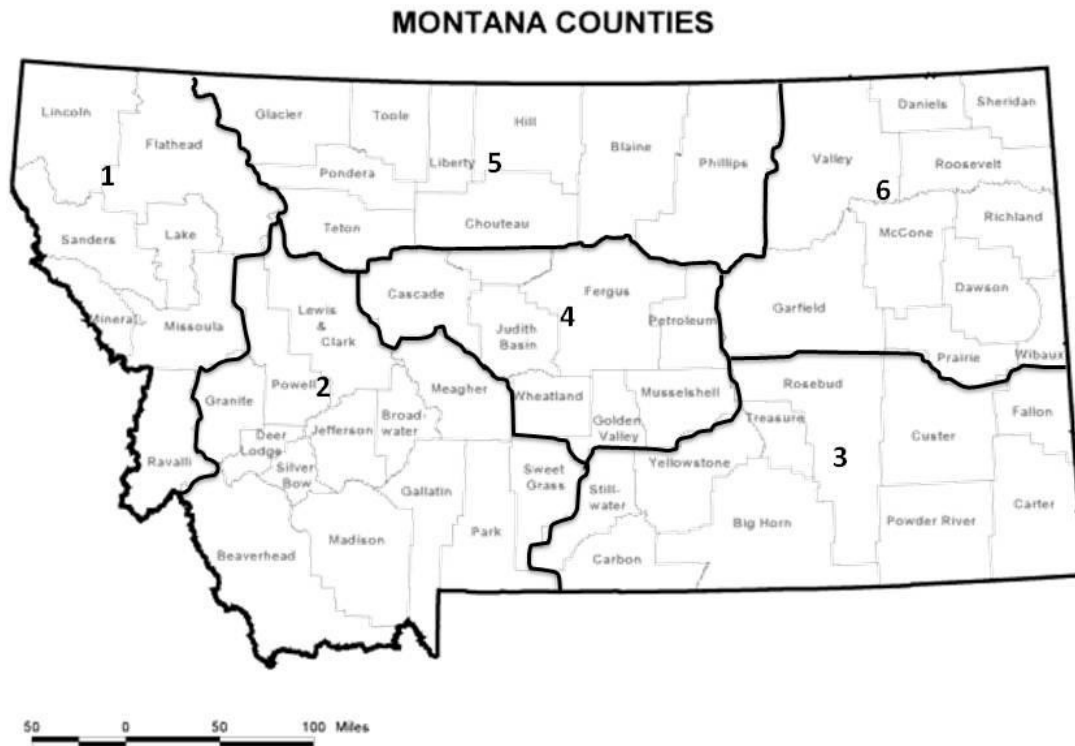


2025
Montana Spring Wheat Variety Performance Evaluations



SPRING WHEAT VARIETY PERFORMANCE SUMMARY IN MONTANA

J. Cook, H. Heo, L. Wright, M. Wong, D. Nash, D. Holen, J. Jensen, M. Larson, K. McVay, Z. Ihsan, J. Eberly, J. Hammontree, P. Lamb, E. Haney, R. Whitehead, C. Chen, F. Crutcher, C. Kowatch, C¹⁾. Cook, D¹⁾. Gray, D²⁾. Clark, T²⁾. Schafer, X³⁾. Chen, M⁴⁾. Rouse, J⁵⁾. Fiedler, M⁶⁾. Pumphrey, and Z⁷⁾. Liu

¹ 2nd Nature Research, LLC, MT

² Nutrien Ag Solutions, MT

³ USDA-ARS, Pullman, WA

⁴ USDA-ARS, St. Paul, MN

⁵USDA-ARS, Fargo, ND

⁶ WSU, Pullman, WA

⁷ NDSU, Fargo, ND

INTRODUCTION

The agronomic characteristics of spring wheat varieties evaluated by the Montana Agricultural Experiment Station are compared in this publication with other varieties commonly grown in the state. The objective of this summary is to help farmers select the varieties which will perform best in their area. Data from 2022-2025 is provided for each of the testing sites. Data for varieties grown in previous years can be found on this website:

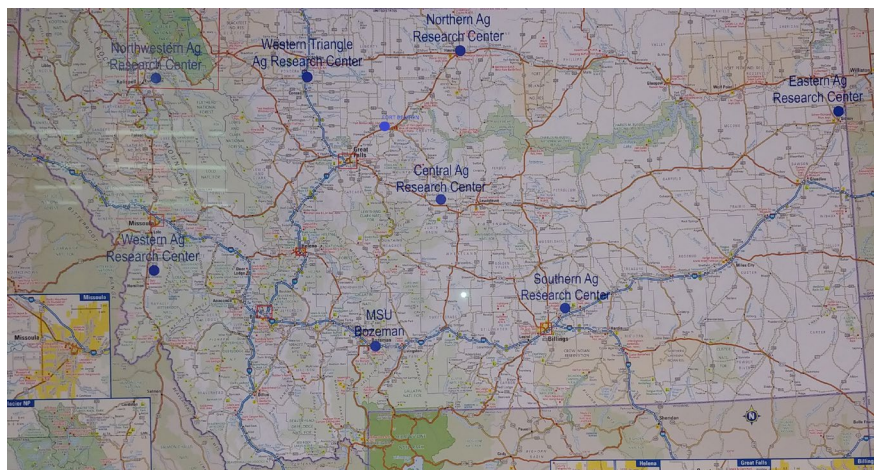
<http://plantsciences.montana.edu/crops/index.html>.

The map on the cover shows the districts in the state for purposes of reference for specific areas of adaptation. A brief description is given which may include a variety's particular advantages or disadvantages. The information was extracted from data collected and analyzed from the Advanced Spring Wheat nursery. These reports are prepared by research personnel of the Montana Agricultural Experiment Station.

VARIETY TESTING PROCEDURES

Locations

Advanced Spring Wheat yield trial (AYT) was planted at 9 locations (11 environments); Bozeman (rainfed and irrigated), Conrad (WTARC : rainfed), Fort Benton (Nutrien: rainfed), Havre (NARC : rainfed), Hingham (2nd Nature Seeds: rainfed), Huntley (SARC : rainfed), Kalispell (NWARC : high rainfall), Moccasin (CARC : rainfed), Sidney (EARC: rainfed and irrigated).



Experimental Design and Data Collection

Varieties, currently recommended, widely grown, or recently released are evaluated for agronomic performance in the Advanced Spring Wheat nursery. Also evaluated in these nurseries are experimental breeding lines tested against the check varieties

Agronomic data collected throughout the growing season includes heading date, plant height, lodging, disease and insect reactions. Experimental plots are harvested with plot combines. The grain is weighed for yield and test weight.

One trait important to wheat growers is resistance to the wheat stem sawfly. The major mode of resistance is a solid versus hollow stemmed variety. To evaluate this trait, we cut several stems of each variety and score them on a scale of 1=hollow, 2=2/5 solid, 3=3/5 solid, 4=4/5 solid and 5=solid. The cuts are made in the center of each internode, so there are 5 scores per stem. The five scores are added up to get a total number ranging from 5=very hollow up to 25=very solid.

Entries are submitted to the Cereal Quality Lab at MSU, Bozeman for protein, milling, and baking quality evaluation as needed.

Data is analyzed and summarized for each location and overall comparisons are made to determine which varieties and/or experimental lines look promising for Montana producers. When sufficient data is collected and analyzed, promising experimental lines are submitted to the MAES wheat variety release committee.

TABLE OF CONTENTS

MULTI-YEAR ADVANCES SPRING WHEAT NURSERY (2022-2025)	4
MULTI-YEAR END-USE QUALITY OF AYT (2023-2025)	12
2025 ADVANCES SPRING WHEAT NURSERY	35
2025 END-USE QUALITY OF AYT	51
2025 OFF-STATION	79
ALUMINUM TOLERANCE RATINGS	99

**2022-2025 OVERALL AVERAGE OF GRAIN YIELD, TEST WEIGHT AND PROTEIN CONTENT FOR THE ADVANCED SPRING WHEAT NURSERY GROWN UNDER
RAIN-FED CONDITION (BOZEMAN, CONRAD, FORT BENTON, HAVRE, HINGHAM, MOCCASIN, SIDNEY-DRY)**

VARIETY	PEDIGREE	YIELD				TEST WEIGHT				PROTEIN			
		(BU/AC)				(LB/BU)				(%)			
		2022-2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025
MT Ubet	Lanning/MT 1338	<u>59.2</u>	59.6	46.5	50.4	60.3	60.2	60.3	60.2	14.2	14.2	14.4	14.2
VIDA	Scholar/Reeder	<u>59.2</u>	60.2	50.0	55.9	59.8	60.0	60.4	60.7	14.0	13.9	13.9	13.7
MT Dutton	Vida/Elgin-ND	58.9	59.6	47.7	52.6	59.7	59.8	59.8	59.9	14.3	14.1	14.5	14.4
MT Carlson	Lanning/MT1531	58.2	59.1	47.1	50.7	60.4	60.2	60.3	59.9	14.1	14.0	14.1	13.9
DAGMAR	MT1133/MT1148	57.8	59.0	47.2	51.3	60.8	60.9	60.8	61.0	14.7	14.5	14.8	14.5
ROCKER	-	57.3	57.9	47.9	52.4	61.1	61.4	61.8	<u>62.4</u>	14.2	14.0	14.0	13.7
MT 21074	MT 1525/MT 1348	56.5	57.9	47.2	52.3	61.1	61.2	61.2	61.5	14.8	14.5	14.7	14.5
NS PRESSER CLP	Vida//8209-1/Vida	56.2	57.0	47.4	52.7	59.2	59.4	60.0	60.1	14.0	13.9	13.9	13.8
LCS ASCENT	-	55.9	56.5	44.4	44.6	<u>61.5</u>	61.4	61.5	61.5	13.7	13.6	13.8	13.6
LANNING	Glenn/MT0747	55.1	55.8	42.4	45.3	60.3	60.2	60.3	60.6	14.8	14.6	14.9	14.4
DUCLAIR	Choteau//ND695/MT9433	54.5	55.6	45.5	48.7	59.5	59.4	59.6	59.8	14.4	14.3	14.4	14.2
WB GUNNISON	Conan/Agawam	53.6	54.9	45.3	49.6	60.5	60.7	60.8	61.4	13.9	13.7	13.9	13.5
SY ROCKFORD	-	53.5	54.4	40.8	44.1	59.5	59.3	59.2	59.3	14.1	13.9	14.2	13.8
SY Longmire	-	52.8	54.8	43.7	48.7	60.7	60.9	61.3	61.6	14.7	14.3	14.5	14.2
REEDER	IAS#4/H567.71//Stoa/3/ND674	52.8	53.9	41.4	45.7	60.5	60.5	60.7	61.2	14.6	14.5	14.6	14.5
WB 9879 CLP	Choteau*3//Choteau/IMI8134	52.8	53.9	43.7	48.1	60.0	59.8	59.7	59.8	14.8	14.5	14.8	14.5
McNEAL	RS6880/Glenman	52.1	52.9	42.4	45.7	59.4	59.5	59.7	60.3	14.6	14.3	14.4	14.1
AP Gunsmoke CL2	-	50.4	52.1	40.1	41.3	60.1	60.4	60.6	60.8	<u>15.2</u>	<u>14.8</u>	14.9	14.5
AP Smith	-	50.2	51.6	39.7	43.8	60.6	60.5	60.8	61.0	14.7	14.5	14.5	14.1
AAC Concord	-	49.8	51.0	40.6	45.6	59.8	59.6	59.5	59.6	14.7	14.4	14.5	14.1
THATCHER	Marquis/lumillo durum // Marquis/Kanred	42.7	43.7	36.2	40.4	58.9	58.7	58.9	59.1	14.5	14.2	14.1	13.5
MT 21487	Dagmar/BC1-80		<u>60.5</u>	48.9	53.4		60.7	60.9	61.0		14.3	14.6	14.3
MT 21484	Dagmar/BC1-52		59.4	48.0	51.4		60.9	60.9	61.0		14.3	14.6	14.3
MT 21174	DAGMAR//MT1142/MT1225		57.6	46.5	50.2		60.5	60.7	60.7		14.6	14.7	14.4
ND Stampede	-		54.6	41.6	44.5		59.2	59.4	59.3		14.4	14.6	14.2
LCS BOOM	-		52.6	39.7	40.6		<u>61.7</u>	<u>61.9</u>	61.7		14.3	14.6	14.4
CP3119A	-			<u>50.5</u>	<u>58.1</u>			56.8	57.6			12.8	12.3
MT 22182	DAGMAR/MT 1617			48.2	50.5			59.2	59.2			14.4	14.1
MT 22205	LANNING/MT0945/MT 1807			47.9	52.0			60.4	60.6			14.8	14.5
CP3055	-			47.3	55.7			57.0	58.0			13.7	12.8
MT 22073	LANNING/MT 1806			46.0	48.6			59.6	59.1			<u>15.1</u>	15.1
MT 22345	DAGMAR/MN14105-7			45.7	49.9			59.5	59.7			13.9	13.4
MT 22083	DAGMAR/MT 1866			44.8	47.7			61.7	61.4			14.7	14.7
MS Nova	-			44.2	47.3			61.3	61.3			14.3	13.8
AP Elevate	-			40.7	42.4			60.3	60.3			14.7	14.3
MS Charger	-			40.2	44.2			60.4	60.6			13.1	12.6

**2022-2025 OVERALL AVERAGE OF GRAIN YIELD, TEST WEIGHT AND PROTEIN CONTENT FOR THE ADVANCED SPRING WHEAT NURSERY GROWN UNDER
RAIN-FED CONDITION (BOZEMAN, CONRAD, FORT BENTON, HAVRE, HINGHAM, MOCCASIN, SIDNEY-DRY) (CONT.)**

VARIETY	PEDIGREE	YIELD (BU/AC)				TEST WEIGHT (LB/BU)				PROTEIN (%)			
		2022- 2025	2023- 2025	2024- 2025	2025	2022- 2025	2023- 2025	2024- 2025	2025	2022- 2025	2023- 2025	2024- 2025	2025
MT 23241	DAGMAR/MT 1866				56.0				60.2				13.7
MT 23098	DAGMAR/MT 1904				55.0				60.9				14.0
MT 23385	MT 1866//VIDA/SxD3 (1052)				54.8				60.5				13.6
MT 23205	MT 1857/MT 1817				54.1				61.0				14.0
MT 23275	MT 1872/MT 1824				54.0				61.0				14.0
MT 23184	MT 1857/MT 1673				53.7				61.3				14.1
MT 23265	DAGMAR/MT 1866				52.8				60.1				13.8
MT 23339	MT 1815/MT 1934				52.0				61.0				14.0
MT 23294	LANNING/MT 1904				51.6				61.8				13.8
MT 23116	DAGMAR/MT 1815				51.0				59.5				13.9
MT 23052	MT 1866/MT 1673				50.9				61.2				14.0
MT 23127	MT 1872/MT 1939				50.9				59.6				13.9
MT 23039	MT 1872/MT 1907				50.8				59.7				13.9
MT 23085	DAGMAR/MT 1807				50.3				59.9				14.2
MT 23113	MT 1855///MT 1572/MT1133//CHOTEAU/YELLOWSTONE				50.1				60.9				14.4
MT 23110	DAGMAR/MT 1939				49.5				61.2				14.0
MT 23297	DAGMAR/NDHRS16-14-41				49.2				60.2				14.0
MT 23084	DAGMAR/MT 1807				48.5				60.9				14.8
MT 23204	MT 1857/MT 1817				48.0				60.0				14.1
MT 23130	LANNING/MT 1934				47.8				60.0				13.9
MS Ranchero	-				47.3				60.1				13.3
MT 23067	DAGMAR/NDHRS16-14-41				46.6				60.6				14.1
MT 23133	LANNING/MT 1934				45.9				60.7				14.4
LCS Sentry	-				43.7				61.7				14.0
AP Iconic	-				43.7				60.7				13.8
AP Dagr	-				43.6				59.6				13.4
PG Predator	-				42.8				60.2				14.4
WB 9668	-				41.7				60.4				16.0
MEAN		54.3	55.6	44.6	48.9	60.2	60.3	60.2	60.4	14.4	14.3	14.3	14.0
C.V.		6.9	6.7	9.2	10.8	0.7	0.8	1.1	1.2	2.2	2.1	2.9	3.1
PROBABILITY		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
LSD(0.05)		4.3	4.0	4.7	5.6	0.5	0.5	0.7	0.7	0.4	0.3	0.4	0.5

bold : highest or earliest value within a column, bold : equal value to highest or earliest value within a column based LSD(0.05)

**2022-2025 OVERALL AVERAGE OF GRAIN YIELD, TEST WEIGHT AND PROTEIN CONTENT FOR THE ADVANCED SPRING WHEAT NURSERY GROWN UNDER IRRIGATION
/ HIGH RAINFALL CONDITION (KALISPELL, BOZEMAN-IRRIGATION, SIDNEY-IRRIGATION)**

VARIETY	PEDIGREE	YIELD				TEST WEIGHT				PROTEIN			
		(BU/AC)				(LB/BU)				(%)			
		2022-2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025
LCS ASCENT	-	<u>111.2</u>	<u>115.9</u>	110.8	115.4	63.2	62.8	63.2	63.1	13.0	13.2	13.1	13.9
MT Carlson	Lanning/MT1531	<u>111.1</u>	<u>115.3</u>	110.9	115.7	62.4	62.1	62.3	62.1	13.3	13.4	13.5	14.0
MT Dutton	Vida/Elgin-ND	<u>110.2</u>	<u>116.4</u>	110.5	116.8	61.5	61.4	61.8	61.5	13.9	13.9	14.2	15.1
DAGMAR	MT1133/MT1148	<u>109.4</u>	<u>114.4</u>	108.1	113.1	62.8	62.5	62.9	62.7	14.1	<u>14.3</u>	14.2	15.0
MT Ubet	Lanning/MT 1338	<u>107.0</u>	<u>110.7</u>	107.8	116.5	62.3	62.0	62.5	62.4	13.8	13.9	14.0	14.5
SY Longmire	-	<u>106.5</u>	<u>110.5</u>	107.4	107.1	<u>63.3</u>	63.3	63.5	63.2	13.6	13.8	13.9	14.6
DUCLAIR	Choteau//ND695/MT9433	<u>105.9</u>	108.2	105.2	108.5	61.8	61.6	61.7	61.6	13.4	13.7	13.8	14.4
WB 9879 CLP	Choteau*3//Choteau/IMI8134	104.5	108.9	106.7	111.7	62.2	61.8	62.3	61.9	13.5	13.7	13.8	14.5
MT 21074	MT 1525/MT 1348	104.4	108.8	105.0	109.0	63.0	62.9	63.2	63.3	14.1	14.2	14.1	14.6
AP Gunsmoke CL2	-	104.4	107.7	103.5	107.0	62.5	62.5	62.8	62.6	14.1	14.1	14.2	15.2
VIDA	Scholar/Reeder	104.2	110.2	106.5	111.7	61.8	61.6	62.2	62.0	13.5	13.6	13.7	14.5
ROCKER	-	104.0	107.2	104.1	107.2	62.9	62.7	63.3	63.5	13.5	13.7	13.7	14.4
SY ROCKFORD	-	102.7	105.6	102.0	111.5	61.6	61.3	61.9	62.0	13.1	13.1	13.2	14.0
LANNING	Glenn/MT0747	102.2	107.9	103.5	111.3	62.5	62.5	62.8	62.8	14.2	<u>14.3</u>	<u>14.6</u>	15.0
AP Smith	-	101.2	106.2	102.1	105.2	63.2	63.1	63.3	63.5	13.9	14.0	14.2	14.6
REEDER	IAS#4/H567.71//Stoa/3/ND674	100.6	106.9	103.0	109.2	62.8	62.8	63.3	63.2	14.0	14.1	14.3	14.8
NS PRESSER CLP	Vida//8209-1/Vida	100.4	105.6	102.9	105.5	60.7	60.6	61.2	61.0	13.3	13.3	13.5	14.4
WB GUNNISON	Conan/Agawam	98.1	102.3	98.0	98.8	62.9	62.9	63.1	63.2	13.0	13.1	13.3	13.5
McNEAL	RS6880/Glenman	96.6	101.8	100.0	102.8	62.1	62.1	62.1	62.0	13.6	13.5	13.5	14.3
AAC Concord	-	92.1	96.0	92.4	98.2	61.9	61.7	61.8	61.7	<u>14.3</u>	<u>14.3</u>	14.4	15.1
THATCHER	Marquis/lumillo durum // Marquis/Kanred	83.4	88.1	85.0	83.7	61.5	61.2	61.2	60.4	13.9	13.9	14.1	14.8
MT 21487	Dagmar/BC1-80		113.5	108.4	110.7		62.4	62.7	62.4		13.9	13.9	14.6
MT 21484	Dagmar/BC1-52		112.7	106.9	110.0		62.7	62.9	62.6		14.1	14.2	15.0
MT 21174	DAGMAR//MT1142/MT1225		112.1	108.7	113.6		62.1	62.6	62.6		13.8	14.1	14.8
ND Stampede	-		109.5	103.1	111.2		62.0	62.5	62.1		13.2	13.4	14.0
LCS BOOM	-		108.4	103.0	107.7		<u>64.1</u>	<u>64.2</u>	<u>64.2</u>		13.9	14.0	14.6
CP3055	-			<u>122.1</u>	<u>126.1</u>			61.3	61.7			12.3	12.8
MS Charger	-			113.3	112.7			62.5	62.3			12.0	12.8
MT 22345	DAGMAR/MN14105-7			110.7	110.1			61.6	61.4			13.5	14.1
MT 22182	DAGMAR/MT 1617			110.0	110.7			61.3	60.9			13.7	14.4
MT 22205	LANNING/MT0945/MT 1807			109.3	114.7			61.9	61.6			14.1	14.8
CP3119A	-			108.3	118.6			59.7	60.2			12.5	13.1
AP Elevate	-			105.3	110.6			63.2	63.4			13.8	14.4
MT 22073	LANNING/MT 1806			104.3	109.7			61.9	61.6			<u>14.6</u>	15.4
MS Nova	-			104.0	107.5			63.5	63.4			13.8	14.4
MT 22083	DAGMAR/MT 1866			100.5	105.7			63.5	63.2			14.0	14.7

**2022-2025 OVERALL AVERAGE OF GRAIN YIELD, TEST WEIGHT AND PROTEIN CONTENT FOR THE ADVANCED SPRING WHEAT NURSERY GROWN UNDER IRRIGATION
/ HIGH RAINFALL CONDITION (KALISPELL, BOZEMAN-IRRI, SIDNEY-IRRI) (CONT.)**

VARIETY	PEDIGREE	YIELD				TEST WEIGHT				PROTEIN			
		(BU/AC)				(LB/BU)				(%)			
		2022-2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025
MT 23127	MT 1872/MT 1939				122.3				62.1				14.2
MT 23265	DAGMAR/MT 1866				115.6				61.5				14.2
MT 23385	MT 1866//VIDA/SxD3 (1052)				114.9				62.4				14.5
MT 23039	MT 1872/MT 1907				114.8				62.0				14.2
MT 23098	DAGMAR/MT 1904				114.3				62.5				14.7
MT 23110	DAGMAR/MT 1939				114.3				62.6				14.6
MT 23241	DAGMAR/MT 1866				114.0				62.0				14.3
AP Dagr	-				113.8				62.6				13.5
MT 23205	MT 1857/MT 1817				113.6				62.8				14.4
MT 23052	MT 1866/MT 1673				113.6				62.7				14.2
MT 23085	DAGMAR/MT 1807				113.5				61.7				15.1
AP Iconic	-				113.3				63.5				13.9
MT 23204	MT 1857/MT 1817				113.2				62.4				14.6
MT 23116	DAGMAR/MT 1815				113.0				61.4				14.1
MT 23275	MT 1872/MT 1824				112.7				62.5				14.1
LCS Sentry	-				112.0				63.5				13.9
MT 23184	MT 1857/MT 1673				111.8				63.4				14.7
MT 23133	LANNING/MT 1934				111.7				62.8				14.8
MT 23297	DAGMAR/NDHRS16-14-41				111.4				61.8				14.7
MT 23084	DAGMAR/MT 1807				111.1				62.4				15.2
MT 23294	LANNING/MT 1904				110.5				63.4				14.9
MT 23067	DAGMAR/NDHRS16-14-41				109.6				62.6				15.0
MS Ranchero	-				109.3				62.3				13.6
MT 23113	MT 1855///MT 1572/MT1133//CHOTEAU/YELLOWSTONE				108.0				62.5				15.0
MT 23339	MT 1815/MT 1934				108.0				62.5				14.9
PG Predator	-				107.8				63.1				14.4
MT 23130	LANNING/MT 1934				107.6				61.8				14.5
WB 9668	-				98.2				62.1				15.7
MEAN		102.9	108.1	105.4	110.6	62.3	62.3	62.4	62.4	13.7	13.8	13.8	14.5
C.V.		3.3	3.4	3.7	5.7	0.6	0.7	0.6	0.9	1.9	2.1	2.1	2.3
PROBABILITY		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
LSD(0.05)		5.6	6.0	6.4	10.2	0.7	0.8	0.7	0.9	0.4	0.5	0.5	0.5

bold : highest or earliest value within a column, bold : equal value to highest or earliest value within a column based LSD(0.05)

