53.5	64.0	28	1
CO15SFD095	Colorado State University exp.	HRW	53.4	65.1	31	2
CO13D1638	Colorado State University exp.	<b>HWW</b>	53.1	63.1	29	6
CO13D1486	Colorado State University exp.	<b>HWW</b>	52.3	62.8	26	6
CO12D1770	Colorado State University exp.	HRW	52.0	63.7	30	5
CO13D1479	Colorado State University exp.	<b>HWW</b>	51.5	63.4	28	4
CO13007	Colorado State University exp.	HRW	48.8	63.1	31	6
CO15D092R	Colorado State University exp.	HRW	48.6	63.6	24	2
CO13D1164	Colorado State University exp.	<b>HWW</b>	47.6	63.2	32	5
CO15D094R	Colorado State University exp.	HRW	47.5	64.9	25	5
CO15D130W	Colorado State University exp.	<b>HWW</b>	47.5	62.3	26	5
CO15D027RC	Colorado State University exp.	HRW	47.2	64.0	26	4
CO15D063RC	Colorado State University exp.	HRW	46.8	64.5	29	3
NHH144913-3	University of Nebraska exp.	HRW	42.5	61.3	31	3
<b>Average</b>			<b>51.7</b>	<b>63.5</b>	<b>28</b>	<b>5</b>
<sup>b</sup> LSD (P<0.30)			3.1			

<sup>a</sup>Wheat stem sawfly score: 1 equals no damage/cutting and 9 equals severe cutting

<sup>b</sup>If the difference between two variety yields equals or exceeds the LSD value, there is a 70% chance the difference is significant. Variety yields in bold are in the top LSD group.

**Site Information**

Cooperator: Wickstrom Farms  
 Harvest date: July 2, 2018  
 Planting date: September 18, 2017  
 Trial Comments: Planted into excellent moisture and trial received rain in week following planting. Plant tillering was weak in the fall. Received moderate moisture in mid-January and February. More moisture received in mid-March. By end of March plant stands and growth were satisfactory with sufficient soil moisture. However, by the middle of April the trial was dry. Wheat stem sawfly damage was significant in June.