2022-2025 OVERALL AVERAGE OF GRAIN YIELD, TEST WEIGHT AND PROTEIN CONTENT
FOR THE ADVANCED SPRING WHEAT NURSERY GROWN ACROSS MONTANA (COMBINED)
(BOZEMAN, CONRAD, FORT BENTON, HAVRE, HINGHAM, MOCCASIN, SIDNEY-DRY, KALISPELL, BOZEMAN-IRRI, SIDNEY-IRRI)

VARIETY	PEDIGREE	YIELD				TEST WEIGHT				PROTEIN			
		(BU/AC)				(LB/BU)				(%)			
		2022-2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025
MT Dutton	Vida/Elgin-ND	<u>76.0</u>	<u>76.7</u>	<u>68.6</u>	71.9	60.4	60.3	60.4	60.4	14.2	14.1	14.4	14.6
MT Carlson	Lanning/MT1531	<u>75.8</u>	<u>75.9</u>	<u>68.3</u>	70.2	61.2	60.8	60.9	60.6	13.9	13.8	13.9	13.9
MT Ubet	Lanning/MT 1338	<u>75.1</u>	<u>74.9</u>	66.9	70.2	61.1	60.8	61.0	60.9	14.1	14.1	14.3	14.3
DAGMAR	MT1133/MT1148	<u>75.0</u>	<u>75.6</u>	67.5	69.8	61.6	61.4	61.4	61.5	14.5	14.5	14.6	14.7
LCS ASCENT	-	<u>74.3</u>	<u>74.4</u>	66.5	65.8	<u>62.1</u>	61.8	62.0	62.0	13.5	13.5	13.6	13.7
VIDA	Scholar/Reeder	<u>74.2</u>	<u>75.2</u>	<u>68.9</u>	<u>72.7</u>	60.6	60.5	60.9	61.1	13.8	13.8	13.8	13.9
ROCKER	-	<u>72.8</u>	72.7	66.6	68.9	61.8	61.8	62.2	<u>62.8</u>	14.0	13.9	14.0	13.9
MT 21074	MT 1525/MT 1348	<u>72.5</u>	73.1	66.4	69.3	61.8	61.7	61.8	62.1	14.5	14.4	14.5	14.5
DUCLAIR	Choteau//ND695/MT9433	71.6	71.4	65.4	66.6	60.4	60.0	60.3	60.4	14.1	14.1	14.2	14.3
NS PRESSER CLP	Vida//8209-1/Vida	70.9	71.6	65.9	68.5	59.7	59.8	60.3	60.4	13.7	13.7	13.8	13.9
LANNING	Glenn/MT0747	70.8	71.4	62.8	65.1	61.2	60.9	61.1	61.2	14.6	<u>14.6</u>	14.8	14.6
SY Longmire	-	70.7	71.5	64.9	66.2	61.7	61.6	62.0	62.1	14.3	14.2	14.3	14.3
WB 9879 CLP	Choteau*3//Choteau/IMI8134	70.0	70.4	64.7	67.2	60.8	60.4	60.5	60.5	14.4	14.3	14.5	14.5
SY ROCKFORD	-	69.9	69.7	61.2	64.3	60.3	59.9	60.0	60.1	13.8	13.6	13.9	13.8
REEDER	IAS#4/H567.71//Stoa/3/ND674	68.7	69.8	61.9	64.7	61.3	61.2	61.5	61.8	14.4	14.4	14.5	14.6
WB GUNNISON	Conan/Agawam	68.4	69.1	62.8	64.3	61.4	61.4	61.5	62.0	13.6	13.5	13.7	13.5
AP Gunsmoke CL2	-	68.4	68.8	61.2	61.0	61.0	61.0	61.3	61.4	<u>14.8</u>	<u>14.6</u>	14.7	14.7
AP Smith	-	67.2	68.0	60.5	62.2	61.6	61.3	61.6	61.8	14.4	14.3	14.4	14.3
McNEAL	RS6880/Glenman	66.9	67.6	61.6	62.8	60.4	60.3	60.4	60.8	14.2	14.1	14.1	14.1
AAC Concord	-	63.9	64.5	57.8	61.4	60.6	60.2	60.2	60.2	14.5	14.4	14.4	14.4
THATCHER	Marquis/lumillo durum // Marquis/Kanred	56.3	57.0	52.5	53.4	59.9	59.5	59.6	59.5	14.3	14.1	14.1	13.9
MT 21487	Dagmar/BC1-80		76.4	68.7	70.6		61.2	61.4	61.4		14.2	14.4	14.4
MT 21484	Dagmar/BC1-52		75.4	67.6	69.0		61.5	61.5	61.5		14.3	14.5	14.5
MT 21174	DAGMAR//MT1142/MT1225		74.0	67.2	69.2		61.0	61.3	61.3		14.4	14.5	14.5
ND Stampede	-		71.1	62.1	64.5		60.0	60.3	60.2		14.0	14.3	14.2
LCS BOOM	-		69.3	60.8	60.8		<u>62.4</u>	<u>62.6</u>	62.5		14.2	14.4	14.5
CP3055	-			<u>72.2</u>	<u>76.8</u>			58.3	59.1			13.3	12.8
CP3119A	-			69.7	76.3			57.7	58.4			12.7	12.5
MT 22182	DAGMAR/MT 1617			68.8	68.6			59.8	59.7			14.2	14.2
MT 22205	LANNING/MT0945/MT 1807			68.4	70.9			60.9	60.9			14.6	14.6
MT 22345	DAGMAR/MN14105-7			67.4	68.0			60.2	60.2			13.8	13.6
MT 22073	LANNING/MT 1806			65.4	66.9			60.3	59.8			15.0	15.2
MS Charger	-			64.6	64.7			61.0	61.1			12.8	12.7
MS Nova	-			64.1	65.4			62.0	61.9			14.1	14.0
MT 22083	DAGMAR/MT 1866			63.4	65.1			62.2	62.0			14.5	14.7
AP Elevate	-			62.2	62.9			61.2	61.2			14.5	14.4

2022-2025 OVERALL AVERAGE OF GRAIN YIELD, TEST WEIGHT AND PROTEIN CONTENT
FOR THE ADVANCED SPRING WHEAT NURSERY GROWN ACROSS MONTANA (COMBINED)
(BOZEMAN, CONRAD, FORT BENTON, HAVRE, HINGHAM, MOCCASIN, SIDNEY-DRY, KALISPELL, BOZEMAN-IRRI, SIDNEY-IRRI) (CONT.)

VARIETY	PEDIGREE	YIELD				TEST WEIGHT				PROTEIN			
		(BU/AC)				(LB/BU)				(%)			
		2022- 2025	2023- 2025	2024- 2025	2025	2022- 2025	2023- 2025	2024- 2025	2025	2022- 2025	2023- 2025	2024- 2025	2025
MT 23241	DAGMAR/MT 1866				73.4				60.7				13.9
MT 23385	MT 1866//VIDA/SxD3 (1052)				72.8				61.0				13.9
MT 23098	DAGMAR/MT 1904				72.8				61.4				14.3
MT 23127	MT 1872/MT 1939				72.3				60.3				14.0
MT 23205	MT 1857/MT 1817				72.0				61.5				14.1
MT 23265	DAGMAR/MT 1866				71.6				60.5				13.9
MT 23275	MT 1872/MT 1824				71.6				61.4				14.0
MT 23184	MT 1857/MT 1673				71.1				61.9				14.3
MT 23039	MT 1872/MT 1907				70.0				60.4				14.0
MT 23052	MT 1866/MT 1673				69.7				61.6				14.0
MT 23116	DAGMAR/MT 1815				69.6				60.0				14.0
MT 23085	DAGMAR/MT 1807				69.3				60.4				14.5
MT 23294	LANNING/MT 1904				69.3				62.3				14.2
MT 23110	DAGMAR/MT 1939				69.0				61.6				14.2
MT 23339	MT 1815/MT 1934				68.8				61.5				14.2
MT 23297	DAGMAR/NDHRS16-14-41				67.9				60.7				14.2
MT 23204	MT 1857/MT 1817				67.6				60.7				14.3
MT 23113	MT 1855///MT 1572/MT1133//CHOTEAU/YELLOWSTONE				67.4				61.4				14.6
MT 23084	DAGMAR/MT 1807				67.3				61.3				14.9
MS Ranchero	-				65.9				60.8				13.4
MT 23130	LANNING/MT 1934				65.8				60.6				14.1
MT 23133	LANNING/MT 1934				65.7				61.4				14.5
MT 23067	DAGMAR/NDHRS16-14-41				65.5				61.2				14.4
AP Dagr	-				64.7				60.5				13.4
AP Iconic	-				64.6				61.6				13.9
LCS Sentry	-				64.2				62.2				13.9
PG Predator	-				62.3				61.1				14.4
WB 9668	-				58.7				60.9				15.9
	MEAN	70.5	71.4	64.9	67.4	61.0	60.9	60.9	61.0	14.2	14.1	14.2	14.2
	C.V.	5.7	5.5	7.0	8.6	0.7	0.8	1.0	1.1	2.1	2.2	2.8	3.0
	PROBABILITY	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	LSD(0.05)	3.7	3.5	4.2	5.1	0.4	0.4	0.5	0.6	0.3	0.3	0.3	0.4

bold : highest or earliest value within a column, bold : equal value to highest or earliest value within a column based LSD(0.05)

2022-2025 OVERALL AVERAGE OF HEADING DATE, PLANT HEIGHT AND STEM SOLIDNESS
FOR THE ADVANCED SPRING WHEAT NURSERY GROWN ACROSS MONTANA
(BOZEMAN, CONRAD, FORT BENTON, HAVRE, HINGHAM, MOCCASIN, SIDNEY-DRY, KALISPELL, BOZEMAN-IRRI, SIDNEY-IRRI)

VARIETY	PEDIGREE	HEADING DATE				PLANT HEIGHT				STEM SOLIDNESS (5-25) BOZEMAN ONLY			
		(JULIAN)				(INCHES)							
		2022-2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025
AAC Concord	-	176.8	176.1	176.2	173.3	35.4	36.0	34.6	33.7	20.1	20.7	20.9	21.3
AP Gunsmoke CL2	-	174.8	174.2	174.0	171.0	29.8	30.3	29.8	29.3	8.5	8.6	9.2	9.7
AP Smith	-	176.4	175.8	175.8	173.1	27.8	28.2	27.9	27.8	10.5	10.5	9.9	10.0
DAGMAR	MT1133/MT1148	173.2	172.5	172.5	169.8	31.5	31.9	31.1	30.4	18.3	19.0	20.3	19.3
DUCLAIR	Choteau//ND695/MT9433	173.4	172.6	172.6	169.8	31.1	31.5	30.8	30.1	20.6	21.3	22.3	22.7
LANNING	Glenn/MT0747	173.4	172.9	172.2	169.7	30.2	30.6	30.0	29.2	8.8	9.2	9.8	10.3
LCS ASCENT	-	172.4	171.7	171.9	169.2	30.4	30.7	30.1	29.5	7.4	7.8	8.2	9.3
McNEAL	RS6880/Glenman	176.9	176.4	176.3	173.6	32.0	32.5	31.8	31.5	8.4	8.9	9.3	9.7
MT 21074	MT 1525/MT 1348	176.8	176.2	176.3	173.6	30.6	31.0	30.7	30.1	17.1	17.8	19.1	21.3
MT Carlson	Lanning/MT1531	174.2	173.5	173.5	170.8	30.4	30.7	30.2	29.6	18.5	18.6	19.7	22.0
MT Dutton	Vida/Elgin-ND	175.7	174.8	175.1	172.4	31.1	31.4	30.5	30.2	11.6	12.1	13.2	14.7
MT Ubet	Lanning/MT 1338	174.2	173.6	173.2	170.7	30.1	30.6	29.9	29.1	13.2	13.9	14.7	16.7
NS PRESSER CLP	Vida//8209-1/Vida	178.1	177.3	177.0	174.4	32.7	33.0	32.3	32.1	8.6	9.1	9.8	11.7
REEDER	IAS#4/H567.71//Stoa/3/ND674	175.5	174.8	174.7	172.0	32.3	32.7	31.9	30.9	8.3	9.1	9.7	10.3
ROCKER	-	176.9	176.4	176.3	173.5	30.7	30.9	30.7	29.9	10.8	11.8	12.4	13.3
SY Longmire	-	175.0	174.3	174.6	171.8	29.6	30.0	29.7	29.2	21.3	21.6	22.1	22.7
SY ROCKFORD	-	177.0	176.5	176.3	173.6	30.8	31.2	30.7	29.8	8.2	8.5	8.5	9.3
THATCHER	Marquis/lumillo durum // Marquis/Kanred	178.0	176.8	176.7	174.2	39.5	40.0	38.9	38.0	8.0	8.5	8.8	9.0
VIDA	Scholar/Reeder	176.1	175.3	175.2	173.0	31.2	31.6	31.0	30.4	13.8	14.8	15.6	17.7
WB 9879 CLP	Choteau*3//Choteau/IMI8134	175.8	175.2	175.3	172.9	30.1	30.4	29.9	29.3	22.5	23.1	23.8	24.0
WB GUNNISON	Conan/Agawam	175.2	174.5	174.3	171.4	29.2	29.5	29.1	28.5	11.4	10.9	11.5	11.7
LCS BOOM	-		171.3	171.3	168.7		30.0	29.3	28.9		8.7	9.0	10.0
MT 21174	DAGMAR//MT1142/MT1225		173.2	173.3	171.0		32.9	32.2	31.6		18.0	19.4	19.0
MT 21484	Dagmar/BC1-52		173.1	173.2	170.6		32.0	31.4	30.9		17.4	18.7	21.0
MT 21487	Dagmar/BC1-80		173.4	173.3	170.8		32.0	31.3	30.6		15.0	15.7	17.7
ND Stampede	-		173.3	173.5	171.0		31.4	30.7	30.2		8.7	8.7	9.0
AP Elevate	-			175.3	172.6			28.5	28.2			9.8	10.0
CP3055	-			180.9	177.8			30.8	29.8			16.7	16.7
CP3119A	-			182.4	179.4			32.1	31.4			16.3	17.0
MS Charger	-			173.6	170.9			29.1	28.6			10.0	11.7
MS Nova	-			172.6	170.0			29.9	29.1			8.5	9.3
MT 22073	LANNING/MT 1806			172.5	169.9			29.4	29.1			13.6	16.3
MT 22083	DAGMAR/MT 1866			171.2	168.4			30.3	29.6			17.5	20.3
MT 22182	DAGMAR/MT 1617			171.9	169.3			31.1	30.3			18.4	19.7
MT 22205	LANNING/MT0945/MT 1807			171.8	168.9			29.0	28.8			11.6	12.3
MT 22345	DAGMAR/MN14105-7			174.5	171.6			30.3	29.8			16.9	19.7

2022-2025 OVERALL AVERAGE OF HEADING DATE, PLANT HEIGHT AND STEM SOLIDNESS
FOR THE ADVANCED SPRING WHEAT NURSERY GROWN ACROSS MONTANA
(BOZEMAN, CONRAD, FORT BENTON, HAVRE, HINGHAM, MOCCASIN, SIDNEY-DRY, KALISPELL, BOZEMAN-IRRI, SIDNEY-IRRI) (CONT.)

VARIETY	PEDIGREE	HEADING DATE				PLANT HEIGHT				STEM SOLIDNESS (5-25) BOZEMAN ONLY			
		(JULIAN)				(INCHES)							
		2022-2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025
AP Dagr	-				172.5				27.4				10.0
AP Iconic	-				171.8				29.7				10.0
LCS Sentry	-				170.4				31.3				14.3
MS Ranchero	-				172.6				31.5				9.7
MT 23039	MT 1872/MT 1907				170.5				28.5				21.7
MT 23052	MT 1866/MT 1673				171.2				28.7				20.0
MT 23067	DAGMAR/NDHRS16-14-41				169.8				28.2				15.3
MT 23084	DAGMAR/MT 1807				169.7				28.8				20.0
MT 23085	DAGMAR/MT 1807				171.0				29.8				19.3
MT 23098	DAGMAR/MT 1904				170.6				30.2				22.7
MT 23110	DAGMAR/MT 1939				168.4				30.5				19.0
MT 23113	MT 1855///MT 1572/MT1133//CHOTEAU/YELLOWSTONE				171.0				29.5				23.0
MT 23116	DAGMAR/MT 1815				170.1				29.3				22.3
MT 23127	MT 1872/MT 1939				173.2				28.8				19.3
MT 23130	LANNING/MT 1934				168.1				28.3				15.0
MT 23133	LANNING/MT 1934				168.1				27.8				10.3
MT 23184	MT 1857/MT 1673				170.0				29.0				19.3
MT 23204	MT 1857/MT 1817				170.6				30.3				13.3
MT 23205	MT 1857/MT 1817				173.6				30.0				20.0
MT 23241	DAGMAR/MT 1866				172.6				30.6				17.0
MT 23265	DAGMAR/MT 1866				171.6				30.9				20.0
MT 23275	MT 1872/MT 1824				170.2				30.2				22.3
MT 23294	LANNING/MT 1904				174.3				28.5				22.3
MT 23297	DAGMAR/NDHRS16-14-41				173.9				30.0				19.3
MT 23339	MT 1815/MT 1934				172.1				29.9				22.0
MT 23385	MT 1866//VIDA/SxD3 (1052)				173.6				31.6				18.3
PG Predator	-				172.5				27.7				10.0
WB 9668	-				169.0				25.1				13.7
MEAN		175.5	174.4	174.5	171.5	31.3	31.7	30.7	29.8	13.1	13.6	14.1	16.2
C.V.		0.3	0.3	0.3	0.5	2.7	2.5	2.9	3.5	8.8	8.9	9.6	13.4
PROBABILITY		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
LSD(0.05)		0.6	0.6	0.7	0.9	0.8	0.7	0.8	1.0	1.6	2.0	2.8	3.4

bold : highest or earliest value within a column, bold : equal value to highest or earliest value within a column based LSD(0.05)

2023-2025 OVERALL AVERAGE OF END-USE QUALITY COMBINED ANALYSIS OF NINE ADVANCED YIELD TRIALS (BOZEMAN, HAVRE, SIDNEY)

Variety/Line	Flour yield (%)	Flour protein (%; 14% m.b.)	Mixing tolerance	Mixing time (min.)	Mixing water absorption (%)	Bake mix time (min.)	Bake water absorption (%)	Loaf volume (cc)
WB GUNNISON	67.1	12.7	4.7	7.7	66.7	17.9	77.4	1081
ND Stampede	68.7	14.1	4.3	5.5	72.2	13.4	82.4	1133
SY LONGMIRE	69.7	14.0	4.3	5.0	68.4	12.5	78.4	1166
McNEAL	67.8	13.8	4.2	7.5	70.2	16.9	79.7	1183
AAC CONCORD	71.7	14.4	4.1	4.9	68.3	14.3	78.7	1099
AP SMITH	69.6	14.3	4.1	7.4	69.7	19.1	79.5	1063
MT 21487	70.6	13.7	4.0	5.4	68.2	15.0	78.2	1108
ROCKER	68.3	13.6	3.8	6.5	68.2	14.8	78.2	1152
DAGMAR	70.3	13.8	3.7	3.9	67.9	10.5	77.5	1146
MT 21484	70.5	13.6	3.6	3.9	67.1	9.4	77.2	1116
DUCLAIR	68.9	13.8	3.6	4.4	67.8	11.4	77.8	1159
AP GUNSMOKE CL2	69.2	14.3	3.3	5.0	67.1	12.5	77.1	937
MT 21174	69.4	14.4	3.1	3.6	68.4	8.1	77.9	1216
THATCHER	68.9	14.0	2.9	4.1	67.6	10.8	77.5	1117
LCS ASCENT	70.8	12.9	2.9	4.1	65.9	10.3	75.6	1072
LCS BOOM	71.3	13.8	2.9	4.1	68.8	10.6	78.4	1144
LANNING	69.4	14.1	2.9	4.0	68.7	10.4	78.6	1158
SY ROCKFORD	69.5	13.1	2.8	4.0	67.7	9.7	77.5	1035
MT 21074	68.7	14.0	2.7	3.8	66.8	7.6	76.2	1144
MT Carlson	67.5	13.6	2.7	3.3	66.4	7.8	76.2	1117
MT Ubet	71.1	13.6	2.6	3.8	66.0	9.5	75.7	1073
MT Dutton	70.1	13.4	1.9	2.6	66.2	5.4	75.6	1138
REEDER	68.1	13.9	1.9	3.2	67.0	7.2	76.2	1122
NS PRESSER CLP	71.0	13.5	1.4	3.4	65.7	9.7	74.8	1074
WB 9879 CLP	67.5	14.0	1.4	1.9	65.5	3.8	73.5	1056
VIDA	71.7	13.2	1.3	3.3	66.2	7.8	76.0	1138
MEAN	69.5	13.7	3.1	4.5	67.6	11.0	77.4	1113
C.V.	1.3	3.6	23.4	20.4	2.9	20.5	2.6	6.5
PROBABILITY	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
LSD(0.05)	0.8	0.5	0.7	0.8	1.8	2.1	1.9	67

2022-2025 ADVANCED SPRING WHEAT NURSERY, **BOZEMAN** (DRY) : YIELD, TEST WEIGHT AND PROTEIN

VARIETY	PEDIGREE	YIELD (BU/AC)			TEST WEIGHT (LB/BU)				PROTEIN (%)			
		22-23, 2025	2023, 2025	2025	2021- 2024	2022- 2024	2023- 2024	2024	2022- 2025	2023- 2025	2024- 2025	2025
MT Ubet	Lanning/MT 1338	102.5	108.1	83.0	60.6	60.2	59.5	58.3	14.7	14.5	14.4	13.9
MT Dutton	Vida/Elgin-ND	100.2	104.8	75.7	59.3	59.3	58.7	57.6	14.8	14.6	14.8	14.8
LCS ASCENT	-	98.1	102.6	66.8	61.5	61.4	60.5	59.7	14.1	14.0	14.3	14.3
SY ROCKFORD	-	98.0	102.9	76.6	59.4	59.3	58.1	57.4	14.0	13.8	14.3	13.9
MT Carlson	Lanning/MT1531	97.8	102.2	72.7	60.6	60.2	59.6	58.1	14.6	14.5	14.5	14.1
ROCKER	-	96.1	99.9	69.9	60.7	60.6	60.5	60.9	14.8	14.7	14.7	14.2
VIDA	Scholar/Reeder	95.8	100.4	78.6	59.2	58.8	58.5	58.1	14.5	14.5	14.4	13.9
MT 21074	MT 1525/MT 1348	95.7	100.6	71.4	61.2	61.1	60.3	59.6	15.3	15.1	15.2	14.7
DAGMAR	MT1133/MT1148	95.3	101.0	75.0	60.9	60.8	60.0	59.0	15.2	15.0	15.2	15.0
DUCLAIR	Choteau//ND695/MT9433	94.4	98.8	65.3	59.4	59.3	58.8	58.6	14.7	14.7	14.8	14.5
LANNING	Glenn/MT0747	94.0	100.8	75.2	60.4	60.3	59.7	59.5	15.4	15.2	15.3	15.1
REEDER	IAS#4/H567.71//Stoa/3/ND674	92.9	100.6	75.2	60.2	60.1	59.4	59.5	15.3	15.1	15.4	14.8
NS PRESSER CLP	Vida//8209-1/Vida	92.8	98.3	79.5	58.1	58.0	58.1	57.6	14.7	14.6	14.4	14.2
SY Longmire	-	91.7	97.6	72.0	60.3	60.1	59.6	59.3	14.7	14.7	14.9	14.5
WB 9879 CLP	Choteau*3//Choteau/IMI8134	88.5	93.6	66.9	59.8	59.6	58.5	56.6	15.0	14.8	15.2	15.1
AP Smith	-	88.4	95.2	69.6	60.1	60.0	59.5	59.2	15.2	15.1	15.4	14.9
AP Gunsmoke CL2	-	87.1	91.7	61.3	59.6	59.7	59.2	59.3	15.4	15.2	15.5	14.6
WB GUNNISON	Conan/Agawam	84.6	87.2	64.8	60.5	60.4	59.7	60.5	14.2	14.1	14.5	13.6
McNEAL	RS6880/Glenman	83.0	88.9	71.4	59.2	59.3	58.6	59.4	15.3	15.0	14.8	14.3
AAC Concord	-	80.8	87.1	64.2	60.1	60.1	59.5	58.7	15.5	15.2	15.2	14.6
THATCHER	Marquis/lumillo durum // Marquis/Kanred	68.5	73.4	62.9	59.3	59.4	59.0	58.1	15.2	14.8	14.6	13.7
MT 21487	Dagmar/BC1-80		107.8	77.7		60.0	59.0	58.7		15.0	15.2	14.4
MT 21484	Dagmar/BC1-52		103.6	76.8		60.9	59.8	58.9		14.5	15.0	14.4
MT 21174	DAGMAR//MT1142/MT1225		102.4	73.7		60.3	60.0	58.9		15.0	15.0	14.8
ND Stampede	-		102.4	70.2		58.6	57.6	57.4		14.9	15.3	14.5
LCS BOOM	-		95.6	63.4		62.1	61.3	60.6		14.7	14.8	14.5
MT 23385	MT 1866//VIDA/SxD3 (1052)			84.3				58.6				13.9
MT 23241	DAGMAR/MT 1866			84.3				58.0				13.9
MT 22345	DAGMAR/MN14105-7			81.2			58.6	58.1			14.2	13.6
MS Ranchero	-			81.0				59.2				13.4
MT 23265	DAGMAR/MT 1866			80.0				58.3				14.1
MT 23275	MT 1872/MT 1824			79.9				59.5				14.5
MT 23184	MT 1857/MT 1673			79.8				59.2				14.5
MT 23339	MT 1815/MT 1934			79.3				58.9				14.4
MT 23098	DAGMAR/MT 1904			79.3				58.3				14.4
CP3055	-			78.8			56.2	55.5			13.5	12.7

2022-2025 ADVANCED SPRING WHEAT NURSERY, BOZEMAN (DRY) : YIELD, TEST WEIGHT AND PROTEIN (CONT.)

VARIETY	PEDIGREE	YIELD			TEST WEIGHT				PROTEIN			
		(BU/AC)			(LB/BU)				(%)			
		22-23, 2025	2023, 2025	2025	2021- 2024	2022- 2024	2023- 2024	2024	2022- 2025	2023- 2025	2024- 2025	2025
MT 22205	LANNING/MT0945/MT 1807			78.6			58.8	59.3			14.7	14.2
MT 23039	MT 1872/MT 1907			77.6				57.9				14.1
CP3119A	-			76.7			56.1	55.6			13.0	12.3
MT 23127	MT 1872/MT 1939			76.7				57.5				14.3
MT 23085	DAGMAR/MT 1807			76.6				58.3				14.5
MT 23052	MT 1866/MT 1673			76.5				58.5				14.4
MT 23084	DAGMAR/MT 1807			76.4				58.9				15.0
MT 23294	LANNING/MT 1904			75.2				59.9				14.4
MT 23204	MT 1857/MT 1817			75.2				58.7				14.3
AP Dagr	-			74.3				57.8				13.8
MS Charger	-			73.8			59.0	58.6			13.1	12.8
MT 23130	LANNING/MT 1934			73.4				59.6				14.1
MT 23205	MT 1857/MT 1817			73.4				58.6				14.0
MT 23110	DAGMAR/MT 1939			73.1				59.5				14.6
MT 23297	DAGMAR/NDHRS16-14-41			73.0				57.6				14.7
MS Nova	-			72.8			60.8	60.2			14.5	14.1
MT 23067	DAGMAR/NDHRS16-14-41			72.6				59.1				14.7
MT 22073	LANNING/MT 1806			72.3			58.4	57.4			<u>15.8</u>	15.4
MT 23133	LANNING/MT 1934			71.6				59.6				14.7
MT 23116	DAGMAR/MT 1815			70.9				57.0				14.4
MT 22083	DAGMAR/MT 1866			70.5			61.3	60.5			14.7	14.6
AP Iconic	-			70.2				58.9				13.9
MT 23113	MT 1855///MT 1572/MT1133//CHOTEAU/YELLOWSTONE			69.6				58.8				15.3
LCS Sentry	-			69.4				60.0				14.3
AP Elevate	-			68.1			58.5	58.7			15.3	14.8
MT 22182	DAGMAR/MT 1617			68.0			58.5	57.9			14.5	14.4
PG Predator	-			61.8				58.2				14.8
WB 9668	-			60.5				58.7				<u>15.8</u>
MEAN		91.7	98.0	73.4	60.0	60.0	59.1	58.7	14.9	14.7	14.7	14.3
C.V.		6.5	7.8	9.0	1.3	1.4	1.4	1 rep	2.8	3.0	2.4	1 rep
PROBABILITY		<0.001	<0.05	<0.001	<0.001	<0.001	<0.001	1 rep	<0.001	<0.05	<0.001	1 rep
LSD(0.05)		9.8	15.7	6.5	1.1	1.4	1.7	1 rep	0.6	0.7	0.7	1 rep

The yield was held out due to hail in 2024

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2023-2025 ADVANCED SPRING WHEAT NURSERY, CONRAD (DRY) : YIELD, TEST WEIGHT AND PROTEIN

VARIETY	PEDIGREE	YIELD			TEST WEIGHT (LB/BU)			PROTEIN (%)		
		2023- 2025	2024- 2025	2025	2023- 2025	2024- 2025	2025	2023- 2025	2024- 2025	2025
MT 21484	Dagmar/BC1-52	<u>42.6</u>	32.3	30.2	60.3	60.3	61.5	15.1	15.6	16.1
MT 21487	Dagmar/BC1-80	41.8	32.9	29.8	59.8	60.3	61.1	15.1	15.5	16.0
DAGMAR	MT1133/MT1148	41.2	32.3	31.0	59.9	60.1	61.1	15.1	15.5	15.8
MT Carlson	Lanning/MT1531	41.1	31.4	31.1	59.1	59.2	60.3	14.4	14.5	15.1
MT 21174	DAGMAR//MT1142/MT1225	40.8	32.6	30.9	60.0	60.2	61.3	15.0	15.4	15.8
ROCKER	-	40.6	32.2	31.7	61.0	<u>61.5</u>	62.6	14.4	14.9	15.1
MT Dutton	Vida/Elgin-ND	40.4	31.2	29.8	58.8	58.8	60.5	14.9	15.7	16.2
MT 21074	MT 1525/MT 1348	40.0	32.5	30.6	59.8	60.1	60.5	15.3	15.3	16.0
WB GUNNISON	Conan/Agawam	38.6	28.8	26.4	59.8	60.1	61.2	14.0	14.1	14.1
NS PRESSER CLP	Vida//8209-1/Vida	38.3	30.9	27.8	58.6	59.7	60.9	14.6	14.9	15.1
VIDA	Scholar/Reeder	37.6	31.2	31.2	58.8	59.7	61.4	14.8	14.8	15.2
DUCLAIR	Choteau//ND695/MT9433	36.7	29.1	27.8	57.8	58.1	59.7	15.0	15.3	15.6
SY Longmire	-	36.2	27.1	25.2	60.6	61.2	62.6	15.0	15.7	16.0
MT Ubet	Lanning/MT 1338	35.8	25.0	23.1	59.2	59.5	60.6	15.4	15.9	16.8
REEDER	IAS#4/H567.71//Stoa/3/ND674	35.7	27.6	26.0	59.3	59.6	61.5	15.1	15.5	15.6
AAC Concord	-	35.7	29.0	27.7	58.1	58.3	59.4	14.6	14.7	14.8
WB 9879 CLP	Choteau*3//Choteau/IMI8134	35.1	28.9	25.0	58.1	58.5	60.2	15.0	15.1	15.8
AP Gunsmoke CL2	-	34.7	25.3	23.1	59.9	60.4	61.6	<u>15.6</u>	15.8	15.8
LCS ASCENT	-	34.6	25.0	21.0	60.5	61.0	62.3	14.5	14.8	14.8
LANNING	Glenn/MT0747	33.6	22.4	16.8	58.8	59.4	60.8	15.2	15.8	15.3
LCS BOOM	-	33.4	21.5	15.8	<u>61.4</u>	<u>61.5</u>	62.3	15.1	15.7	15.7
AP Smith	-	33.2	24.6	21.3	59.4	60.2	62.0	15.0	15.2	15.0
SY ROCKFORD	-	33.1	20.8	17.8	58.6	58.4	59.8	14.8	15.3	15.4
McNEAL	RS6880/Glenman	32.7	24.7	21.2	58.6	59.7	61.4	14.9	15.2	15.9
ND Stampede	-	32.2	22.9	18.4	57.3	58.1	59.7	14.9	15.1	14.8
THATCHER	Marquis/lumillo durum // Marquis/Kanred	25.9	22.6	22.9	57.6	58.2	60.2	14.3	13.9	13.6
CP3119A	-		<u>38.1</u>	<u>41.2</u>		56.1	58.0		12.8	12.6
CP3055	-		35.2	35.1		57.0	59.2		13.9	13.6
MT 22345	DAGMAR/MN14105-7		31.6	31.0		59.3	60.8		14.9	14.8
MT 22182	DAGMAR/MT 1617		30.2	29.5		57.6	58.8		15.2	15.4
MT 22205	LANNING/MT0945/MT 1807		28.5	24.1		59.7	60.6		16.4	16.9
MT 22083	DAGMAR/MT 1866		26.9	25.4		60.9	61.5		16.0	16.5
MS Nova	-		26.5	21.7		60.2	61.1		15.4	15.8
MT 22073	LANNING/MT 1806		25.5	20.3		58.2	59.2		<u>16.5</u>	17.2
MS Charger	-		22.5	17.9		59.6	61.3		13.9	13.3
AP Elevate	-		21.6	15.1		59.6	60.7		15.6	15.5

2023-2025 ADVANCED SPRING WHEAT NURSERY, CONRAD (DRY) : YIELD, TEST WEIGHT AND PROTEIN (CONT.)

VARIETY	PEDIGREE	YIELD			TEST WEIGHT			PROTEIN		
		(BU/AC)			(LB/BU)			(%)		
		2023-2025	2024-2025	2025	2023-2025	2024-2025	2025	2023-2025	2024-2025	2025
MT 23241	DAGMAR/MT 1866			33.5			60.7			15.4
MT 23385	MT 1866//VIDA/SxD3 (1052)			32.6			61.0			14.4
MT 23098	DAGMAR/MT 1904			32.1			60.9			15.4
MT 23265	DAGMAR/MT 1866			31.6			60.7			15.4
MT 23339	MT 1815/MT 1934			31.2			62.4			15.4
MT 23116	DAGMAR/MT 1815			30.7			60.0			15.5
MT 23205	MT 1857/MT 1817			30.7			61.0			15.5
MT 23113	MT 1855///MT 1572/MT1133//CHOTEAU/YELLOWSTONE			30.0			61.0			15.3
MT 23067	DAGMAR/NDHRS16-14-41			29.8			60.9			15.6
MT 23275	MT 1872/MT 1824			29.6			61.7			15.0
MT 23039	MT 1872/MT 1907			29.3			59.7			15.5
MT 23294	LANNING/MT 1904			29.2			61.7			15.6
MT 23085	DAGMAR/MT 1807			28.5			60.2			15.9
MT 23052	MT 1866/MT 1673			28.3			61.9			15.4
MT 23110	DAGMAR/MT 1939			28.0			60.6			15.1
MT 23297	DAGMAR/NDHRS16-14-41			27.3			61.2			15.0
MT 23184	MT 1857/MT 1673			26.7			59.5			15.9
MT 23127	MT 1872/MT 1939			25.1			60.5			15.5
MT 23084	DAGMAR/MT 1807			24.7			61.4			16.7
MT 23130	LANNING/MT 1934			23.4			60.0			16.4
AP Dagr	-			23.2			61.3			14.4
LCS Sentry	-			23.1			63.2			15.0
MT 23133	LANNING/MT 1934			22.7			61.1			16.7
AP Iconic	-			21.3			62.4			15.1
MS Ranchero	-			21.3			60.3			14.7
MT 23204	MT 1857/MT 1817			21.3			60.3			15.7
WB 9668	-			19.4			60.4			17.9
PG Predator	-			18.9			60.6			15.8
MEAN		36.60	28.10	26.20	59.30	59.40	60.80	14.90	15.10	15.40
C.V.		10.00	10.20	13.30	1.20	1.00	1 rep	3.90	3.50	3.60
PROBABILITY		<0.001	<0.001	<0.001	<0.001	<0.001	1 rep	ns	<0.001	<0.001
LSD(0.05)		6.0	5.8	4.8	1.1	1.2	1 rep	-	1.1	0.9

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2022-2025 ADVANCED SPRING WHEAT NURSERY, FORT BENTON (DRY) : YIELD, TEST WEIGHT AND PROTEIN

VARIETY	PEDIGREE	YIELD				TEST WEIGHT			PROTEIN			
		(BU/AC)				(LB/BU)			(%)			
		2022-2025	2023-2025	2024-2025	2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025
VIDA	Scholar/Reeder	<u>54.8</u>	<u>62.2</u>	<u>54.8</u>	<u>63.0</u>	<u>60.3</u>	<u>60.7</u>	60.0	14.7	14.6	15.1	15.3
ROCKER	-	<u>54.0</u>	<u>61.4</u>	<u>55.9</u>	<u>61.9</u>	<u>61.2</u>	<u>61.7</u>	<u>61.7</u>	14.9	14.7	15.2	15.0
MT 21074	MT 1525/MT 1348	<u>53.8</u>	<u>61.1</u>	<u>57.8</u>	<u>63.4</u>	<u>60.9</u>	<u>61.5</u>	<u>61.6</u>	15.6	15.0	15.4	15.4
WB GUNNISON	Conan/Agawam	<u>52.4</u>	<u>59.6</u>	<u>56.5</u>	<u>63.9</u>	<u>60.5</u>	<u>61.0</u>	60.8	14.0	13.8	14.2	14.1
NS PRESSER CLP	Vida//8209-1/Vida	<u>51.2</u>	<u>58.7</u>	<u>52.4</u>	58.3	59.6	<u>60.1</u>	58.8	14.8	14.7	15.3	15.7
MT Carlson	Lanning/MT1531	<u>50.5</u>	<u>55.5</u>	<u>48.0</u>	48.3	59.0	59.2	57.9	14.8	14.6	14.9	14.9
DAGMAR	MT1133/MT1148	<u>49.9</u>	<u>55.9</u>	<u>51.6</u>	56.2	60.2	60.6	59.6	15.5	15.4	15.9	15.8
MT Dutton	Vida/Elgin-ND	<u>49.7</u>	<u>55.6</u>	<u>49.2</u>	50.0	58.9	59.2	58.6	15.1	15.0	15.6	15.3
DUCLAIR	Choteau//ND695/MT9433	<u>49.5</u>	<u>55.8</u>	<u>52.2</u>	56.6	58.7	58.7	58.0	14.6	14.5	15.1	14.9
SY Longmire	-	<u>48.7</u>	<u>55.1</u>	<u>48.2</u>	50.8	60.5	60.7	59.5	15.6	15.2	16.0	15.5
WB 9879 CLP	Choteau*3//Choteau/IMI8134	<u>48.2</u>	<u>53.7</u>	<u>48.0</u>	55.7	59.0	59.3	59.0	15.4	15.2	15.5	15.2
MT Ubet	Lanning/MT 1338	<u>46.8</u>	<u>52.0</u>	41.5	37.2	59.6	59.5	57.5	15.2	14.9	15.6	15.5
AAC Concord	-	44.3	49.6	45.1	47.4	58.7	58.9	58.9	15.4	15.3	15.5	15.4
LANNING	Glenn/MT0747	44.1	49.2	37.1	30.4	58.9	58.9	57.0	<u>16.1</u>	<u>15.8</u>	16.3	16.3
McNEAL	RS6880/Glenman	42.3	46.8	40.7	40.8	58.8	58.9	57.9	15.1	14.9	15.4	15.2
LCS ASCENT	-	41.0	46.4	39.1	33.1	60.2	60.3	57.6	13.7	13.4	13.8	12.9
REEDER	IAS#4/H567.71//Stoa/3/ND674	39.1	43.6	33.0	28.4	60.1	60.7	60.4	15.4	15.2	15.6	15.7
AP Gunsmoke CL2	-	37.6	42.1	32.4	26.2	59.5	59.8	57.9	<u>16.1</u>	15.6	15.9	15.7
SY ROCKFORD	-	37.4	42.6	34.5	30.1	57.8	57.7	56.2	14.6	14.1	14.6	13.6
AP Smith	-	35.7	40.3	31.1	24.7	59.7	59.5	57.7	15.1	14.7	14.9	14.4
THATCHER	Marquis/lumillo durum // Marquis/Kanred	34.3	39.1	35.2	34.1	57.3	57.7	57.2	14.7	14.4	14.6	14.0
MT 21487	Dagmar/BC1-80		56.2	52.1	58.5	60.3	60.7	60.1		14.9	15.7	15.8
MT 21484	Dagmar/BC1-52		55.3	51.3	51.5	60.3	60.5	59.4		15.2	15.8	15.5
MT 21174	DAGMAR//MT1142/MT1225		50.0	46.6	49.7	59.8	60.0	59.2		15.3	15.8	15.5
ND Stampede	-		46.1	40.1	35.2	57.4	57.7	55.6		14.6	15.2	14.8
LCS BOOM	-		42.5	37.2	31.4	60.8	61.5	59.8		14.8	15.2	14.9
CP3119A	-			57.6	63.0		56.7	57.4			13.5	13.2
CP3055	-			57.4	65.5		56.1	57.7			14.8	14.1
MT 22182	DAGMAR/MT 1617			54.4	53.7		58.4	57.5			15.2	15.1
MT 22205	LANNING/MT0945/MT 1807			51.7	54.3		60.2	59.1			16.3	16.5
MT 22083	DAGMAR/MT 1866			46.8	51.2		61.3	60.1			15.7	15.3
MT 22073	LANNING/MT 1806			46.8	47.1		58.9	57.5			<u>16.8</u>	16.7
MS Nova	-			41.1	35.2		60.0	57.7			15.0	14.5
MT 22345	DAGMAR/MN14105-7			40.1	36.1		57.4	56.6			14.9	14.5
AP Elevate	-			36.0	32.1		58.8	56.9			15.4	14.5
MS Charger	-			33.0	32.3		59.2	57.2			13.7	13.0

2022-2025 ADVANCED SPRING WHEAT NURSERY, FORT BENTON (DRY) : YIELD, TEST WEIGHT AND PROTEIN (CONT.)

VARIETY	PEDIGREE	YIELD				TEST WEIGHT			PROTEIN			
		(BU/AC)				(LB/BU)			(%)			
		2022-2025	2023-2025	2024-2025	2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025
MT 23205	MT 1857/MT 1817				69.2			60.2				14.8
MT 23098	DAGMAR/MT 1904				66.9			60.5				15.5
MT 23385	MT 1866//VIDA/SxD3 (1052)				65.6			59.8				14.8
MT 23241	DAGMAR/MT 1866				61.6			59.7				15.7
MT 23184	MT 1857/MT 1673				60.2			60.8				15.1
MT 23116	DAGMAR/MT 1815				58.7			58.7				14.8
MT 23113	MT 1855///MT 1572/MT1133//CHOTEAU/YELLOWSTONE				57.3			59.3				15.3
MT 23084	DAGMAR/MT 1807				54.5			59.8				16.2
MT 23275	MT 1872/MT 1824				53.2			59.5				15.1
MT 23052	MT 1866/MT 1673				50.8			59.8				14.8
MT 23294	LANNING/MT 1904				50.7			61.2				14.9
MT 23265	DAGMAR/MT 1866				48.1			57.8				15.0
WB 9668	-				46.6			59.4				17.0
MT 23339	MT 1815/MT 1934				46.3			59.5				15.8
MT 23039	MT 1872/MT 1907				45.8			58.3				15.1
MT 23127	MT 1872/MT 1939				45.5			57.9				14.5
MT 23085	DAGMAR/MT 1807				45.4			57.5				15.7
MT 23297	DAGMAR/NDHRS16-14-41				44.2			58.3				14.9
MT 23110	DAGMAR/MT 1939				41.0			59.3				14.9
MT 23204	MT 1857/MT 1817				38.6			57.4				14.9
MT 23130	LANNING/MT 1934				33.0			57.7				15.0
MT 23067	DAGMAR/NDHRS16-14-41				32.8			57.8				15.0
LCS Sentry	-				31.9			58.9				14.3
MT 23133	LANNING/MT 1934				31.8			58.6				15.8
AP Dagr	-				31.0			56.8				13.4
PG Predator	-				30.8			56.8				15.0
AP Iconic	-				30.7			58.1				14.5
MS Ranchero	-				25.2			56.8				13.8
MEAN		46.0	51.4	45.4	46.2	59.5	59.5	58.6	15.1	14.8	25.2	15.0
C.V.		13.1	13.1	15.3	12.7	1.4	2.1	1.0	3.1	2.9	3.0	2.6
PROBABILITY		<0.001	<0.001	<0.01	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001
LSD(0.05)		8.5	11.0	14.1	9.0	1.4	2.5	0.9	0.7	0.7	0.9	0.6

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2022-2025 ADVANCED SPRING WHEAT NURSERY, HAVRE (DRY) : YIELD, TEST WEIGHT AND PROTEIN

VARIETY	PEDIGREE	YIELD				TEST WEIGHT				PROTEIN			
		(BU/AC)				(LB/BU)				(%)			
		2022-2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025
DAGMAR	MT1133/MT1148	<u>51.9</u>	<u>54.4</u>	54.2	49.9	<u>58.8</u>	<u>58.6</u>	58.6	58.6	15.9	16.1	<u>16.2</u>	16.7
MT Carlson	Lanning/MT1531	<u>51.4</u>	<u>54.4</u>	57.2	51.2	57.5	57.2	57.6	57.1	15.7	15.9	<u>15.9</u>	16.3
VIDA	Scholar/Reeder	<u>51.1</u>	<u>54.1</u>	57.4	<u>55.7</u>	57.7	57.4	57.9	58.5	15.4	15.5	15.0	15.6
LCS ASCENT	-	<u>50.8</u>	<u>53.9</u>	57.1	50.5	<u>59.5</u>	<u>59.3</u>	<u>59.9</u>	59.7	15.1	15.4	15.3	15.9
MT Dutton	Vida/Elgin-ND	<u>50.2</u>	<u>52.5</u>	54.3	<u>52.6</u>	57.2	57.1	57.3	57.5	15.9	16.1	<u>16.0</u>	16.8
MT 21074	MT 1525/MT 1348	<u>50.0</u>	<u>52.4</u>	54.4	51.4	<u>58.9</u>	<u>58.6</u>	58.6	58.2	<u>16.6</u>	<u>16.8</u>	<u>16.4</u>	16.9
SY ROCKFORD	-	<u>49.7</u>	<u>54.0</u>	53.4	48.3	57.2	56.5	56.9	57.3	15.8	15.9	15.7	16.2
MT Ubet	Lanning/MT 1338	<u>49.7</u>	<u>52.1</u>	56.7	50.5	57.6	57.6	58.7	58.7	15.8	16.1	<u>16.0</u>	16.5
WB GUNNISON	Conan/Agawam	<u>49.6</u>	<u>53.9</u>	53.3	52.2	<u>58.7</u>	<u>58.5</u>	58.5	59.1	15.0	15.2	15.3	15.6
ROCKER	-	<u>49.2</u>	<u>50.4</u>	54.2	<u>52.3</u>	<u>58.7</u>	<u>58.5</u>	59.2	59.9	15.9	16.1	15.2	15.7
LANNING	Glenn/MT0747	<u>47.9</u>	<u>52.1</u>	53.3	48.0	57.2	57.2	58.2	58.3	<u>16.3</u>	16.5	<u>16.5</u>	17.1
NS PRESSER CLP	Vida//8209-1/Vida	<u>47.1</u>	<u>49.2</u>	55.3	<u>52.9</u>	56.3	56.1	56.9	57.7	15.6	15.8	14.8	15.5
DUCLAIR	Choteau//ND695/MT9433	<u>46.8</u>	<u>49.2</u>	53.1	51.0	56.5	56.1	57.5	57.5	<u>16.3</u>	16.5	<u>16.0</u>	16.7
AP Smith	-	<u>46.7</u>	48.9	55.2	<u>55.2</u>	58.2	57.8	58.9	59.3	<u>16.0</u>	16.3	15.7	15.9
REEDER	IAS#4/H567.71//Stoa/3/ND674	<u>46.6</u>	<u>49.1</u>	50.4	49.1	58.1	57.9	58.7	59.2	15.9	16.1	15.8	16.2
AP Gunsmoke CL2	-	46.1	<u>49.5</u>	52.9	48.0	58.0	57.9	58.3	59.1	<u>16.7</u>	16.6	<u>16.7</u>	17.5
WB 9879 CLP	Choteau*3//Choteau/IMI8134	46.0	48.6	49.7	47.0	57.8	57.4	57.2	56.4	<u>16.2</u>	16.3	<u>16.5</u>	17.0
SY Longmire	-	45.5	48.3	52.7	51.7	58.0	57.5	59.1	59.9	<u>16.4</u>	16.7	<u>16.0</u>	16.6
McNEAL	RS6880/Glenman	45.4	48.3	48.8	47.2	56.9	56.7	57.5	58.1	15.9	16.0	15.6	15.9
AAC Concord	-	42.4	44.9	45.2	49.9	57.1	56.5	56.2	56.7	<u>16.4</u>	16.6	<u>16.4</u>	16.3
THATCHER	Marquis/lumillo durum // Marquis/Kanred	37.3	39.9	40.9	39.2	55.6	55.0	54.9	55.4	<u>16.3</u>	16.5	<u>16.2</u>	16.2
MT 21487	Dagmar/BC1-80		<u>55.6</u>	<u>60.1</u>	<u>56.7</u>		<u>58.2</u>	58.7	58.6		16.2	<u>15.9</u>	16.5
MT 21484	Dagmar/BC1-52		<u>55.2</u>	57.2	<u>54.3</u>		<u>58.3</u>	58.8	59.1		16.3	<u>16.0</u>	16.5
MT 21174	DAGMAR//MT1142/MT1225		<u>53.7</u>	55.3	50.4		57.8	58.1	58.6		16.7	<u>16.4</u>	16.7
LCS BOOM	-		<u>51.0</u>	53.7	50.2		<u>59.7</u>	<u>60.8</u>	<u>60.4</u>		15.9	<u>16.0</u>	16.8
ND Stampede	-		<u>50.1</u>	51.6	45.4		57.1	57.7	58.3		16.6	<u>16.5</u>	17.1
MT 22182	DAGMAR/MT 1617			58.7	<u>55.4</u>			56.7	57.1			15.7	16.2
MT 22345	DAGMAR/MN14105-7			57.1	<u>52.4</u>			56.6	57.0			15.5	16.1
MT 22205	LANNING/MT0945/MT 1807			56.5	47.9			58.8	59.1			<u>15.9</u>	16.7
AP Elevate	-			55.5	50.0			58.5	58.9			<u>16.3</u>	16.8
MS Nova	-			54.9	51.6			59.4	59.5			15.5	16.1
MT 22073	LANNING/MT 1806			54.9	51.1			57.3	56.8			<u>16.8</u>	17.7
MT 22083	DAGMAR/MT 1866			54.9	52.0			<u>60.1</u>	59.6			15.7	16.3
MS Charger	-			52.4	49.6			58.9	59.7			14.4	14.8
CP3119A	-			49.2	<u>55.3</u>			53.9	54.5			14.5	14.4
CP3055	-			46.8	51.1			52.2	53.5			<u>16.6</u>	15.5

2022-2025 ADVANCED SPRING WHEAT NURSERY, HAVRE (DRY) : YIELD, TEST WEIGHT AND PROTEIN (CONT.)

VARIETY	PEDIGREE	YIELD				TEST WEIGHT				PROTEIN			
		(BU/AC)				(LB/BU)				(%)			
		2022-2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025
MT 23241	DAGMAR/MT 1866				<u>57.2</u>				57.6				15.8
MT 23127	MT 1872/MT 1939				55.5				56.2				16.0
MT 23385	MT 1866//VIDA/SxD3 (1052)				55.0				57.8				15.6
MT 23184	MT 1857/MT 1673				54.6				59.7				16.4
MT 23052	MT 1866/MT 1673				54.2				59.5				15.9
MT 23205	MT 1857/MT 1817				53.7				58.4				16.2
MT 23265	DAGMAR/MT 1866				53.4				58.3				16.0
MT 23039	MT 1872/MT 1907				53.1				56.8				16.4
MT 23339	MT 1815/MT 1934				52.8				58.6				16.5
AP Iconic	-				52.6				58.7				16.6
MT 23098	DAGMAR/MT 1904				52.6				58.9				16.2
MT 23294	LANNING/MT 1904				52.4				58.7				16.3
PG Predator	-				52.1				59.1				16.8
MT 23085	DAGMAR/MT 1807				52.0				57.8				16.4
MT 23204	MT 1857/MT 1817				51.7				58.0				16.4
AP Dagr	-				51.7				58.2				15.9
MS Ranchero	-				51.6				58.4				15.6
MT 23130	LANNING/MT 1934				51.6				58.4				16.1
MT 23275	MT 1872/MT 1824				51.5				57.8				16.6
MT 23133	LANNING/MT 1934				51.3				59.2				16.5
MT 23067	DAGMAR/NDHRS16-14-41				50.3				59.1				16.3
MT 23116	DAGMAR/MT 1815				49.8				57.4				16.2
MT 23110	DAGMAR/MT 1939				49.8				59.0				16.4
MT 23113	MT 1855///MT 1572/MT1133//CHOTEAU/YELLOWSTONE				48.2				59.2				16.5
MT 23297	DAGMAR/NDHRS16-14-41				47.8				58.3				16.2
MT 23084	DAGMAR/MT 1807				47.1				58.6				17.1
LCS Sentry	-				43.5				59.6				16.1
WB 9668	-				39.7				58.5				18.8
MEAN		47.7	51.0	53.5	51.0	57.7	57.6	57.8	58.3	15.9	16.2	15.8	16.3
C.V.		8.1	8.0	8.1	7.0	1.6	1.7	1.1	0.8	3.4	3.7	3.1	1.3
PROBABILITY		<0.001	<0.01	ns	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	ns	<0.01	<0.001
LSD(0.05)		5.5	6.7	-	5.0	1.3	1.6	1.3	0.5	0.8	-	1.0	0.3

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2022-2025 ADVANCED SPRING WHEAT NURSERY, HINGHAM (DRY) : YIELD, TEST WEIGHT AND PROTEIN

VARIETY	PEDIGREE	YIELD				TEST WEIGHT				PROTEIN			
		(BU/AC)				(LB/BU)				(%)			
		2022-2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025
MT Dutton	Vida/Elgin-ND	42.6	45.4	38.3	46.9	60.8	61.3	60.1	60.7	13.4	12.5	13.4	12.9
WB GUNNISON	Conan/Agawam	41.6	43.9	35.5	39.7	61.6	62.2	61.3	61.8	12.4	11.9	12.7	12.4
VIDA	Scholar/Reeder	41.4	45.7	38.8	42.9	61.2	61.6	60.6	61.1	12.9	12.0	12.6	12.5
MT Ubet	Lanning/MT 1338	41.2	46.5	38.8	43.4	61.4	61.7	60.7	60.8	13.1	12.4	13.2	12.4
MT Carlson	Lanning/MT1531	41.0	43.5	36.2	41.4	61.2	61.5	60.5	60.7	12.8	12.3	12.9	12.0
McNEAL	RS6880/Glenman	40.4	44.3	36.0	38.3	60.7	61.1	59.9	60.9	13.1	12.2	12.9	12.2
NS PRESSER CLP	Vida//8209-1/Vida	40.3	42.5	38.5	42.0	61.2	61.8	60.8	61.5	12.3	11.4	12.2	11.9
ROCKER	-	39.7	41.9	37.2	41.7	62.6	63.0	62.8	63.4	12.1	11.8	12.4	12.0
REEDER	IAS#4/H567.71//Stoa/3/ND674	38.9	42.3	35.7	42.1	61.5	61.9	60.9	61.6	13.2	12.7	13.4	13.3
DUCLAIR	Choteau//ND695/MT9433	38.2	42.0	35.7	37.4	60.8	61.4	60.2	61.1	13.4	12.5	13.3	12.9
LCS ASCENT	-	37.7	42.6	36.0	36.1	62.4	62.6	62.2	62.6	12.7	12.4	13.4	12.6
AAC Concord	-	37.7	40.5	30.9	32.1	60.4	60.7	59.2	59.2	12.6	11.9	12.6	11.7
DAGMAR	MT1133/MT1148	37.7	40.6	33.6	37.2	61.6	62.1	61.3	61.4	13.4	12.8	13.5	12.6
LANNING	Glenn/MT0747	37.6	41.1	34.8	40.5	61.2	61.7	60.6	61.4	13.5	13.0	14.0	12.2
MT 21074	MT 1525/MT 1348	37.6	40.6	33.5	37.4	61.7	62.1	61.8	62.1	13.3	12.8	13.5	13.0
SY Longmire	-	36.9	41.2	33.8	39.0	62.5	63.1	62.5	62.8	13.3	12.4	13.0	12.0
WB 9879 CLP	Choteau*3//Choteau/IMI8134	36.5	40.0	31.6	34.9	61.1	61.5	60.5	60.8	13.6	12.9	13.7	13.1
THATCHER	Marquis/lumillo durum // Marquis/Kanred	36.3	40.5	33.5	38.0	60.6	61.0	59.7	60.5	12.8	12.2	12.8	12.0
AP Smith	-	33.7	36.8	27.1	34.1	61.9	62.4	61.7	61.9	13.6	13.2	13.9	13.0
SY ROCKFORD	-	33.3	37.0	31.0	34.6	60.4	60.9	59.6	60.6	13.3	12.6	13.4	12.6
AP Gunsmoke CL2	-	33.3	38.5	29.5	34.5	61.4	62.0	61.6	61.9	14.0	13.1	13.7	12.2
ND Stampede	-		43.4	37.4	43.9		60.9	59.7	60.6		12.9	13.7	12.6
LCS BOOM	-		42.6	33.6	37.4		62.6	62.6	62.8		12.9	14.0	13.0
MT 21487	Dagmar/BC1-80		41.5	34.2	37.0		61.5	60.8	61.1		12.5	13.3	12.8
MT 21484	Dagmar/BC1-52		40.5	34.9	35.3		61.7	60.7	61.0		12.9	13.5	12.6
MT 21174	DAGMAR//MT1142/MT1225		40.1	31.0	35.9		61.8	60.9	60.7		12.5	13.2	12.5
CP3119A	-			45.9	54.9			56.7	58.8			11.4	10.7
CP3055	-			41.1	46.2			58.4	59.8			11.3	10.7
MT 22345	DAGMAR/MN14105-7			39.8	42.7			60.2	61.2			12.7	11.6
MT 22205	LANNING/MT0945/MT 1807			37.0	44.5			60.4	60.8			14.4	13.0
MS Nova	-			36.0	43.0			62.7	63.7			13.4	11.9
MT 22073	LANNING/MT 1806			35.5	42.8			60.3	59.7			13.7	13.0
MT 22182	DAGMAR/MT 1617			33.5	36.8			59.3	59.8			13.8	13.1
MT 22083	DAGMAR/MT 1866			33.1	33.6			61.0	61.2			14.5	14.1
MS Charger	-			32.7	39.3			60.8	61.4			12.5	11.5
AP Elevate	-			29.1	33.0			61.0	61.0			14.3	13.5

2022-2025 ADVANCED SPRING WHEAT NURSERY, HINGHAM (DRY) : YIELD, TEST WEIGHT AND PROTEIN (CONT.)

VARIETY	PEDIGREE	YIELD				TEST WEIGHT				PROTEIN			
		(BU/AC)				(LB/BU)				(%)			
		2022-2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025
MT 23110	DAGMAR/MT 1939				44.9				61.6				12.7
MT 23127	MT 1872/MT 1939				44.4				60.8				12.7
MT 23039	MT 1872/MT 1907				44.3				60.8				11.7
MT 23294	LANNING/MT 1904				43.6				63.1				11.4
MS Ranchero	-				43.3				60.9				11.6
MT 23339	MT 1815/MT 1934				43.0				61.1				12.1
MT 23204	MT 1857/MT 1817				42.9				60.9				12.8
MT 23184	MT 1857/MT 1673				42.6				62.3				12.3
MT 23297	DAGMAR/NDHRS16-14-41				42.4				61.3				12.6
MT 23130	LANNING/MT 1934				41.9				60.2				11.9
MT 23241	DAGMAR/MT 1866				39.7				60.8				11.4
MT 23098	DAGMAR/MT 1904				39.6				61.7				12.3
MT 23085	DAGMAR/MT 1807				39.6				60.9				13.3
MT 23205	MT 1857/MT 1817				39.3				61.0				12.8
MT 23265	DAGMAR/MT 1866				39.1				61.1				12.5
LCS Sentry	-				38.9				62.6				12.9
MT 23052	MT 1866/MT 1673				38.9				61.5				12.9
MT 23275	MT 1872/MT 1824				38.8				61.4				12.8
MT 23385	MT 1866//VIDA/SxD3 (1052)				38.5				60.9				12.5
MT 23113	MT 1855///MT 1572/MT1133//CHOTEAU/YELLOWSTONE				38.3				61.3				13.7
MT 23116	DAGMAR/MT 1815				38.2				59.9				12.2
MT 23133	LANNING/MT 1934				37.4				60.6				11.8
AP Dagr	-				37.3				60.9				12.2
PG Predator	-				35.3				61.6				13.1
WB 9668	-				34.8				60.7				15.0
AP Iconic	-				33.5				61.3				12.2
MT 23084	DAGMAR/MT 1807				33.0				60.9				13.2
MT 23067	DAGMAR/NDHRS16-14-41				32.8				60.9				12.3
MEAN		38.3	41.7	35.0	39.5	61.3	61.8	60.6	61.2	13.1	12.5	13.2	12.5
C.V.		8.3	7.6	8.9	9.8	1.0	1.2	1.1	1.0	4.1	3.8	4.1	7.7
PROBABILITY		<0.001	<0.05	<0.01	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.001	<0.01
LSD(0.05)		4.5	5.2	6.3	5.7	0.9	1.2	1.4	0.9	0.8	0.8	1.1	1.4

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2022-2024 ADVANCED SPRING WHEAT NURSERY, HUNTLEY (DRY) : YIELD,TEST WEIGHT AND PROTEIN

VARIETY	PEDIGREE	YIELD			TEST WEIGHT			PROTEIN		
		(BU/AC)			(LB/BU)			(%)		
		2022-2024	2023-2024	2024	2022-2024	2023-2024	2024	2022-2024	2023-2024	2024
MT Dutton	Vida/Elgin-ND	<u>82.9</u>	<u>94.5</u>	<u>87.9</u>	59.0	58.5	59.1	13.9	14.4	14.7
DAGMAR	MT1133/MT1148	<u>81.9</u>	<u>96.9</u>	<u>87.4</u>	60.0	59.2	60.0	14.4	15.2	15.4
MT SIDNEY	MT1274/RB07	<u>81.6</u>	<u>94.9</u>	<u>89.3</u>	60.4	59.9	60.7	13.1	13.8	13.8
MT Carlson	Lanning/MT1531	<u>81.3</u>	<u>93.4</u>	<u>90.4</u>	59.8	59.4	61.0	13.6	14.2	14.0
VIDA	Scholar/Reeder	<u>80.9</u>	<u>92.9</u>	84.5	59.8	59.1	59.3	13.6	14.2	14.4
ROCKER	-	<u>80.6</u>	<u>92.2</u>	82.3	60.0	58.9	58.1	13.5	14.1	14.5
MT 21074	MT 1525/MT 1348	<u>80.3</u>	90.4	79.2	60.0	59.2	59.5	14.3	15.1	15.7
MT Ubet	Lanning/MT 1338	<u>79.8</u>	<u>93.1</u>	<u>87.6</u>	59.8	59.4	60.1	13.8	14.5	14.8
SY Longmire	-	<u>79.3</u>	<u>91.6</u>	83.0	<u>60.5</u>	59.9	59.8	13.9	14.4	14.5
MT 21104	MT 1451/MT 1866	<u>79.2</u>	<u>91.2</u>	<u>88.4</u>	59.5	58.3	57.5	13.4	13.9	14.0
MT 2063	MT 1572/MT1133//CHOTEAU/YELLOWSTONE	<u>78.9</u>	88.2	<u>87.8</u>	58.9	57.5	57.6	13.0	14.2	14.1
LCS ASCENT	-	<u>78.8</u>	<u>91.1</u>	<u>86.4</u>	60.4	59.8	61.2	13.1	13.6	13.6
SY ROCKFORD	-	<u>77.5</u>	<u>92.5</u>	80.7	58.4	57.6	57.8	13.6	14.1	14.5
NS PRESSER CLP	Vida//8209-1/Vida	<u>77.2</u>	88.4	79.6	58.7	58.1	58.3	13.5	14.3	14.4
DUCLAIR	Choteau//ND695/MT9433	<u>76.3</u>	86.4	82.6	59.1	58.6	59.2	13.5	14.2	14.6
LANNING	Glenn/MT0747	<u>75.4</u>	88.0	83.7	59.5	59.4	60.3	<u>14.7</u>	15.4	15.2
AP Gunsmoke	-	<u>75.3</u>	86.5	78.0	60.3	59.7	59.9	14.5	15.3	15.6
WB 9879 CLP	Choteau*3//Choteau/IMI8134	<u>75.1</u>	83.7	78.8	59.2	58.7	59.6	13.9	14.3	14.7
AP Smith	-	<u>74.7</u>	86.6	77.0	60.2	59.4	59.2	14.3	14.6	15.0
MT 2049	LANNING/MT 1415	<u>74.6</u>	84.8	84.0	59.3	59.1	59.8	14.1	14.2	13.9
McNEAL	RS6880/Glenman	<u>74.1</u>	84.1	73.2	59.4	58.8	58.9	14.0	15.2	<u>15.8</u>
REEDER	IAS#4/H567.71//Stoa/3/ND674	70.7	79.4	68.7	59.4	58.7	58.0	14.3	15.3	<u>15.8</u>
SY INGMAR	-	70.3	80.4	80.3	60.4	59.6	59.2	14.2	14.8	14.9
WB GUNNISON	Conan/Agawam	68.1	72.5	67.9	60.3	59.4	59.5	13.2	13.9	14.7
AAC Concord	-	62.0	67.4	62.9	59.1	58.9	59.9	14.6	<u>15.5</u>	15.7
THATCHER	Marquis/lumillo durum // Marquis/Kanred	55.8	61.7	59.0	57.7	57.9	57.8	13.8	14.9	15.3
MT 21176	DAGMAR//MT 1142/MT 1225		<u>100.5</u>	<u>94.7</u>		57.9	58.3		14.3	14.5
MT 21186	DAGMAR//MT 1142/MT 1225		<u>98.3</u>	<u>88.5</u>		58.2	59.1		14.9	14.6
MT 21487	Dagmar/BC1-80		<u>96.4</u>	<u>89.5</u>		59.5	60.5		14.9	15.0
MT 21473	DAGMAR/LANNING		<u>95.8</u>	<u>89.5</u>		59.7	60.7		14.3	15.1
MT 21485	Dagmar/BC1-80		<u>95.7</u>	86.2		58.6	59.5		15.0	14.5
MT 21220	DAGMAR/MT 1716		<u>95.6</u>	85.2		58.4	57.6		13.9	14.9
MT 21484	Dagmar/BC1-52		<u>95.3</u>	82.6		59.5	60.3		14.3	14.1
MT 21174	DAGMAR//MT 1142/MT 1225		<u>95.1</u>	84.8		58.5	59.0		14.9	15.0
MT 21224	DAGMAR/CAP 197-3		<u>92.4</u>	83.6		59.4	60.0		14.3	14.9

2022-2024 ADVANCED SPRING WHEAT NURSERY, HUNTLEY (DRY) : YIELD,TEST WEIGHT AND PROTEIN (CONT.)

VARIETY	PEDIGREE	YIELD			TEST WEIGHT			PROTEIN		
		(BU/AC)			(LB/BU)			(%)		
		2022-2024	2023-2024	2024	2022-2024	2023-2024	2024	2022-2024	2023-2024	2024
ND Stampede	-		92.1	83.6		58.8	58.8		14.8	15.2
LCS BOOM	-		88.3	83.2		61.1	62.4		14.4	14.4
MT 22205	LANNING/MT0945/MT 1807			94.6			59.5			14.3
MT 22324	DAGMAR//MT 1053/MT 1172			93.3			60.1			14.6
MT 22345	DAGMAR/MN14105-7			92.6			57.3			14.3
MT 22093	LANNING//MT1338/MT1103			89.9			60.2			15.2
MT 22179	DAGMAR/MT 1617			89.9			59.0			14.5
MT 22270	LANNING/MT 1853			88.7			60.3			14.6
MT 22182	DAGMAR/MT 1617			87.7			57.6			15.0
MT 22073	LANNING/MT 1806			87.6			56.3			15.3
MT 22184	DAGMAR/MT 1617			87.6			61.8			15.1
MT 22151	MT 1866/MT 1767			86.3			59.2			14.2
MT 22072	LANNING/MT 1806			86.2			59.8			14.2
MS Charger	-			85.8			58.0			13.2
MT 22102	LANNING*1/MT1103			85.4			59.7			15.2
MT 22099	LANNING//MT1338/MT1103			84.8			60.0			14.3
MT 22204	DAGMAR//MT1338/IDO1202S			84.5			60.4			14.7
MT 22361	MT 1867//Patwin515/MN-11394-6			84.1			57.1			14.8
MT 22177	DAGMAR/WA 8283			83.8			60.6			14.4
MT 22083	DAGMAR/MT 1866			82.9			61.3			14.4
LCS BUSTER	-			82.9			56.7			13.2
MT 22071	DAGMAR//MT1338/SD3997			81.7			55.0			14.9
AP Elevate	-			79.6			59.6			14.8
MS Nova	-			79.5			60.1			14.8
Allegiant 6284 HRS	-			79.1			60.0			15.0
Allegiant 811 HRS	-			78.1			57.5			14.3
CP3055	-			77.6			54.3			14.7
CP3119A	-			75.2			55.0			13.6
MT 22172	DAGMAR/WA 8283			72.4			59.9			15.0
MEAN		75.9	89.1	83.2	59.6	59.0	59.1	13.8	14.5	14.7
C.V.		7.6	5.3	6.8	1.4	1.5	2.9	3.8	3.2	2.9
PROBABILITY		<0.001	<0.001	<0.001	<0.05	ns	<0.001	<0.01	<0.01	<0.001
LSD(0.05)		9.4	9.6	8.5	1.4	-	2.7	0.9	1.0	0.7

no harvest due to hail in 2025

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2022-2025 ADVANCED SPRING WHEAT NURSERY, MOCCASIN (DRY) : YIELD, TEST WEIGHT AND PROTEIN

VARIETY	PEDIGREE	YIELD				TEST WEIGHT				PROTEIN			
		(BU/AC)				(LB/BU)				(%)			
		2022-2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025
DAGMAR	MT1133/MT1148	<u>42.0</u>	<u>43.0</u>	<u>40.9</u>	46.7	59.1	61.0	60.8	63.7	14.1	13.3	<u>13.4</u>	11.5
VIDA	Scholar/Reeder	<u>41.2</u>	<u>43.3</u>	<u>44.6</u>	53.5	58.3	60.0	61.0	62.5	13.8	13.0	12.4	10.6
MT Ubet	Lanning/MT 1338	40.5	<u>41.6</u>	<u>41.0</u>	47.5	58.7	60.1	60.3	62.5	13.8	13.0	12.7	11.1
MT 21074	MT 1525/MT 1348	37.2	38.9	39.1	45.4	<u>59.9</u>	<u>61.8</u>	62.0	<u>65.1</u>	14.4	13.4	13.1	12.0
MT Dutton	Vida/Elgin-ND	36.9	38.0	36.7	45.1	58.4	60.2	60.9	61.6	13.7	12.7	12.5	11.4
DUCLAIR	Choteau//ND695/MT9433	36.8	38.0	38.7	44.9	58.7	60.0	61.3	62.4	14.4	13.6	13.0	11.3
ROCKER	-	36.7	36.1	36.3	44.9	59.8	61.4	<u>62.2</u>	64.4	14.0	13.4	12.8	11.1
NS PRESSER CLP	Vida//8209-1/Vida	36.5	36.7	37.2	42.7	58.6	59.9	61.4	62.2	13.7	13.1	12.9	11.0
MT Carlson	Lanning/MT1531	36.4	36.9	33.6	40.7	59.3	61.3	62.1	62.9	13.9	13.2	13.1	11.8
LCS ASCENT	-	35.9	36.4	35.6	37.3	59.7	61.2	61.3	63.8	13.7	12.9	12.7	11.5
LANNING	Glenn/MT0747	35.5	34.4	33.6	39.0	59.1	60.6	60.9	63.1	14.0	13.2	13.0	11.6
McNEAL	RS6880/Glenman	35.5	35.8	35.3	41.1	58.5	60.0	61.0	62.8	14.3	13.7	13.0	11.4
AAC Concord	-	34.9	34.4	33.5	44.7	58.8	60.7	61.7	62.6	14.2	13.3	12.6	12.0
WB 9879 CLP	Choteau*3//Choteau/IMI8134	34.1	36.6	39.0	46.2	58.4	60.1	60.6	63.5	14.6	13.5	13.2	11.8
SY ROCKFORD	-	34.0	35.2	33.3	37.3	58.0	59.6	60.5	61.0	14.2	13.2	13.1	11.7
WB GUNNISON	Conan/Agawam	33.5	34.6	36.8	43.9	58.3	60.0	61.2	63.1	14.6	<u>13.9</u>	<u>13.4</u>	11.5
REEDER	IAS#4/H567.71//Stoa/3/ND674	32.5	33.2	31.7	34.9	59.2	61.0	61.6	63.0	14.2	13.4	12.9	12.2
AP Smith	-	30.7	33.7	32.0	38.5	59.1	60.8	61.5	63.0	14.6	13.4	12.7	11.9
AP Gunsmoke CL2	-	30.4	33.6	31.7	36.3	58.9	60.7	61.9	63.1	<u>15.2</u>	13.7	12.9	11.9
THATCHER	Marquis/lumillo durum // Marquis/Kanred	29.0	29.3	29.1	35.6	58.2	59.7	61.1	61.8	14.5	13.5	12.6	11.6
SY Longmire	-	28.9	32.4	32.1	40.7	59.0	60.6	61.7	64.1	14.7	13.2	12.4	11.4
MT 21484	Dagmar/BC1-52		41.9	40.5	46.9		61.5	62.0	63.6		12.9	12.7	11.1
MT 21174	DAGMAR//MT1142/MT1225		41.6	42.1	45.5		60.8	61.5	62.8		<u>13.9</u>	13.3	11.7
MT 21487	Dagmar/BC1-80		40.5	39.3	46.3		61.1	62.1	63.2		13.4	13.1	11.2
ND Stampede	-		34.9	31.6	36.5		60.6	61.4	61.8		13.4	13.2	11.7
LCS BOOM	-		30.6	26.8	30.5		61.2	61.0	62.6		13.0	12.9	12.4
MT 22182	DAGMAR/MT 1617			40.8	49.1			61.0	61.7			13.1	11.0
CP3119A	-			40.0	49.4			59.7	60.0			12.2	10.5
MT 22205	LANNING/MT0945/MT 1807			39.2	46.5			61.3	62.3			12.9	10.9
MT 22073	LANNING/MT 1806			38.7	42.1			61.1	61.1			12.7	11.8
CP3055	-			37.2	48.2			60.1	60.8			12.9	10.5
MS Nova	-			35.8	46.4			61.4	63.1			12.8	11.3
MT 22083	DAGMAR/MT 1866			34.7	35.9			62.1	63.5			13.1	12.3
MT 22345	DAGMAR/MN14105-7			34.0	39.5			61.1	61.4			11.9	10.5
AP Elevate	-			30.4	35.0			61.7	62.2			12.7	11.8
MS Charger	-			28.2	35.1			60.8	62.1			12.4	10.6

2022-2025 ADVANCED SPRING WHEAT NURSERY, MOCCASIN (DRY) : YIELD, TEST WEIGHT AND PROTEIN (CONT.)

VARIETY	PEDIGREE	YIELD				TEST WEIGHT				PROTEIN			
		(BU/AC)				(LB/BU)				(%)			
		2022-2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025
MT 23275	MT 1872/MT 1824				55.0				63.7				10.7
MT 23265	DAGMAR/MT 1866				50.6				62.1				10.3
MT 23098	DAGMAR/MT 1904				48.4				62.9				10.8
MT 23241	DAGMAR/MT 1866				47.4				61.9				11.0
MT 23205	MT 1857/MT 1817				46.8				63.5				11.1
MT 23339	MT 1815/MT 1934				45.9				63.5				10.5
MT 23297	DAGMAR/NDHRS16-14-41				45.6				62.1				10.9
MT 23110	DAGMAR/MT 1939				45.1				63.7				11.3
MT 23085	DAGMAR/MT 1807				44.8				62.0				10.3
MT 23116	DAGMAR/MT 1815				44.5				61.1				11.1
MS Ranchero	-				43.8				62.2				11.3
MT 23385	MT 1866//VIDA/SxD3 (1052)				43.4				62.8				10.9
MT 23294	LANNING/MT 1904				43.0				64.2				11.1
MT 23184	MT 1857/MT 1673				42.4				64.2				11.4
MT 23130	LANNING/MT 1934				42.2				62.3				11.1
MT 23113	MT 1855///MT 1572/MT1133//CHOTEAU/YELLOWSTONE				42.1				63.4				11.5
MT 23052	MT 1866/MT 1673				41.7				63.2				11.1
MT 23067	DAGMAR/NDHRS16-14-41				41.4				62.0				11.1
MT 23084	DAGMAR/MT 1807				41.1				63.0				11.7
MT 23127	MT 1872/MT 1939				40.0				62.2				11.1
MT 23039	MT 1872/MT 1907				39.2				62.6				11.1
MT 23133	LANNING/MT 1934				37.6				63.1				11.8
MT 23204	MT 1857/MT 1817				37.6				62.3				11.6
PG Predator	-				34.9				61.5				11.6
WB 9668	-				34.7				62.6				12.9
LCS Sentry	-				34.4				63.9				11.9
AP Iconic	-				34.1				62.6				11.5
AP Dagr	-				23.7				60.4				11.2
MEAN		35.2	36.6	35.8	42.0	58.9	60.6	61.2	62.6	14.2	13.3	12.8	11.3
C.V.		10.3	9.2	9.4	11.7	1.7	1.8	1.8	0.7	5.0	4.7	5.0	4.8
PROBABILITY		<0.001	<0.001	<0.001	<0.001	ns	ns	ns	<0.001	ns	ns	ns	<0.001
LSD(0.05)		5.1	5.5	6.9	7.5	-	-	-	0.6	-	-	-	0.6

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2022-2025 ADVANCED SPRING WHEAT NURSERY, SIDNEY (DRY) : YIELD, TEST WEIGHT AND PROTEIN

VARIETY	PEDIGREE	YIELD				TEST WEIGHT				PROTEIN			
		(BU/AC)				(LB/BU)				(%)			
		2022-2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025
MT Ubet	Lanning/MT 1338	<u>74.4</u>	<u>81.2</u>	<u>75.7</u>	<u>67.9</u>	63.4	63.3	64.2	63.1	12.8	12.8	13.1	13.1
MT Dutton	Vida/Elgin-ND	<u>74.0</u>	<u>80.8</u>	<u>76.5</u>	<u>67.9</u>	62.6	62.8	63.7	62.6	13.0	12.9	13.3	13.5
MT Carlson	Lanning/MT1531	<u>72.2</u>	<u>79.9</u>	<u>75.9</u>	<u>69.5</u>	63.5	63.3	63.7	62.3	13.0	13.0	13.0	12.8
LCS ASCENT	-	<u>71.8</u>	<u>79.2</u>	<u>73.8</u>	<u>67.2</u>	<u>64.5</u>	<u>64.3</u>	<u>65.4</u>	<u>64.5</u>	12.7	12.6	12.6	13.0
LANNING	Glenn/MT0747	<u>71.5</u>	<u>79.1</u>	<u>73.4</u>	<u>67.2</u>	63.7	<u>63.9</u>	<u>64.6</u>	<u>63.9</u>	<u>13.7</u>	<u>13.6</u>	<u>13.7</u>	13.4
VIDA	Scholar/Reeder	70.8	<u>77.8</u>	<u>73.3</u>	<u>66.6</u>	62.8	63.2	64.1	63.2	12.7	12.7	12.9	12.7
DAGMAR	MT1133/MT1148	69.9	<u>76.8</u>	<u>70.4</u>	63.0	63.6	<u>63.6</u>	<u>64.4</u>	63.4	<u>14.1</u>	<u>14.0</u>	<u>14.1</u>	14.0
NS PRESSER CLP	Vida//8209-1/Vida	69.4	75.6	<u>69.9</u>	65.5	61.6	62.1	62.8	62.1	12.8	12.8	12.6	12.9
SY ROCKFORD	-	68.4	75.7	<u>71.9</u>	64.1	62.7	62.6	63.5	62.7	12.7	12.6	13.0	13.0
ROCKER	-	67.9	74.9	<u>71.5</u>	64.7	<u>63.8</u>	<u>64.1</u>	<u>64.6</u>	<u>64.2</u>	13.3	13.2	13.1	12.9
AP Gunsmoke CL2	-	67.6	74.7	68.5	59.7	62.8	62.8	63.3	63.0	<u>13.8</u>	<u>13.8</u>	<u>14.0</u>	13.5
REEDER	IAS#4/H567.71//Stoa/3/ND674	66.7	73.1	<u>69.9</u>	64.2	63.3	63.4	64.2	63.4	13.6	<u>13.6</u>	<u>13.7</u>	14.0
AP Smith	-	66.2	73.1	68.0	63.4	63.6	<u>63.5</u>	<u>64.4</u>	<u>64.1</u>	<u>13.8</u>	<u>13.8</u>	<u>13.9</u>	13.8
McNEAL	RS6880/Glenman	66.1	73.4	68.9	59.7	61.8	61.8	62.1	61.6	<u>13.7</u>	<u>13.6</u>	<u>13.6</u>	13.6
SY Longmire	-	65.1	72.5	68.0	61.3	<u>63.8</u>	<u>63.8</u>	<u>64.4</u>	63.3	13.2	13.1	13.2	13.2
MT 21074	MT 1525/MT 1348	64.9	71.4	65.6	<u>66.5</u>	63.6	<u>63.8</u>	63.9	<u>63.7</u>	13.4	13.3	<u>13.7</u>	13.4
WB 9879 CLP	Choteau*3//Choteau/IMI8134	63.2	69.5	64.8	60.7	62.8	62.6	63.6	62.4	<u>13.9</u>	<u>14.0</u>	<u>14.2</u>	13.6
DUCLAIR	Choteau//ND695/MT9433	61.2	68.4	63.9	57.6	62.2	62.3	62.8	61.6	13.2	13.0	<u>13.5</u>	13.3
WB GUNNISON	Conan/Agawam	60.0	66.2	60.6	56.2	63.4	63.4	63.8	63.3	12.9	12.8	13.1	13.0
AAC Concord	-	58.6	65.0	59.8	53.5	62.4	62.4	62.8	61.8	<u>13.9</u>	<u>13.9</u>	<u>14.2</u>	13.9
THATCHER	Marquis/lumillo durum // Marquis/Kanred	50.8	57.6	56.1	50.0	61.0	61.1	61.5	60.2	<u>13.7</u>	<u>13.5</u>	<u>13.8</u>	13.7
MT 21487	Dagmar/BC1-80		<u>80.1</u>	<u>74.6</u>	<u>67.8</u>		<u>63.7</u>	<u>64.6</u>	<u>64.2</u>		13.3	13.2	13.6
MT 21484	Dagmar/BC1-52		<u>76.9</u>	<u>71.6</u>	64.5		<u>63.6</u>	<u>64.3</u>	63.3		<u>13.4</u>	<u>13.6</u>	13.7
MT 21174	DAGMAR//MT1142/MT1225		74.7	<u>71.1</u>	65.2		63.2	64.2	63.5		<u>13.7</u>	<u>13.7</u>	13.7
ND Stampede	-		73.0	66.1	61.6		62.4	63.4	62.0		13.3	<u>13.5</u>	14.1
LCS BOOM	-		72.2	65.1	55.7		<u>64.0</u>	<u>64.6</u>	<u>63.7</u>		<u>13.5</u>	<u>13.7</u>	13.6
MT 22073	LANNING/MT 1806			<u>74.7</u>	64.2			63.1	62.0			<u>13.7</u>	13.8
MT 22205	LANNING/MT0945/MT 1807			<u>74.7</u>	<u>68.4</u>			63.8	62.8			13.2	13.4
MT 22083	DAGMAR/MT 1866			<u>72.4</u>	65.3			<u>65.0</u>	<u>63.7</u>			13.4	13.8
MS Charger	-			<u>72.2</u>	61.2			<u>64.3</u>	<u>63.7</u>			11.7	12.2
CP3119A	-			<u>71.9</u>	<u>66.3</u>			58.5	58.6			12.4	12.2
MT 22345	DAGMAR/MN14105-7			<u>71.6</u>	<u>66.7</u>			63.4	62.8			13.0	13.0
AP Elevate	-			<u>71.4</u>	63.8			<u>64.3</u>	63.5			<u>13.6</u>	13.5
MT 22182	DAGMAR/MT 1617			<u>71.4</u>	61.3			63.1	61.9			13.1	13.4
MS Nova	-			<u>70.9</u>	60.7			<u>64.6</u>	<u>63.8</u>			13.3	13.1
CP3055	-			66.0	65.0			59.0	59.3			13.2	12.8

2022-2025 ADVANCED SPRING WHEAT NURSERY, SIDNEY (DRY) : YIELD, TEST WEIGHT AND PROTEIN (CONT.)

VARIETY	PEDIGREE	YIELD				TEST WEIGHT				PROTEIN			
		(BU/AC)				(LB/BU)				(%)			
		2022-2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025
MT 23275	MT 1872/MT 1824				69.9				63.3				13.0
MT 23184	MT 1857/MT 1673				69.5				63.3				13.2
MT 23130	LANNING/MT 1934				69.3				62.1				12.9
MT 23133	LANNING/MT 1934				69.0				62.9				13.5
MT 23127	MT 1872/MT 1939				68.9				61.9				13.1
MT 23204	MT 1857/MT 1817				68.5				62.7				13.2
MT 23241	DAGMAR/MT 1866				68.0				62.4				12.8
MT 23294	LANNING/MT 1904				67.0				64.1				13.1
MT 23265	DAGMAR/MT 1866				66.7				62.6				13.2
MT 23067	DAGMAR/NDHRS16-14-41				66.5				64.4				13.5
MT 23039	MT 1872/MT 1907				66.0				61.8				13.3
MT 23052	MT 1866/MT 1673				65.9				63.8				13.2
MT 23098	DAGMAR/MT 1904				65.9				63.2				13.7
MT 23205	MT 1857/MT 1817				65.8				64.0				13.3
MT 23085	DAGMAR/MT 1807				65.5				62.3				13.2
PG Predator	-				65.5				63.3				13.7
MT 23339	MT 1815/MT 1934				65.3				63.3				13.0
MT 23113	MT 1855///MT 1572/MT1133//CHOTEAU/YELLOWSTONE				65.0				63.3				13.3
MS Ranchero	-				64.8				62.8				12.8
MT 23110	DAGMAR/MT 1939				64.7				64.4				13.1
LCS Sentry	-				64.6				63.8				13.2
MT 23385	MT 1866//VIDA/SxD3 (1052)				64.3				62.3				12.9
MT 23116	DAGMAR/MT 1815				64.3				62.1				13.1
MT 23297	DAGMAR/NDHRS16-14-41				64.0				62.6				13.7
AP Dagr	-				63.9				62.0				12.9
AP Iconic	-				63.4				63.0				13.1
MT 23084	DAGMAR/MT 1807				62.9				63.5				13.8
WB 9668	-				56.2				62.3				14.6
MEAN		66.7	74.0	69.8	64.3	63.0	63.1	63.5	62.9	13.3	13.3	13.3	13.3
C.V.		3.8	4.0	4.9	6.0	0.9	0.9	0.9	1.0	2.6	3.1	3.0	2.6
PROBABILITY		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
LSD(0.05)		3.6	4.9	7.0	4.3	0.8	0.9	1.2	1.0	0.5	0.7	0.8	0.4

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2022-2025 ADVANCED SPRING WHEAT NURSERY, **BOZEMAN** (IRRI) : YIELD, TEST WEIGHT AND PROTEIN

VARIETY	PEDIGREE	YIELD				TEST WEIGHT				PROTEIN			
		(BU/AC)				(LB/BU)				(%)			
		2022-2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025
LCS ASCENT	-	116.5	116.5	104.5	103.7	62.1	61.7	61.6	61.2	13.8	13.7	13.6	14.0
MT Dutton	Vida/Elgin-ND	114.3	115.1	104.7	108.5	59.8	59.6	60.0	59.6	14.9	14.6	14.5	14.8
MT Carlson	Lanning/MT1531	113.7	113.7	105.0	103.3	61.4	61.1	61.1	60.6	14.3	14.1	14.0	14.1
MT 21074	MT 1525/MT 1348	111.9	113.4	101.7	95.7	61.8	61.9	61.5	61.6	15.2	15.1	15.0	15.0
DUCLAIR	Choteau//ND695/MT9433	109.5	108.3	101.0	95.5	60.8	60.8	60.2	59.8	14.3	14.4	14.4	14.4
DAGMAR	MT1133/MT1148	109.4	110.6	99.5	103.8	61.6	61.2	61.1	60.6	14.9	14.7	14.6	15.1
SY ROCKFORD	-	109.4	108.8	100.0	103.1	60.5	60.3	60.2	60.0	13.8	13.7	13.8	14.2
MT Ubet	Lanning/MT 1338	109.1	108.8	98.7	106.5	61.4	61.0	61.1	60.6	14.8	14.5	14.3	14.4
SY Longmire	-	108.2	107.6	102.0	91.6	61.8	62.0	61.6	61.3	14.5	14.5	14.5	14.8
VIDA	Scholar/Reeder	107.6	107.9	101.0	101.4	59.8	59.5	60.3	60.0	14.4	14.4	14.2	14.3
WB 9879 CLP	Choteau*3//Choteau/IMI8134	105.9	104.8	97.6	94.1	60.9	60.6	60.5	59.4	14.5	14.4	14.5	14.9
ROCKER	-	105.6	104.2	97.1	94.1	61.7	61.6	61.9	62.8	14.7	14.6	14.6	14.7
AP Gunsmoke CL2	-	104.9	103.1	95.4	91.7	61.1	61.2	61.4	61.2	15.1	14.9	14.9	15.7
NS PRESSER CLP	Vida//8209-1/Vida	102.6	102.6	101.1	106.1	58.4	58.3	59.2	58.9	14.6	14.4	14.5	14.6
LANNING	Glenn/MT0747	102.4	102.7	93.0	97.0	61.7	61.9	61.6	61.5	14.9	14.6	14.6	14.8
WB GUNNISON	Conan/Agawam	102.0	102.1	94.7	87.6	62.1	62.2	62.1	62.4	13.8	13.8	13.9	13.9
AP Smith	-	100.7	102.4	93.1	85.4	61.9	61.7	61.2	61.6	14.7	14.5	14.5	14.7
REEDER	IAS#4/H567.71//Stoa/3/ND674	100.5	101.7	96.7	101.2	61.0	61.0	61.6	61.8	15.1	14.9	15.0	14.9
McNEAL	RS6880/Glenman	97.1	98.2	97.3	97.0	61.0	61.5	60.4	61.0	15.1	14.7	14.4	14.6
AAC Concord	-	91.1	92.3	83.4	86.3	60.7	60.7	60.4	59.8	15.5	15.2	15.2	15.3
THATCHER	Marquis/lumillo durum // Marquis/Kanred	81.6	83.4	80.8	83.8	60.0	60.1	59.7	58.9	15.2	14.9	14.8	14.7
MT 21174	DAGMAR//MT1142/MT1225		110.5	102.6	103.4		60.9	60.8	60.6		14.6	14.6	15.0
ND Stampede	-		110.3	98.1	103.8		60.5	60.4	59.4		14.4	14.5	14.1
MT 21487	Dagmar/BC1-80		109.6	98.6	100.5		61.2	60.9	60.4		14.9	15.0	15.1
MT 21484	Dagmar/BC1-52		107.8	100.5	100.5		61.6	61.1	60.7		15.0	15.1	14.9
LCS BOOM	-		104.4	95.9	93.4		63.7	63.2	63.1		14.5	14.7	14.9
CP3055	-			116.0	113.0			58.9	58.5			13.1	12.9
MS Charger	-			108.0	100.0			60.6	59.6			12.6	13.0
MT 22345	DAGMAR/MN14105-7			107.7	106.4			59.9	59.9			14.2	14.0
CP3119A	-			106.6	119.3			57.9	57.5			13.0	13.0
MT 22182	DAGMAR/MT 1617			102.0	96.5			59.8	59.0			14.3	14.6
MT 22073	LANNING/MT 1806			99.5	99.4			60.4	59.9			15.3	15.5
MT 22205	LANNING/MT0945/MT 1807			99.5	96.1			60.0	59.3			14.9	14.7
MS Nova	-			96.7	95.6			62.2	62.1			14.1	14.2
MT 22083	DAGMAR/MT 1866			95.7	95.5			61.9	61.4			14.5	14.7
AP Elevate	-			95.0	89.4			61.0	61.1			14.5	14.8

2022-2025 ADVANCED SPRING WHEAT NURSERY, BOZEMAN (IRRI) : YIELD, TEST WEIGHT AND PROTEIN (CONT.)

VARIETY	PEDIGREE	YIELD				TEST WEIGHT				PROTEIN			
		(BU/AC)				(LB/BU)				(%)			
		2022-2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025
MT 23385	MT 1866//VIDA/SxD3 (1052)				113.8				60.9				14.0
MS Ranchero	-				111.0				61.0				13.1
MT 23265	DAGMAR/MT 1866				110.1				60.4				14.2
MT 23127	MT 1872/MT 1939				109.6				59.8				14.0
MT 23241	DAGMAR/MT 1866				108.5				60.2				14.1
MT 23052	MT 1866/MT 1673				107.9				61.2				14.1
MT 23204	MT 1857/MT 1817				106.0				60.5				14.9
MT 23039	MT 1872/MT 1907				105.5				59.8				14.2
MT 23275	MT 1872/MT 1824				104.8				60.2				14.3
MT 23098	DAGMAR/MT 1904				104.8				60.5				14.9
MT 23294	LANNING/MT 1904				104.6				62.1				14.6
MT 23184	MT 1857/MT 1673				103.7				61.7				14.8
MT 23085	DAGMAR/MT 1807				103.6				59.8				14.9
AP Dagr	-				101.3				60.5				13.8
LCS Sentry	-				101.0				61.8				14.1
MT 23113	MT 1855///MT 1572/MT1133//CHOTEAU/YELLOWSTONE				100.9				61.1				15.0
MT 23339	MT 1815/MT 1934				98.6				61.3				15.0
MT 23067	DAGMAR/NDHRS16-14-41				98.4				60.4				15.0
AP Iconic	-				98.3				62.1				14.1
MT 23116	DAGMAR/MT 1815				97.5				59.0				14.3
MT 23133	LANNING/MT 1934				97.1				61.3				14.8
MT 23130	LANNING/MT 1934				96.8				60.5				14.3
MT 23205	MT 1857/MT 1817				95.4				60.9				14.7
MT 23110	DAGMAR/MT 1939				93.4				60.5				14.9
MT 23084	DAGMAR/MT 1807				93.0				60.3				15.4
MT 23297	DAGMAR/NDHRS16-14-41				92.2				60.0				14.9
PG Predator	-				88.5				61.1				15.0
WB 9668	-				78.4				60.6				16.3
MEAN		104.9	105.8	99.2	99.6	61.0	61.1	60.7	60.6	14.7	14.5	14.4	14.5
C.V.		6.1	6.6	7.0	4.8	1.5	1.5	1.0	0.9	2.3	2.1	2.3	1.5
PROBABILITY		<0.001	<0.001	ns	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
LSD(0.05)		9.0	11.4	-	6.5	1.3	1.5	1.2	0.7	0.5	0.5	0.7	0.3

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2022-2025 ADVANCED SPRING WHEAT NURSERY, KALISPELL (WET) : YIELD, TEST WEIGHT AND PROTEIN

VARIETY	PEDIGREE	YIELD				TEST WEIGHT				PROTEIN			
		(BU/AC)				(LB/BU)				(%)			
		2022-2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025
MT Carlson	Lanning/MT1531	<u>112.5</u>	<u>119.2</u>	117.3	130.1	62.5	62.1	62.0	63.2	11.9	12.4	12.8	14.7
DAGMAR	MT1133/MT1148	<u>112.0</u>	<u>119.8</u>	117.7	128.5	62.8	62.5	63.0	64.2	12.8	13.4	13.5	15.7
MT Dutton	Vida/Elgin-ND	108.4	119.5	117.9	133.8	61.7	61.4	61.7	62.1	12.5	13.0	13.6	15.8
LCS ASCENT	-	107.8	116.9	116.4	130.7	62.7	62.3	62.6	63.8	11.9	12.5	12.6	14.5
DUCLAIR	Choteau//ND695/MT9433	103.3	106.6	108.1	122.8	61.9	61.6	61.8	62.6	12.2	12.8	13.0	15.1
SY Longmire	-	102.9	110.1	109.9	121.7	<u>63.7</u>	<u>63.6</u>	<u>63.9</u>	64.4	12.5	13.1	13.5	15.2
MT Ubet	Lanning/MT 1338	102.2	108.9	114.3	133.4	61.7	61.5	61.9	63.4	12.5	13.0	13.4	15.0
WB 9879 CLP	Choteau*3//Choteau/IMI8134	102.1	110.1	113.1	126.2	62.1	61.5	62.1	63.3	12.3	12.9	13.0	14.7
MT 21074	MT 1525/MT 1348	101.4	107.9	111.4	120.8	63.3	63.1	63.5	63.7	12.7	13.2	13.5	15.3
WB GUNNISON	Conan/Agawam	101.1	108.7	104.8	112.3	63.1	63.1	63.2	64.1	12.0	12.4	12.9	13.6
VIDA	Scholar/Reeder	100.6	110.9	112.0	126.2	62.3	61.9	62.3	63.1	12.0	12.6	12.9	14.9
AP Smith	-	100.4	107.6	108.3	123.4	63.3	63.2	63.6	64.6	<u>13.1</u>	<u>13.6</u>	14.0	14.9
LANNING	Glenn/MT0747	99.3	110.4	111.0	129.7	62.3	62.2	62.5	63.3	13.0	<u>13.6</u>	<u>14.1</u>	15.5
ROCKER	-	98.9	105.2	110.2	122.5	63.0	62.8	63.4	63.4	12.1	12.7	12.8	14.5
REEDER	IAS#4/H567.71//Stoa/3/ND674	98.7	109.4	108.5	119.6	63.2	63.2	63.6	64.0	12.8	13.4	13.8	15.7
AP Gunsmoke CL2	-	98.4	104.5	103.8	119.0	62.7	62.6	62.8	63.4	12.6	13.1	13.5	15.9
NS PRESSER CLP	Vida//8209-1/Vida	96.6	105.1	103.9	107.1	61.3	60.9	61.3	61.8	11.7	12.2	12.6	14.7
SY ROCKFORD	-	95.9	100.2	104.4	121.8	61.4	61.1	61.7	62.8	12.1	12.5	12.8	14.4
AAC Concord	-	94.2	100.6	100.2	115.8	61.9	61.7	61.8	62.9	12.6	13.1	13.3	15.7
McNEAL	RS6880/Glenman	92.2	101.1	101.7	117.1	62.4	62.2	62.5	62.8	11.7	12.0	12.3	14.1
THATCHER	Marquis/lumillo durum // Marquis/Kanred	81.7	90.4	87.2	82.9	61.6	61.2	61.0	60.9	12.4	12.9	13.5	15.6
MT 21174	DAGMAR//MT1142/MT1225		114.7	117.4	128.9		62.3	62.9	64.0		12.6	13.1	14.8
MT 21487	Dagmar/BC1-80		113.3	114.7	121.8		62.0	62.3	63.0		12.3	12.6	14.6
MT 21484	Dagmar/BC1-52		112.4	108.9	119.7		62.4	62.6	63.2		12.8	13.2	15.7
LCS BOOM	-		110.0	107.9	127.1		<u>63.6</u>	63.6	64.7		13.2	13.4	15.2
ND Stampede	-		102.5	104.4	118.2		61.5	62.2	62.8		11.8	12.2	13.8
CP3055	-			<u>139.9</u>	<u>154.5</u>			62.2	63.6			11.4	13.0
MT 22205	LANNING/MT0945/MT 1807			120.0	138.6			62.1	63.2			13.1	15.6
CP3119A	-			118.3	135.7			60.2	61.5			11.9	13.2
MT 22182	DAGMAR/MT 1617			118.1	132.8			61.5	62.6			13.0	15.0
MS Charger	-			117.9	127.0			62.4	63.5			11.6	13.0
MT 22345	DAGMAR/MN14105-7			112.1	115.5			61.4	61.6			12.7	14.7
AP Elevate	-			109.6	131.2			63.6	<u>64.8</u>			13.1	14.6
MT 22073	LANNING/MT 1806			107.7	121.5			61.7	62.7			13.7	15.7
MS Nova	-			106.2	119.2			63.2	64.0			13.1	14.8
MT 22083	DAGMAR/MT 1866			105.1	116.9			63.2	63.7			13.0	15.0

2022-2025 ADVANCED SPRING WHEAT NURSERY, KALISPELL (WET) : YIELD, TEST WEIGHT AND PROTEIN (CONT.)

VARIETY	PEDIGREE	YIELD				TEST WEIGHT				PROTEIN			
		(BU/AC)				(LB/BU)				(%)			
		2022-2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025
MT 23127	MT 1872/MT 1939				141.6				63.7				14.5
MT 23110	DAGMAR/MT 1939				141.1				64.2				14.3
MT 23205	MT 1857/MT 1817				134.7				63.5				14.7
MT 23297	DAGMAR/NDHRS16-14-41				134.1				62.4				15.1
AP Dagr	-				134.0				63.8				14.0
MT 23084	DAGMAR/MT 1807				133.1				63.8				15.7
MT 23116	DAGMAR/MT 1815				132.5				63.0				14.5
MT 23133	LANNING/MT 1934				130.0				63.6				15.3
MT 23385	MT 1866//VIDA/SxD3 (1052)				129.8				63.6				15.1
PG Predator	-				128.4				64.5				14.4
MT 23098	DAGMAR/MT 1904				127.4				63.2				15.6
AP Iconic	-				127.3				64.3				14.5
MT 23130	LANNING/MT 1934				126.4				62.6				15.1
MT 23052	MT 1866/MT 1673				125.8				62.5				14.7
MT 23184	MT 1857/MT 1673				125.8				64.0				15.2
MT 23265	DAGMAR/MT 1866				125.7				61.1				15.2
MT 23039	MT 1872/MT 1907				125.6				63.4				14.7
WB 9668	-				125.6				63.0				15.7
MT 23067	DAGMAR/NDHRS16-14-41				125.4				64.3				15.4
MT 23275	MT 1872/MT 1824				124.2				63.7				14.3
LCS Sentry	-				122.8				64.2				14.6
MT 23204	MT 1857/MT 1817				122.5				63.4				15.1
MT 23085	DAGMAR/MT 1807				121.9				62.7				16.0
MT 23294	LANNING/MT 1904				121.3				64.0				15.3
MT 23241	DAGMAR/MT 1866				120.2				62.4				15.0
MT 23113	MT 1855///MT 1572/MT1133//CHOTEAU/YELLOWSTONE				118.1				63.3				15.8
MT 23339	MT 1815/MT 1934				117.8				63.0				15.1
MS Ranchero	-				108.6				62.5				14.2
MEAN		100.5	108.7	110.8	125.1	62.4	62.2	62.4	63.3	12.3	12.8	13.0	14.9
C.V.		7.0	6.2	6.4	6.2	0.9	0.9	0.9	1.0	3.5	3.7	4.2	2.4
PROBABILITY		<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001
LSD(0.05)		9.9	11.1	14.5	12.3	0.8	0.9	1.2	1.0	0.6	0.8	1.1	0.6

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2022-2025 ADVANCED SPRING WHEAT NURSERY, SIDNEY (IRRI) : YIELD, TEST WEIGHT AND PROTEIN

VARIETY	PEDIGREE	YIELD				TEST WEIGHT				PROTEIN			
		(BU/AC)				(LB/BU)				(%)			
		2022-2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025
AP Gunsmoke CL2	-	<u>109.9</u>	115.5	111.2	110.3	63.8	63.6	64.3	63.3	14.5	14.3	14.1	14.0
MT Ubet	Lanning/MT 1338	<u>109.6</u>	114.4	110.3	109.5	63.7	63.5	64.4	63.2	14.2	14.2	14.2	14.1
LCS ASCENT	-	<u>109.3</u>	114.4	111.4	111.7	<u>64.7</u>	64.3	65.4	64.4	13.4	13.3	13.1	13.2
SY Longmire	-	<u>108.4</u>	113.8	110.2	107.9	<u>64.4</u>	64.2	65.0	64.0	13.9	13.8	13.6	13.8
MT Dutton	Vida/Elgin-ND	<u>107.9</u>	114.5	109.0	108.2	63.1	63.1	63.8	62.7	14.2	14.2	14.4	14.7
ROCKER	-	<u>107.4</u>	112.3	105.1	104.9	63.9	63.8	64.6	64.3	13.8	13.7	13.8	14.1
MT Carlson	Lanning/MT1531	<u>107.1</u>	112.9	110.5	113.6	63.4	63.0	63.8	62.5	13.7	13.7	13.6	13.3
DAGMAR	MT1133/MT1148	<u>106.8</u>	112.8	107.2	107.1	64.0	63.7	64.5	63.3	14.7	<u>14.9</u>	14.4	14.3
WB 9879 CLP	Choteau*3//Choteau/IMI8134	<u>105.4</u>	111.8	109.3	114.8	63.6	63.2	64.2	63.1	13.7	13.7	13.8	13.9
DUCLAIR	Choteau//ND695/MT9433	<u>104.9</u>	109.8	106.4	107.1	62.7	62.4	63.2	62.5	13.8	13.8	13.9	13.8
LANNING	Glenn/MT0747	<u>104.8</u>	110.5	106.4	107.2	63.6	63.5	64.4	63.5	<u>14.8</u>	14.8	<u>15.1</u>	14.7
VIDA	Scholar/Reeder	<u>104.3</u>	111.7	106.6	107.4	63.4	63.4	64.0	63.0	14.0	13.9	14.1	14.2
SY ROCKFORD	-	102.9	107.9	101.6	109.6	62.9	62.6	63.7	63.2	13.4	13.1	13.0	13.3
REEDER	IAS#4/H567.71//Stoa/3/ND674	102.7	109.5	103.9	106.7	64.2	64.1	64.6	63.9	14.1	14.0	14.2	13.8
AP Smith	-	102.6	108.7	105.0	106.8	64.4	64.3	65.0	64.3	13.9	13.8	14.0	14.1
NS PRESSER CLP	Vida//8209-1/Vida	102.0	109.0	103.6	103.3	62.4	62.5	63.1	62.3	13.5	13.4	13.5	13.8
McNEAL	RS6880/Glenman	100.4	106.0	101.1	94.3	62.8	62.5	63.3	62.3	14.0	13.9	13.9	14.1
MT 21074	MT 1525/MT 1348	99.9	105.0	101.8	110.4	63.9	63.7	64.6	64.7	14.3	14.2	13.9	13.6
WB GUNNISON	Conan/Agawam	91.2	96.2	94.6	96.4	63.6	63.5	63.9	63.2	13.3	13.1	13.2	12.9
AAC Concord	-	91.1	95.0	93.5	92.4	63.0	62.7	63.3	62.3	<u>14.8</u>	14.6	14.7	14.2
THATCHER	Marquis/lumillo durum // Marquis/Kanred	86.8	90.5	87.1	84.5	62.8	62.4	62.8	61.5	14.1	14.0	14.1	14.0
MT 21484	Dagmar/BC1-52		<u>118.0</u>	111.4	109.8		64.0	64.9	63.8		14.6	14.4	14.4
MT 21487	Dagmar/BC1-80		<u>117.6</u>	111.8	109.9		64.1	65.0	63.9		14.4	14.2	14.2
ND Stampede	-		<u>115.7</u>	106.8	111.6		64.0	64.9	64.1		13.4	13.4	14.1
MT 21174	DAGMAR//MT1142/MT1225		<u>111.1</u>	106.2	108.6		63.2	64.1	63.2		14.2	14.5	14.7
LCS BOOM	-		<u>110.9</u>	105.2	102.7		<u>64.9</u>	<u>65.8</u>	<u>64.8</u>		14.1	14.0	13.8
MS Charger	-			<u>114.1</u>	111.0			64.6	63.8			11.8	12.4
MT 22345	DAGMAR/MN14105-7			<u>112.2</u>	108.4			63.6	62.8			13.5	13.6
AP Elevate	-			<u>111.4</u>	111.3			65.0	64.2			13.9	13.8
CP3055	-			<u>110.5</u>	110.7			62.8	62.9			12.3	12.6
MT 22182	DAGMAR/MT 1617			<u>109.9</u>	102.7			62.5	61.0			13.7	13.6
MS Nova	-			<u>109.0</u>	107.7			65.1	64.1			14.2	14.3
MT 22205	LANNING/MT0945/MT 1807			<u>108.3</u>	109.5			63.7	62.4			14.3	14.1
MT 22073	LANNING/MT 1806			<u>105.7</u>	108.2			63.5	62.1			14.8	15.0
MT 22083	DAGMAR/MT 1866			100.8	104.8			65.3	64.4			14.5	14.5
CP3119A	-			100.1	100.9			61.0	61.6			12.6	13.1

2022-2025 ADVANCED SPRING WHEAT NURSERY, SIDNEY (IRRI) : YIELD, TEST WEIGHT AND PROTEIN (CONT.)

VARIETY	PEDIGREE	YIELD				TEST WEIGHT				PROTEIN			
		(BU/AC)				(LB/BU)				(%)			
		2022-2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025	2022-2025	2023-2025	2024-2025	2025
MT 23127	MT 1872/MT 1939				115.6				62.8				14.1
MT 23085	DAGMAR/MT 1807				114.9				62.7				14.3
AP Iconic	-				114.4				64.1				13.2
MT 23039	MT 1872/MT 1907				113.4				62.7				13.8
MT 23241	DAGMAR/MT 1866				113.4				63.4				13.7
LCS Sentry	-				112.2				64.4				13.0
MT 23204	MT 1857/MT 1817				111.2				63.2				13.8
MT 23265	DAGMAR/MT 1866				111.1				63.0				13.2
MT 23205	MT 1857/MT 1817				110.8				63.9				13.8
MT 23098	DAGMAR/MT 1904				110.7				63.7				13.7
MT 23275	MT 1872/MT 1824				109.1				63.5				13.6
MT 23116	DAGMAR/MT 1815				109.1				62.1				13.6
MT 23110	DAGMAR/MT 1939				108.4				63.1				14.5
MS Ranchero	-				108.2				63.5				13.4
MT 23297	DAGMAR/NDHRS16-14-41				108.0				62.9				14.0
MT 23133	LANNING/MT 1934				108.0				63.5				14.3
MT 23339	MT 1815/MT 1934				107.5				63.2				14.5
MT 23084	DAGMAR/MT 1807				107.3				63.1				14.6
MT 23052	MT 1866/MT 1673				107.1				64.4				13.8
PG Predator	-				106.4				63.8				13.9
AP Dagr	-				106.2				63.4				12.7
MT 23184	MT 1857/MT 1673				105.8				64.4				14.2
MT 23294	LANNING/MT 1904				105.6				64.1				14.8
MT 23067	DAGMAR/NDHRS16-14-41				105.1				63.2				14.6
MT 23113	MT 1855///MT 1572/MT1133//CHOTEAU/YELLOWSTONE				104.9				63.1				14.2
MT 23385	MT 1866//VIDA/SxD3 (1052)				101.1				62.6				14.4
MT 23130	LANNING/MT 1934				99.6				62.3				14.2
WB 9668	-				90.6				62.8				15.1
MEAN		103.1	109.8	106.1	107.1	63.5	63.5	64.1	63.3	14.0	14.0	13.8	13.9
C.V.		3.9	4.1	4.5	5.3	0.8	0.7	1.0	0.5	2.8	3.1	2.9	2.9
PROBABILITY		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
LSD(0.05)		5.7	7.4	9.6	7.2	0.7	0.8	1.2	0.4	0.6	0.7	0.8	0.6

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2025 OVERALL AGRONOMIC SUMMARY FOR THE ADVANCED SPRING WHEAT NURSERY GROWN UNDER RAIN-FED CONDITION
(BOZEMAN-DRY, CONRAD, FORT BENTON, HAVRE, HINGHAM, MOCCASIN, SIDNEY-DRY)

ENTRY	VARIETY	PEDIGREE	YIELD		TEST		PROTEIN		HEADING		PLANT	
			(BU/AC)	RANK	WEIGHT (LB/BU)	RANK	(%)	RANK	DATE (JULIAN)	RANK	HEIGHT (IN.)	RANK
64	CP3119A	-	58.1	1	57.6	64	12.3	64	179.1	64	29.1	8
40	MT 23241	DAGMAR/MT 1866	56.0	2	60.2	40	13.7	53	172.4	46	29.0	12
7	VIDA	Scholar/Reeder	55.9	3	60.7	29	13.7	54	172.9	48	28.8	15
63	CP3055	-	55.7	4	58.0	63	12.8	62	177.4	63	28.5	24
29	MT 23098	DAGMAR/MT 1904	55.0	5	60.9	22	14.0	33	170.3	22	28.7	17
46	MT 23385	MT 1866//VIDA/SxD3 (1052)	54.8	6	60.5	34	13.6	56	173.1	52	29.5	4
38	MT 23205	MT 1857/MT 1817	54.1	7	61.0	21	14.0	40	173.5	58	28.4	25
45	MT 23275	MT 1872/MT 1824	54.0	8	61.0	18	14.0	39	170.3	21	28.7	16
35	MT 23184	MT 1857/MT 1673	53.7	9	61.3	11	14.1	28	170.0	14	27.7	43
19	MT 21487	Dagmar/BC1-80	53.4	10	61.0	17	14.3	19	170.5	25	29.0	10
41	MT 23265	DAGMAR/MT 1866	52.8	11	60.1	42	13.8	49	171.3	35	28.8	14
10	NS PRESSER CLP	Vida//8209-1/Vida	52.7	12	60.1	43	13.8	51	173.8	60	29.8	3
13	MT DUTTON	Vida/Elgin-ND	52.6	13	59.9	48	14.4	14	172.2	43	28.2	30
2	ROCKER	-	52.4	14	62.4	1	13.7	52	173.3	55	28.4	27
16	MT 21074	MT 1525/MT 1348	52.3	15	61.5	6	14.5	8	173.5	57	29.0	13
23	MT 22205	LANNING/MT0945/MT 1807	52.0	16	60.6	31	14.5	6	168.6	6	27.4	49
44	MT 23339	MT 1815/MT 1934	52.0	17	61.0	15	14.0	38	172.0	42	28.1	31
42	MT 23294	LANNING/MT 1904	51.6	18	61.8	2	13.8	47	174.3	62	26.6	59
18	MT 21484	Dagmar/BC1-52	51.4	19	61.0	19	14.3	20	170.5	23	29.0	11
11	DAGMAR	MT1133/MT1148	51.3	20	61.0	20	14.5	9	169.8	12	28.7	19
32	MT 23116	DAGMAR/MT 1815	51.0	21	59.5	57	13.9	42	170.0	16	27.8	39
26	MT 23052	MT 1866/MT 1673	50.9	22	61.2	13	14.0	37	171.2	34	27.2	52
33	MT 23127	MT 1872/MT 1939	50.9	23	59.6	56	13.9	44	173.0	51	26.9	56
25	MT 23039	MT 1872/MT 1907	50.8	24	59.7	52	13.9	43	170.2	20	26.9	55
14	MT CARLSON	Lanning/MT1531	50.7	25	59.9	47	13.9	45	170.9	30	28.1	32
22	MT 22182	DAGMAR/MT 1617	50.5	26	59.2	60	14.1	30	169.4	8	28.4	28
15	MT UBET	Lanning/MT 1338	50.4	27	60.2	38	14.2	22	170.5	26	27.7	42
28	MT 23085	DAGMAR/MT 1807	50.3	28	59.9	49	14.2	23	170.9	28	28.0	35
17	MT 21174	DAGMAR//MT1142/MT1225	50.2	29	60.7	27	14.4	17	171.2	33	29.4	6
31	MT 23113	MT 1855//MT 1572/MT1133//CHOTEAU/YELLOWSTONE	50.1	30	60.9	23	14.4	13	171.0	31	27.8	38
24	MT 22345	DAGMAR/MN14105-7	49.9	31	59.7	53	13.4	59	171.6	37	28.4	26
3	WB GUNNISON	Conan/Agawam	49.6	32	61.4	9	13.5	58	171.3	36	27.1	53
30	MT 23110	DAGMAR/MT 1939	49.5	33	61.2	14	14.0	34	168.5	3	29.0	9
43	MT 23297	DAGMAR/NDHRS16-14-41	49.2	34	60.2	39	14.0	35	173.4	56	28.0	34
56	SY LONGMIRE	-	48.7	35	61.6	5	14.2	24	171.9	41	27.8	40

**2025 OVERALL AGRONOMIC SUMMARY FOR THE ADVANCED SPRING WHEAT NURSERY GROWN UNDER RAIN-FED CONDITION
(BOZEMAN-DRY, CONRAD, FORT BENTON, HAVRE, HINGHAM, MOCCASIN, SIDNEY-DRY) (CONT.)**

ENTRY	VARIETY	PEDIGREE	YIELD (BU/AC)	RANK	TEST WEIGHT (LB/BU)	RANK	PROTEIN (%)	RANK	HEADING DATE (JULIAN)	RANK	PLANT HEIGHT (IN.)	RANK
8	DUCLAIR	Choteau//ND695/MT9433	48.7	36	59.8	50	14.2	25	169.9	13	28.5	21
20	MT 22073	LANNING/MT 1806	48.6	37	59.1	61	15.1	2	170.1	17	27.5	44
36	MT 23084	DAGMAR/MT 1807	48.5	38	60.9	24	14.8	3	169.6	10	27.2	51
12	WB 9879 CLP	Choteau*3//Choteau/IMI8134	48.1	39	59.8	51	14.5	7	173.0	49	27.5	45
37	MT 23204	MT 1857/MT 1817	48.0	40	60.0	45	14.1	27	170.2	19	28.5	23
39	MT 23130	LANNING/MT 1934	47.8	41	60.0	46	13.9	41	168.2	2	27.5	46
21	MT 22083	DAGMAR/MT 1866	47.7	42	61.4	8	14.7	4	168.5	4	27.9	37
52	MS NOVA	-	47.3	43	61.3	10	13.8	48	170.1	18	27.4	47
50	MS RANCHERO	-	47.3	44	60.1	44	13.3	61	171.8	38	28.7	18
27	MT 23067	DAGMAR/NDHRS16-14-41	46.6	45	60.6	30	14.1	31	170.0	15	26.9	57
34	MT 23133	LANNING/MT 1934	45.9	46	60.7	26	14.4	15	168.2	1	26.4	60
5	REEDER	IAS#4/H567.71//Stoa/3/ND674	45.7	47	61.2	12	14.5	5	171.8	39	28.6	20
6	McNEAL	RS6880/Glenman	45.7	48	60.3	36	14.1	32	173.2	53	29.4	5
51	AAC CONCORD	-	45.6	49	59.6	55	14.1	29	173.0	50	31.2	2
9	LANNING	Glenn/MT0747	45.3	50	60.6	32	14.4	11	169.7	11	27.7	41
47	LCS ASCENT	-	44.6	51	61.5	7	13.6	55	169.4	9	27.9	36
54	ND STAMPEDE	-	44.5	52	59.3	58	14.2	21	170.9	29	28.5	22
53	MS CHARGER	-	44.2	53	60.6	33	12.6	63	171.0	32	27.0	54
1	SY ROCKFORD	-	44.1	54	59.3	59	13.8	50	173.5	59	28.2	29
57	AP SMITH	-	43.8	55	61.0	16	14.1	26	173.2	54	26.3	61
49	LCS SENTRY	-	43.7	56	61.7	4	14.0	36	170.5	24	29.4	7
61	AP ICONIC	-	43.7	57	60.7	28	13.8	46	171.9	40	28.0	33
60	AP DAGR	-	43.6	58	59.6	54	13.4	60	172.4	45	26.2	63
55	PG PREDATOR	-	42.8	59	60.2	41	14.4	16	172.3	44	26.2	62
59	AP ELEVATE	-	42.4	60	60.3	37	14.3	18	172.8	47	26.8	58
62	WB 9668	-	41.7	61	60.4	35	16.0	1	168.6	5	24.3	64
58	AP GUNSMOKE CL2	-	41.3	62	60.8	25	14.5	10	170.6	27	27.4	48
48	LCS BOOM	-	40.6	63	61.7	3	14.4	12	169.1	7	27.2	50
4	THATCHER	Marquis/lumillo durum // Marquis/Kanred	40.4	64	59.1	62	13.5	57	174.2	61	36.1	1
AVERAGE			48.9		60.4		14.0		171.4		28.1	
C.V.			10.8		1.2		3.1		0.5		3.4	
PROBABILITY			<0.001		<0.001		<0.001		<0.001		<0.001	
LSD(0.05)			5.6		0.7		0.5		1.1		1.1	

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

**2025 OVERALL AGRONOMIC SUMMARY FOR THE ADVANCED SPRING WHEAT NURSERY GROWN UNDER IRRI / HIGH RAINFALL CONDITION
(BOZEMAN-IRRI, KALISPELL, SIDNEY-IRRI)**

ENTRY	VARIETY	PEDIGREE	YIELD		TEST		PROTEIN		HEADING		PLANT	
			(BU/AC)	RANK	WEIGHT (LB/BU)	RANK	(%)	RANK	DATE (JULIAN)	RANK	HEIGHT (IN.)	RANK
63	CP3055	-	126.1	1	61.7	52	12.8	63	178.6	63	32.6	41
33	MT 23127	MT 1872/MT 1939	122.3	2	62.1	40	14.2	48	173.5	50	32.7	37
64	CP3119A	-	118.6	3	60.2	64	13.1	62	179.9	64	36.1	6
13	MT DUTTON	Vida/Elgin-ND	116.8	4	61.5	58	15.1	5	172.8	44	34.4	13
15	MT UBET	Lanning/MT 1338	116.5	5	62.4	33	14.5	32	170.9	26	32.0	49
14	MT CARLSON	Lanning/MT1531	115.7	6	62.1	41	14.0	53	170.7	23	32.7	38
41	MT 23265	DAGMAR/MT 1866	115.6	7	61.5	57	14.2	49	172.4	42	35.2	10
47	LCS ASCENT	-	115.4	8	63.1	15	13.9	58	168.8	6	32.7	36
46	MT 23385	MT 1866/VIDA/SxD3 (1052)	114.9	9	62.4	35	14.5	33	174.4	59	35.8	7
25	MT 23039	MT 1872/MT 1907	114.8	10	62.0	47	14.2	46	171.0	27	31.8	51
23	MT 22205	LANNING/MT0945/MT 1807	114.7	11	61.6	54	14.8	18	169.4	9	31.5	55
30	MT 23110	DAGMAR/MT 1939	114.3	13	62.6	24	14.6	30	168.2	4	33.4	23
29	MT 23098	DAGMAR/MT 1904	114.3	12	62.5	30	14.7	22	171.2	29	33.2	26
40	MT 23241	DAGMAR/MT 1866	114.0	14	62.0	45	14.3	45	172.9	47	33.8	19
60	AP DAGR	-	113.8	15	62.6	26	13.5	60	172.8	45	29.9	62
17	MT 21174	DAGMAR//MT1142/MT1225	113.6	16	62.6	25	14.8	15	170.7	22	36.1	5
38	MT 23205	MT 1857/MT 1817	113.6	17	62.8	18	14.4	41	173.8	51	33.3	25
26	MT 23052	MT 1866/MT 1673	113.6	18	62.7	20	14.2	47	171.2	28	31.8	52
28	MT 23085	DAGMAR/MT 1807	113.5	19	61.7	51	15.1	6	171.3	30	33.6	22
61	AP ICONIC	-	113.3	20	63.5	2	13.9	56	171.5	34	33.1	30
37	MT 23204	MT 1857/MT 1817	113.2	21	62.4	36	14.6	28	171.4	33	33.8	18
11	DAGMAR	MT1133/MT1148	113.1	22	62.7	21	15.0	8	170.0	16	34.0	15
32	MT 23116	DAGMAR/MT 1815	113.0	23	61.4	60	14.1	50	170.2	18	32.5	42
45	MT 23275	MT 1872/MT 1824	112.7	24	62.5	31	14.1	52	170.2	19	33.1	29
53	MS CHARGER	-	112.7	25	62.3	38	12.8	64	170.5	21	31.7	53
49	LCS SENTRY	-	112.0	26	63.5	5	13.9	57	170.2	20	35.1	11
35	MT 23184	MT 1857/MT 1673	111.8	27	63.4	8	14.7	20	170.1	17	31.6	54
12	WB 9879 CLP	Choteau*3//Choteau/IMI8134	111.7	28	61.9	48	14.5	34	172.7	43	32.9	34
34	MT 23133	LANNING/MT 1934	111.7	29	62.8	17	14.8	17	168.0	2	30.7	60
7	VIDA	Scholar/Reeder	111.7	30	62.0	43	14.5	35	173.2	49	33.6	21
1	SY ROCKFORD	-	111.5	31	62.0	46	14.0	55	173.9	52	33.2	27
43	MT 23297	DAGMAR/NDHRS16-14-41	111.4	32	61.8	50	14.7	23	174.8	61	34.0	16
9	LANNING	Glenn/MT0747	111.3	33	62.8	19	15.0	9	169.7	13	32.3	44
54	ND STAMPEDE	-	111.2	34	62.1	42	14.0	54	171.3	31	33.7	20
36	MT 23084	DAGMAR/MT 1807	111.1	35	62.4	34	15.2	3	169.7	12	31.9	50

**2025 OVERALL AGRONOMIC SUMMARY FOR THE ADVANCED SPRING WHEAT NURSERY GROWN UNDER IRRI / HIGH RAINFALL CONDITION
(BOZEMAN-IRRI, KALISPELL, SIDNEY-IRRI) (CONT.)**

ENTRY	VARIETY	PEDIGREE	YIELD		TEST		PROTEIN		HEADING		PLANT	
			(BU/AC)	RANK	WEIGHT (LB/BU)	RANK	(%)	RANK	DATE (JULIAN)	RANK	HEIGHT (IN.)	RANK
19	MT 21487	Dagmar/BC1-80	110.7	36	62.4	32	14.6	26	171.4	32	33.9	17
22	MT 22182	DAGMAR/MT 1617	110.7	37	60.9	62	14.4	42	169.0	7	34.3	14
59	AP ELEVATE	-	110.6	38	63.4	9	14.4	40	172.3	41	31.1	57
42	MT 23294	LANNING/MT 1904	110.5	39	63.4	6	14.9	13	174.3	57	32.4	43
24	MT 22345	DAGMAR/MN14105-7	110.1	40	61.4	59	14.1	51	171.6	36	32.6	40
18	MT 21484	Dagmar/BC1-52	110.0	41	62.6	27	15.0	11	170.8	24	34.6	12
20	MT 22073	LANNING/MT 1806	109.7	42	61.6	56	15.4	2	169.5	10	32.2	47
27	MT 23067	DAGMAR/NDHRS16-14-41	109.6	43	62.6	22	15.0	10	169.3	8	30.9	58
50	MS RANCHERO	-	109.3	44	62.3	37	13.6	59	174.2	56	37.2	3
5	REEDER	IAS#4/H567.71//Stoa/3/ND674	109.2	45	63.2	11	14.8	16	172.3	39	35.7	8
16	MT 21074	MT 1525/MT 1348	109.0	46	63.3	10	14.6	25	173.9	53	32.3	46
8	DUCLAIR	Choteau//ND695/MT9433	108.5	47	61.6	55	14.4	39	169.6	11	33.1	28
44	MT 23339	MT 1815/MT 1934	108.0	49	62.5	29	14.9	14	172.3	40	33.3	24
31	MT 23113	MT 1855//MT 1572/MT1133//CHOTEAU/YELLOWSTONE	108.0	48	62.5	28	15.0	12	170.9	25	32.9	35
55	PG PREDATOR	-	107.8	50	63.1	16	14.4	38	172.9	48	30.7	61
48	LCS BOOM	-	107.7	51	64.2	1	14.6	24	168.0	3	32.3	45
39	MT 23130	LANNING/MT 1934	107.6	52	61.8	49	14.5	31	167.8	1	29.9	63
52	MS NOVA	-	107.5	53	63.4	7	14.4	37	169.7	14	32.6	39
2	ROCKER	-	107.2	54	63.5	3	14.4	36	173.9	54	33.0	33
56	SY LONGMIRE	-	107.1	55	63.2	12	14.6	27	171.7	37	32.1	48
58	AP GUNSMOKE CL2	-	107.0	56	62.6	23	15.2	4	172.0	38	33.0	31
21	MT 22083	DAGMAR/MT 1866	105.7	57	63.2	14	14.7	21	168.3	5	33.0	32
10	NS PRESSER CLP	Vida//8209-1/Vida	105.5	58	61.0	61	14.4	43	175.7	62	36.6	4
57	AP SMITH	-	105.2	59	63.5	4	14.6	29	172.9	46	30.9	59
6	McNEAL	RS6880/Glenman	102.8	60	62.0	44	14.3	44	174.4	60	35.6	9
3	WB GUNNISON	Conan/Agawam	98.8	61	63.2	13	13.5	61	171.6	35	31.2	56
62	WB 9668	-	98.2	62	62.1	39	15.7	1	170.0	15	26.8	64
51	AAC CONCORD	-	98.2	63	61.7	53	15.1	7	174.1	55	38.8	2
4	THATCHER	Marquis/lumillo durum // Marquis/Kanred	83.7	64	60.4	63	14.8	19	174.3	58	42.0	1
AVERAGE			110.6		62.4		14.5		171.7		33.2	
C.V.			5.7		0.9		2.3		0.5		3.0	
PROBABILITY			<0.001		<0.001		<0.001		<0.001		<0.001	
LSD(0.05)			10.2		0.9		0.5		1.9		1.6	

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2025 OVERALL AGRONOMIC SUMMARY FOR THE ADVANCED SPRING WHEAT NURSERY GROWN ACROSS MONTANA

ENTRY	VARIETY	PEDIGREE	YIELD (BU/AC)	RANK	TEST WEIGHT (LB/BU)	RANK	PROTEIN (%)	RANK	HEADING DATE (JULIAN)	RANK	PLANT HEIGHT (IN.)	RANK
63	CP3055	-	<u>76.8</u>	<u>1</u>	59.1	63	12.8	62	177.8	63	29.8	32
64	CP3119A	-	76.3	2	58.4	64	12.5	64	179.4	64	31.4	8
40	MT 23241	DAGMAR/MT 1866	73.4	3	60.7	42	13.9	53	172.6	45	30.6	14
46	MT 23385	MT 1866//VIDA/SxD3 (1052)	72.8	4	61.0	35	13.9	55	173.6	55	31.6	5
29	MT 23098	DAGMAR/MT 1904	72.8	5	61.4	23	14.3	29	170.6	24	30.2	22
7	VIDA	Scholar/Reeder	72.7	6	61.1	32	13.9	49	173.0	49	30.4	17
33	MT 23127	MT 1872/MT 1939	72.3	7	60.3	54	14.0	44	173.2	51	28.8	49
38	MT 23205	MT 1857/MT 1817	72.0	8	61.5	17	14.1	39	173.6	54	30.0	26
13	MT DUTTON	Vida/Elgin-ND	71.9	9	60.4	53	14.6	8	172.4	42	30.2	21
41	MT 23265	DAGMAR/MT 1866	71.6	10	60.5	46	13.9	51	171.6	36	30.9	10
45	MT 23275	MT 1872/MT 1824	71.6	11	61.4	21	14.0	42	170.2	19	30.2	23
35	MT 23184	MT 1857/MT 1673	71.1	12	61.9	11	14.3	25	170.0	17	29.0	47
23	MT 22205	LANNING/MT0945/MT 1807	70.9	13	60.9	37	14.6	10	168.9	6	28.8	50
19	MT 21487	Dagmar/BC1-80	70.6	14	61.4	22	14.4	19	170.8	26	30.6	13
15	MT UBET	Lanning/MT 1338	70.2	15	60.9	38	14.3	26	170.7	25	29.1	45
14	MT CARLSON	Lanning/MT1531	70.2	16	60.6	45	13.9	50	170.8	27	29.6	36
25	MT 23039	MT 1872/MT 1907	70.0	17	60.4	50	14.0	43	170.5	21	28.5	54
11	DAGMAR	MT1133/MT1148	69.8	18	61.5	18	14.7	6	169.8	14	30.4	16
26	MT 23052	MT 1866/MT 1673	69.7	19	61.6	14	14.0	40	171.2	34	28.7	52
32	MT 23116	DAGMAR/MT 1815	69.6	20	60.0	59	14.0	45	170.1	18	29.3	39
16	MT 21074	MT 1525/MT 1348	69.3	21	62.1	6	14.5	12	173.6	58	30.1	24
28	MT 23085	DAGMAR/MT 1807	69.3	22	60.4	49	14.5	18	171.0	31	29.8	31
42	MT 23294	LANNING/MT 1904	69.3	23	62.3	3	14.2	36	174.3	61	28.5	56
17	MT 21174	DAGMAR//MT1142/MT1225	69.2	24	61.3	28	14.5	14	171.0	30	31.6	4
18	MT 21484	Dagmar/BC1-52	69.0	25	61.5	20	14.5	16	170.6	22	30.9	12
30	MT 23110	DAGMAR/MT 1939	69.0	26	61.6	15	14.2	33	168.4	3	30.5	15
2	ROCKER	-	68.9	27	62.8	1	13.9	48	173.5	53	29.9	28
44	MT 23339	MT 1815/MT 1934	68.8	28	61.5	19	14.2	31	172.1	41	29.9	29
22	MT 22182	DAGMAR/MT 1617	68.6	29	59.7	61	14.2	34	169.3	9	30.3	18
10	NS PRESSER CLP	Vida//8209-1/Vida	68.5	30	60.4	51	13.9	47	174.4	62	32.1	3
24	MT 22345	DAGMAR/MN14105-7	68.0	31	60.2	56	13.6	58	171.6	37	29.8	33
43	MT 23297	DAGMAR/NDHRS16-14-41	67.9	32	60.7	43	14.2	32	173.9	59	30.0	27
37	MT 23204	MT 1857/MT 1817	67.6	33	60.7	41	14.3	27	170.6	23	30.3	19
31	MT 23113	MT 1855///MT 1572/MT1133//CHOTEAU/YELLOWSTONE	67.4	34	61.4	24	14.6	11	171.0	29	29.5	37
36	MT 23084	DAGMAR/MT 1807	67.3	35	61.3	27	14.9	3	169.7	10	28.8	51

2025 OVERALL AGRONOMIC SUMMARY FOR THE ADVANCED SPRING WHEAT NURSERY GROWN ACROSS MONTANA (CONT.)

ENTRY	VARIETY	PEDIGREE	YIELD (BU/AC)	RANK	TEST WEIGHT (LB/BU)	RANK	PROTEIN (%)	RANK	HEADING DATE (JULIAN)	RANK	PLANT HEIGHT (IN.)	RANK
12	WB 9879 CLP	Choteau*3//Choteau/IMI8134	67.2	36	60.5	48	14.5	15	172.9	48	29.3	40
20	MT 22073	LANNING/MT 1806	66.9	37	59.8	60	15.2	2	169.9	15	29.1	46
8	DUCLAIR	Choteau//ND695/MT9433	66.6	38	60.4	52	14.3	30	169.8	12	30.1	25
56	SY LONGMIRE	-	66.2	39	62.1	5	14.3	24	171.8	39	29.2	43
50	MS RANCHERO	-	65.9	40	60.8	40	13.4	61	172.6	46	31.5	6
47	LCS ASCENT	-	65.8	41	62.0	7	13.7	57	169.2	8	29.5	38
39	MT 23130	LANNING/MT 1934	65.8	42	60.6	44	14.1	38	168.1	1	28.3	57
34	MT 23133	LANNING/MT 1934	65.7	43	61.4	26	14.5	13	168.1	2	27.8	61
27	MT 23067	DAGMAR/NDHRS16-14-41	65.5	44	61.2	30	14.4	23	169.8	13	28.2	58
52	MS NOVA	-	65.4	45	61.9	10	14.0	41	170.0	16	29.1	44
21	MT 22083	DAGMAR/MT 1866	65.1	46	62.0	8	14.7	4	168.4	4	29.6	35
9	LANNING	Glenn/MT0747	65.1	47	61.2	29	14.6	9	169.7	11	29.2	42
5	REEDER	IAS#4/H567.71//Stoa/3/ND674	64.7	48	61.8	12	14.6	7	172.0	40	30.9	11
53	MS CHARGER	-	64.7	49	61.1	33	12.7	63	170.9	28	28.6	53
60	AP DAGR	-	64.7	50	60.5	47	13.4	60	172.5	44	27.4	63
61	AP ICONIC	-	64.6	51	61.6	16	13.9	54	171.8	38	29.7	34
54	ND STAMPEDE	-	64.5	52	60.2	57	14.2	35	171.0	32	30.2	20
3	WB GUNNISON	Conan/Agawam	64.3	53	62.0	9	13.5	59	171.4	35	28.5	55
1	SY ROCKFORD	-	64.3	54	60.1	58	13.8	56	173.6	57	29.8	30
49	LCS SENTRY	-	64.2	55	62.2	4	13.9	46	170.4	20	31.3	9
59	AP ELEVATE	-	62.9	56	61.2	31	14.4	22	172.6	47	28.2	59
6	McNEAL	RS6880/Glenman	62.8	57	60.8	39	14.1	37	173.6	56	31.5	7
55	PG PREDATOR	-	62.3	58	61.1	34	14.4	20	172.5	43	27.7	62
57	AP SMITH	-	62.2	59	61.8	13	14.3	28	173.1	50	27.8	60
51	AAC CONCORD	-	61.4	60	60.2	55	14.4	21	173.3	52	33.7	2
58	AP GUNSMOKE CL2	-	61.0	61	61.4	25	14.7	5	171.0	33	29.3	41
48	LCS BOOM	-	60.8	62	62.5	2	14.5	17	168.7	5	28.9	48
62	WB 9668	-	58.7	63	60.9	36	15.9	1	169.0	7	25.1	64
4	THATCHER	Marquis/lumillo durum // Marquis/Kanred	53.4	64	59.5	62	13.9	52	174.2	60	38.0	1
AVERAGE			67.4		61.0		14.2		171.5		29.8	
C.V.			8.6		1.1		3		0.5		3.5	
PROBABILITY			<0.001		<0.001		<0.001		<0.001		<0.001	
LSD(0.05)			5.1		0.6		0.4		0.9		1	

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2025 GRAIN YIELD (BU/AC) SUMMARY FOR THE ADVANCED SPRING WHEAT NURSERY GROWN ACROSS MONTANA

ENTRY	VARIETY	PEDIGREE	BOZEMAN (DRY)	CONRAD	FORT BENTON	HAVRE	HINGH AM	MOCCAS IN	SIDNEY (DRY)	BOZEMAN (IRRI)	KALI SPELL	SIDNEY (IRRI)	MEAN	RANK
63	CP3055	-	78.8	35.1	65.5	51.1	46.2	48.2	65.0	113.0	154.5	110.7	76.8	1
64	CP3119A	-	76.7	41.2	63.0	55.3	54.9	49.4	66.3	119.3	135.7	100.9	76.3	2
40	MT 23241	DAGMAR/MT 1866	84.3	33.5	61.6	57.2	39.7	47.4	68.0	108.5	120.2	113.4	73.4	3
46	MT 23385	MT 1866//VIDA/SxD3 (1052)	84.3	32.6	65.6	55.0	38.5	43.4	64.3	113.8	129.8	101.1	72.8	4
29	MT 23098	DAGMAR/MT 1904	79.3	32.1	66.9	52.6	39.6	48.4	65.9	104.8	127.4	110.7	72.8	5
7	VIDA	Scholar/Reeder	78.6	31.2	63.0	55.7	42.9	53.5	66.6	101.4	126.2	107.4	72.7	6
33	MT 23127	MT 1872/MT 1939	76.7	25.1	45.5	55.5	44.4	40.0	68.9	109.6	141.6	115.6	72.3	7
38	MT 23205	MT 1857/MT 1817	73.4	30.7	69.2	53.7	39.3	46.8	65.8	95.4	134.7	110.8	72.0	8
13	MT DUTTON	Vida/Elgin-ND	75.7	29.8	50.0	52.6	46.9	45.1	67.9	108.5	133.8	108.2	71.9	9
41	MT 23265	DAGMAR/MT 1866	80.0	31.6	48.1	53.4	39.1	50.6	66.7	110.1	125.7	111.1	71.6	10
45	MT 23275	MT 1872/MT 1824	79.9	29.6	53.2	51.5	38.8	55.0	69.9	104.8	124.2	109.1	71.6	11
35	MT 23184	MT 1857/MT 1673	79.8	26.7	60.2	54.6	42.6	42.4	69.5	103.7	125.8	105.8	71.1	12
23	MT 22205	LANNING/MT0945/MT 1807	78.6	24.1	54.3	47.9	44.5	46.5	68.4	96.1	138.6	109.5	70.9	13
19	MT 21487	Dagmar/BC1-80	77.7	29.8	58.5	56.7	37.0	46.3	67.8	100.5	121.8	109.9	70.6	14
15	MT UBET	Lanning/MT 1338	83.0	23.1	37.2	50.5	43.4	47.5	67.9	106.5	133.4	109.5	70.2	15
14	MT CARLSON	Lanning/MT1531	72.7	31.1	48.3	51.2	41.4	40.7	69.5	103.3	130.1	113.6	70.2	16
25	MT 23039	MT 1872/MT 1907	77.6	29.3	45.8	53.1	44.3	39.2	66.0	105.5	125.6	113.4	70.0	17
11	DAGMAR	MT1133/MT1148	75.0	31.0	56.2	49.9	37.2	46.7	63.0	103.8	128.5	107.1	69.8	18
26	MT 23052	MT 1866/MT 1673	76.5	28.3	50.8	54.2	38.9	41.7	65.9	107.9	125.8	107.1	69.7	19
32	MT 23116	DAGMAR/MT 1815	70.9	30.7	58.7	49.8	38.2	44.5	64.3	97.5	132.5	109.1	69.6	20
16	MT 21074	MT 1525/MT 1348	71.4	30.6	63.4	51.4	37.4	45.4	66.5	95.7	120.8	110.4	69.3	21
28	MT 23085	DAGMAR/MT 1807	76.6	28.5	45.4	52.0	39.6	44.8	65.5	103.6	121.9	114.9	69.3	22
42	MT 23294	LANNING/MT 1904	75.2	29.2	50.7	52.4	43.6	43.0	67.0	104.6	121.3	105.6	69.3	23
17	MT 21174	DAGMAR//MT1142/MT1225	73.7	30.9	49.7	50.4	35.9	45.5	65.2	103.4	128.9	108.6	69.2	24
18	MT 21484	Dagmar/BC1-52	76.8	30.2	51.5	54.3	35.3	46.9	64.5	100.5	119.7	109.8	69.0	25
30	MT 23110	DAGMAR/MT 1939	73.1	28.0	41.0	49.8	44.9	45.1	64.7	93.4	141.1	108.4	69.0	26
2	ROCKER	-	69.9	31.7	61.9	52.3	41.7	44.9	64.7	94.1	122.5	104.9	68.9	27
44	MT 23339	MT 1815/MT 1934	79.3	31.2	46.3	52.8	43.0	45.9	65.3	98.6	117.8	107.5	68.8	28
22	MT 22182	DAGMAR/MT 1617	68.0	29.5	53.7	55.4	36.8	49.1	61.3	96.5	132.8	102.7	68.6	29
10	NS PRESSER CLP	Vida//8209-1/Vida	79.5	27.8	58.3	52.9	42.0	42.7	65.5	106.1	107.1	103.3	68.5	30
24	MT 22345	DAGMAR/MN14105-7	81.2	31.0	36.1	52.4	42.7	39.5	66.7	106.4	115.5	108.4	68.0	31
43	MT 23297	DAGMAR/NDHRS16-14-41	73.0	27.3	44.2	47.8	42.4	45.6	64.0	92.2	134.1	108.0	67.9	32
37	MT 23204	MT 1857/MT 1817	75.2	21.3	38.6	51.7	42.9	37.6	68.5	106.0	122.5	111.2	67.6	33
31	MT 23113	MT 1855//MT 1572/MT1133//CHOTEAU/YELLOWSTONE	69.6	30.0	57.3	48.2	38.3	42.1	65.0	100.9	118.1	104.9	67.4	34
36	MT 23084	DAGMAR/MT 1807	76.4	24.7	54.5	47.1	33.0	41.1	62.9	93.0	133.1	107.3	67.3	35

2025 GRAIN YIELD (BU/AC) SUMMARY FOR THE ADVANCED SPRING WHEAT NURSERY GROWN ACROSS MONTANA (CONT.)

ENTRY	VARIETY	PEDIGREE	BOZEMAN (DRY)	CONRAD	FORT BENTON	HAVRE	HINGH AM	MOCCAS IN	SIDNEY (DRY)	BOZEMAN (IRRI)	KALI SPELL	SIDNEY (IRRI)	MEAN	RANK
12	WB 9879 CLP	Choteau*3//Choteau/IMI8134	66.9	25.0	55.7	47.0	34.9	46.2	60.7	94.1	126.2	114.8	67.2	36
20	MT 22073	LANNING/MT 1806	72.3	20.3	47.1	51.1	42.8	42.1	64.2	99.4	121.5	108.2	66.9	37
8	DUCLAIR	Choteau//ND695/MT9433	65.3	27.8	56.6	51.0	37.4	44.9	57.6	95.5	122.8	107.1	66.6	38
56	SY LONGMIRE	-	72.0	25.2	50.8	51.7	39.0	40.7	61.3	91.6	121.7	107.9	66.2	39
50	MS RANCHERO	-	81.0	21.3	25.2	51.6	43.3	43.8	64.8	111.0	108.6	108.2	65.9	40
47	LCS ASCENT	-	66.8	21.0	33.1	50.5	36.1	37.3	67.2	103.7	130.7	111.7	65.8	41
39	MT 23130	LANNING/MT 1934	73.4	23.4	33.0	51.6	41.9	42.2	69.3	96.8	126.4	99.6	65.8	42
34	MT 23133	LANNING/MT 1934	71.6	22.7	31.8	51.3	37.4	37.6	69.0	97.1	130.0	108.0	65.7	43
27	MT 23067	DAGMAR/NDHRS16-14-41	72.6	29.8	32.8	50.3	32.8	41.4	66.5	98.4	125.4	105.1	65.5	44
52	MS NOVA	-	72.8	21.7	35.2	51.6	43.0	46.4	60.7	95.6	119.2	107.7	65.4	45
21	MT 22083	DAGMAR/MT 1866	70.5	25.4	51.2	52.0	33.6	35.9	65.3	95.5	116.9	104.8	65.1	46
9	LANNING	Glenn/MT0747	75.2	16.8	30.4	48.0	40.5	39.0	67.2	97.0	129.7	107.2	65.1	47
5	REEDER	IAS#4/H567.71//Stoa/3/ND674	75.2	26.0	28.4	49.1	42.1	34.9	64.2	101.2	119.6	106.7	64.7	48
53	MS CHARGER	-	73.8	17.9	32.3	49.6	39.3	35.1	61.2	100.0	127.0	111.0	64.7	49
60	AP DAGR	-	74.3	23.2	31.0	51.7	37.3	23.7	63.9	101.3	134.0	106.2	64.7	50
61	AP ICONIC	-	70.2	21.3	30.7	52.6	33.5	34.1	63.4	98.3	127.3	114.4	64.6	51
54	ND STAMPEDE	-	70.2	18.4	35.2	45.4	43.9	36.5	61.6	103.8	118.2	111.6	64.5	52
3	WB GUNNISON	Conan/Agawam	64.8	26.4	63.9	52.2	39.7	43.9	56.2	87.6	112.3	96.4	64.3	53
1	SY ROCKFORD	-	76.6	17.8	30.1	48.3	34.6	37.3	64.1	103.1	121.8	109.6	64.3	54
49	LCS SENTRY	-	69.4	23.1	31.9	43.5	38.9	34.4	64.6	101.0	122.8	112.2	64.2	55
59	AP ELEVATE	-	68.1	15.1	32.1	50.0	33.0	35.0	63.8	89.4	131.2	111.3	62.9	56
6	McNEAL	RS6880/Glenman	71.4	21.2	40.8	47.2	38.3	41.1	59.7	97.0	117.1	94.3	62.8	57
55	PG PREDATOR	-	61.8	18.9	30.8	52.1	35.3	34.9	65.5	88.5	128.4	106.4	62.3	58
57	AP SMITH	-	69.6	21.3	24.7	55.2	34.1	38.5	63.4	85.4	123.4	106.8	62.2	59
51	AAC CONCORD	-	64.2	27.7	47.4	49.9	32.1	44.7	53.5	86.3	115.8	92.4	61.4	60
58	AP GUNSMOKE CL2	-	61.3	23.1	26.2	48.0	34.5	36.3	59.7	91.7	119.0	110.3	61.0	61
48	LCS BOOM	-	63.4	15.8	31.4	50.2	37.4	30.5	55.7	93.4	127.1	102.7	60.8	62
62	WB 9668	-	60.5	19.4	46.6	39.7	34.8	34.7	56.2	78.4	125.6	90.6	58.7	63
4	THATCHER	Marquis/lumillo durum // Marquis/Kanred	62.9	22.9	34.1	39.2	38.0	35.6	50.0	83.8	82.9	84.5	53.4	64
MEAN			73.4	26.2	46.2	51.0	39.5	42.0	64.3	99.6	125.1	107.1	67.4	
C.V.			9.0	13.3	12.7	7.0	9.8	11.7	6.0	4.8	6.2	5.3	8.6	
PROBABILITY			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
LSD(0.05)			6.5	4.8	9.0	5.0	5.7	7.5	4.3	6.5	12.3	7.2	5.1	

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2025 TEST WEIGHT (LB/BU) SUMMARY FOR THE ADVANCED SPRING WHEAT NURSERY GROWN ACROSS MONTANA

ENTRY	VARIETY	PEDIGREE	BOZEMAN (DRY)	CONRAD	FORT BENTON	HAVRE	HING HAM	MOCCASIN	SIDNEY (DRY)	BOZEMAN (IRRI)	KALI SPELL	SIDNEY (IRRI)	MEAN	RANK
2	ROCKER	-	<u>60.9</u>	62.6	<u>61.7</u>	59.9	63.4	64.4	64.2	62.8	63.4	64.3	<u>62.8</u>	<u>1</u>
48	LCS BOOM	-	60.6	62.3	59.8	<u>60.4</u>	62.8	62.6	63.7	<u>63.1</u>	64.7	<u>64.8</u>	62.5	<u>2</u>
42	MT 23294	LANNING/MT 1904	59.9	61.7	61.2	58.7	63.1	64.2	64.1	62.1	64.0	64.1	62.3	<u>3</u>
49	LCS SENTRY	-	60.0	<u>63.2</u>	58.9	59.6	62.6	63.9	63.8	61.8	64.2	64.4	62.2	4
56	SY LONGMIRE	-	59.3	62.6	59.5	59.9	62.8	64.1	63.3	61.3	64.4	64.0	62.1	5
16	MT 21074	MT 1525/MT 1348	59.6	60.5	61.6	58.2	62.1	<u>65.1</u>	63.7	61.6	63.7	64.7	62.1	6
21	MT 22083	DAGMAR/MT 1866	60.5	61.5	60.1	59.6	61.2	63.5	63.7	61.4	63.7	64.4	62.0	7
47	LCS ASCENT	-	59.7	62.3	57.6	59.7	62.6	63.8	<u>64.5</u>	61.2	63.8	64.4	62.0	8
3	WB GUNNISON	Conan/Agawam	60.5	61.2	60.8	59.1	61.8	63.1	63.3	62.4	64.1	63.2	62.0	9
52	MS NOVA	-	60.2	61.1	57.7	59.5	<u>63.7</u>	63.1	63.8	62.1	64.0	64.1	61.9	10
35	MT 23184	MT 1857/MT 1673	59.2	59.5	60.8	59.7	62.3	64.2	63.3	61.7	64.0	64.4	61.9	11
5	REEDER	IAS#4/H567.71//Stoa/3/ND674	59.5	61.5	60.4	59.2	61.6	63.0	63.4	61.8	64.0	63.9	61.8	12
57	AP SMITH	-	59.2	62.0	57.7	59.3	61.9	63.0	64.1	61.6	64.6	64.3	61.8	13
26	MT 23052	MT 1866/MT 1673	58.5	61.9	59.8	59.5	61.5	63.2	63.8	61.2	62.5	64.4	61.6	14
30	MT 23110	DAGMAR/MT 1939	59.5	60.6	59.3	59.0	61.6	63.7	64.4	60.5	64.2	63.1	61.6	15
61	AP ICONIC	-	58.9	62.4	58.1	58.7	61.3	62.6	63.0	62.1	64.3	64.1	61.6	16
38	MT 23205	MT 1857/MT 1817	58.6	61.0	60.2	58.4	61.0	63.5	64.0	60.9	63.5	63.9	61.5	17
11	DAGMAR	MT1133/MT1148	59.0	61.1	59.6	58.6	61.4	63.7	63.4	60.6	64.2	63.3	61.5	18
44	MT 23339	MT 1815/MT 1934	58.9	62.4	59.5	58.6	61.1	63.5	63.3	61.3	63.0	63.2	61.5	19
18	MT 21484	Dagmar/BC1-52	58.9	61.5	59.4	59.1	61.0	63.6	63.3	60.7	63.2	63.8	61.5	20
19	MT 21487	Dagmar/BC1-80	58.7	61.1	60.1	58.6	61.1	63.2	64.2	60.4	63.0	63.9	61.4	21
45	MT 23275	MT 1872/MT 1824	59.5	61.7	59.5	57.8	61.4	63.7	63.3	60.2	63.7	63.5	61.4	22
29	MT 23098	DAGMAR/MT 1904	58.3	60.9	60.5	58.9	61.7	62.9	63.2	60.5	63.2	63.7	61.4	23
31	MT 23113	MT 1855//MT 1572/MT1133//CHOTEAU/YELLOWSTONE	58.8	61.0	59.3	59.2	61.3	63.4	63.3	61.1	63.3	63.1	61.4	24
58	AP GUNSMOKE CL2	-	59.3	61.6	57.9	59.1	61.9	63.1	63.0	61.2	63.4	63.3	61.4	25
34	MT 23133	LANNING/MT 1934	59.6	61.1	58.6	59.2	60.6	63.1	62.9	61.3	63.6	63.5	61.4	26
36	MT 23084	DAGMAR/MT 1807	58.9	61.4	59.8	58.6	60.9	63.0	63.5	60.3	63.8	63.1	61.3	27
17	MT 21174	DAGMAR//MT1142/MT1225	58.9	61.3	59.2	58.6	60.7	62.8	63.5	60.6	64.0	63.2	61.3	28
9	LANNING	Glenn/MT0747	59.5	60.8	57.0	58.3	61.4	63.1	63.9	61.5	63.3	63.5	61.2	29
27	MT 23067	DAGMAR/NDHRS16-14-41	59.1	60.9	57.8	59.1	60.9	62.0	64.4	60.4	64.3	63.2	61.2	30
59	AP ELEVATE	-	58.7	60.7	56.9	58.9	61.0	62.2	63.5	61.1	<u>64.8</u>	64.2	61.2	31
7	VIDA	Scholar/Reeder	58.1	61.4	60.0	58.5	61.1	62.5	63.2	60.0	63.1	63.0	61.1	32
53	MS CHARGER	-	58.6	61.3	57.2	59.7	61.4	62.1	63.7	59.6	63.5	63.8	61.1	33
55	PG PREDATOR	-	58.2	60.6	56.8	59.1	61.6	61.5	63.3	61.1	64.5	63.8	61.1	34
46	MT 23385	MT 1866//VIDA/SxD3 (1052)	58.6	61.0	59.8	57.8	60.9	62.8	62.3	60.9	63.6	62.6	61.0	35

2025 TEST WEIGHT (LB/BU) SUMMARY FOR THE ADVANCED SPRING WHEAT NURSERY GROWN ACROSS MONTANA (CONT.)

ENTRY	VARIETY	PEDIGREE	BOZEMAN (DRY)	CONRAD	FORT BENTON	HAVRE	HING HAM	MOCCASIN	SIDNEY (DRY)	BOZEMAN (IRRI)	KALI SPELL	SIDNEY (IRRI)	MEAN	RANK
62	WB 9668	-	58.7	60.4	59.4	58.5	60.7	62.6	62.3	60.6	63.0	62.8	60.9	36
23	MT 22205	LANNING/MT0945/MT 1807	59.3	60.6	59.1	59.1	60.8	62.3	62.8	59.3	63.2	62.4	60.9	37
15	MT UBET	Lanning/MT 1338	58.3	60.6	57.5	58.7	60.8	62.5	63.1	60.6	63.4	63.2	60.9	38
6	McNEAL	RS6880/Glenman	59.4	61.4	57.9	58.1	60.9	62.8	61.6	61.0	62.8	62.3	60.8	39
50	MS RANCHERO	-	59.2	60.3	56.8	58.4	60.9	62.2	62.8	61.0	62.5	63.5	60.8	40
37	MT 23204	MT 1857/MT 1817	58.7	60.3	57.4	58.0	60.9	62.3	62.7	60.5	63.4	63.2	60.7	41
40	MT 23241	DAGMAR/MT 1866	58.0	60.7	59.7	57.6	60.8	61.9	62.4	60.2	62.4	63.4	60.7	42
43	MT 23297	DAGMAR/NDHRS16-14-41	57.6	61.2	58.3	58.3	61.3	62.1	62.6	60.0	62.4	62.9	60.7	43
39	MT 23130	LANNING/MT 1934	59.6	60.0	57.7	58.4	60.2	62.3	62.1	60.5	62.6	62.3	60.6	44
14	MT CARLSON	Lanning/MT1531	58.1	60.3	57.9	57.1	60.7	62.9	62.3	60.6	63.2	62.5	60.6	45
41	MT 23265	DAGMAR/MT 1866	58.3	60.7	57.8	58.3	61.1	62.1	62.6	60.4	61.1	63.0	60.5	46
60	AP DAGR	-	57.8	61.3	56.8	58.2	60.9	60.4	62.0	60.5	63.8	63.4	60.5	47
12	WB 9879 CLP	Choteau*3//Choteau/IMI8134	56.6	60.2	59.0	56.4	60.8	63.5	62.4	59.4	63.3	63.1	60.5	48
28	MT 23085	DAGMAR/MT 1807	58.3	60.2	57.5	57.8	60.9	62.0	62.3	59.8	62.7	62.7	60.4	49
8	DUCLAIR	Choteau//ND695/MT9433	58.6	59.7	58.0	57.5	61.1	62.4	61.6	59.8	62.6	62.5	60.4	50
10	NS PRESSER CLP	Vida//8209-1/Vida	57.6	60.9	58.8	57.7	61.5	62.2	62.1	58.9	61.8	62.3	60.4	51
25	MT 23039	MT 1872/MT 1907	57.9	59.7	58.3	56.8	60.8	62.6	61.8	59.8	63.4	62.7	60.4	52
13	MT DUTTON	Vida/Elgin-ND	57.6	60.5	58.6	57.5	60.7	61.6	62.6	59.6	62.1	62.7	60.4	53
33	MT 23127	MT 1872/MT 1939	57.5	60.5	57.9	56.2	60.8	62.2	61.9	59.8	63.7	62.8	60.3	54
51	AAC CONCORD	-	58.7	59.4	58.9	56.7	59.2	62.6	61.8	59.8	62.9	62.3	60.2	55
24	MT 22345	DAGMAR/MN14105-7	58.1	60.8	56.6	57.0	61.2	61.4	62.8	59.9	61.6	62.8	60.2	56
54	ND STAMPEDE	-	57.4	59.7	55.6	58.3	60.6	61.8	62.0	59.4	62.8	64.1	60.2	57
1	SY ROCKFORD	-	57.4	59.8	56.2	57.3	60.6	61.0	62.7	60.0	62.8	63.2	60.1	58
32	MT 23116	DAGMAR/MT 1815	57.0	60.0	58.7	57.4	59.9	61.1	62.1	59.0	63.0	62.1	60.0	59
20	MT 22073	LANNING/MT 1806	57.4	59.2	57.5	56.8	59.7	61.1	62.0	59.9	62.7	62.1	59.8	60
22	MT 22182	DAGMAR/MT 1617	57.9	58.8	57.5	57.1	59.8	61.7	61.9	59.0	62.6	61.0	59.7	61
4	THATCHER	Marquis/lumillo durum // Marquis/Kanred	58.1	60.2	57.2	55.4	60.5	61.8	60.2	58.9	60.9	61.5	59.5	62
63	CP3055	-	55.5	59.2	57.7	53.5	59.8	60.8	59.3	58.5	63.6	62.9	59.1	63
64	CP3119A	-	55.6	58.0	57.4	54.5	58.8	60.0	58.6	57.5	61.5	61.6	58.4	64
MEAN			58.7	60.8	58.6	58.3	61.2	62.6	62.9	60.6	63.3	63.3	61.0	
C.V.			1 rep	1 rep	1.0	0.8	1.0	0.7	1.0	0.9	1.0	0.5	1.1	
PROBABILITY			1 rep	1 rep	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
LSD(0.05)			1 rep	1 rep	0.9	0.5	0.9	0.6	1.0	0.7	1.0	0.4	0.6	

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2025 GRAIN PROTEIN (%) SUMMARY FOR THE ADVANCED SPRING WHEAT NURSERY GROWN ACROSS MONTANA

ENTRY	VARIETY	PEDIGREE	BOZEMAN (DRY)	CONRAD	FORT BENTON	HAVRE	HINGHAM	MOCCASIN	SIDNEY (DRY)	BOZEMAN (IRRI)	KALI SPELL	SIDNEY (IRRI)	MEAN	RANK
62	WB 9668	-	<u>15.8</u>	<u>17.9</u>	<u>17.0</u>	<u>18.8</u>	<u>15.0</u>	<u>12.9</u>	<u>14.6</u>	<u>16.3</u>	<u>15.7</u>	<u>15.1</u>	<u>15.9</u>	<u>1</u>
20	MT 22073	LANNING/MT 1806	15.4	17.2	16.7	17.7	13.0	11.8	13.8	15.5	15.7	15.0	15.2	2
36	MT 23084	DAGMAR/MT 1807	15.0	16.7	16.2	17.1	13.2	11.7	13.8	15.4	15.7	14.6	14.9	3
21	MT 22083	DAGMAR/MT 1866	14.6	16.5	15.3	16.3	14.1	12.3	13.8	14.7	15.0	14.5	14.7	4
58	AP GUNSMOKE CL2	-	14.6	15.8	15.7	17.5	12.2	11.9	13.5	15.7	15.9	14.0	14.7	5
11	DAGMAR	MT1133/MT1148	15.0	15.8	15.8	16.7	12.6	11.5	14.0	15.1	15.7	14.3	14.7	6
5	REEDER	IAS#4/H567.71//Stoa/3/ND674	14.8	15.6	15.7	16.2	13.3	12.2	14.0	14.9	15.7	13.8	14.6	7
13	MT DUTTON	Vida/Elgin-ND	14.8	16.2	15.3	16.8	12.9	11.4	13.5	14.8	15.8	14.7	14.6	8
9	LANNING	Glenn/MT0747	15.1	15.3	16.3	17.1	12.2	11.6	13.4	14.8	15.5	14.7	14.6	9
23	MT 22205	LANNING/MT0945/MT 1807	14.2	16.9	16.5	16.7	13.0	10.9	13.4	14.7	15.6	14.1	14.6	10
31	MT 23113	MT 1855//MT 1572/MT1133//CHOTEAU/YELLOWSTONE	15.3	15.3	15.3	16.5	13.7	11.5	13.3	15.0	15.8	14.2	14.6	11
16	MT 21074	MT 1525/MT 1348	14.7	16.0	15.4	16.9	13.0	12.0	13.4	15.0	15.3	13.6	14.5	12
17	MT 21174	DAGMAR//MT1142/MT1225	14.8	15.8	15.5	16.7	12.5	11.7	13.7	15.0	14.8	14.7	14.5	13
34	MT 23133	LANNING/MT 1934	14.7	16.7	15.8	16.5	11.8	11.8	13.5	14.8	15.3	14.3	14.5	14
12	WB 9879 CLP	Choteau*3//Choteau/IMI8134	15.1	15.8	15.2	17.0	13.1	11.8	13.6	14.9	14.7	13.9	14.5	15
18	MT 21484	Dagmar/BC1-52	14.4	16.1	15.5	16.5	12.6	11.1	13.7	14.9	15.7	14.4	14.5	16
48	LCS BOOM	-	14.5	15.7	14.9	16.8	13.0	12.4	13.6	14.9	15.2	13.8	14.5	17
28	MT 23085	DAGMAR/MT 1807	14.5	15.9	15.7	16.4	13.3	10.3	13.2	14.9	16.0	14.3	14.5	18
19	MT 21487	Dagmar/BC1-80	14.4	16.0	15.8	16.5	12.8	11.2	13.6	15.1	14.6	14.2	14.4	19
55	PG PREDATOR	-	14.8	15.8	15.0	16.8	13.1	11.6	13.7	15.0	14.4	13.9	14.4	20
51	AAC CONCORD	-	14.6	14.8	15.4	16.3	11.7	12.0	13.9	15.3	15.7	14.2	14.4	21
59	AP ELEVATE	-	14.8	15.5	14.5	16.8	13.5	11.8	13.5	14.8	14.6	13.8	14.4	22
27	MT 23067	DAGMAR/NDHRS16-14-41	14.7	15.6	15.0	16.3	12.3	11.1	13.5	15.0	15.4	14.6	14.4	23
35	MT 23184	MT 1857/MT 1673	14.5	15.9	15.1	16.4	12.3	11.4	13.2	14.8	15.2	14.2	14.3	24
56	SY LONGMIRE	-	14.5	16.0	15.5	16.6	12.0	11.4	13.2	14.8	15.2	13.8	14.3	25
15	MT UBET	Lanning/MT 1338	13.9	16.8	15.5	16.5	12.4	11.1	13.1	14.4	15.0	14.1	14.3	26
37	MT 23204	MT 1857/MT 1817	14.3	15.7	14.9	16.4	12.8	11.6	13.2	14.9	15.1	13.8	14.3	27
57	AP SMITH	-	14.9	15.0	14.4	15.9	13.0	11.9	13.8	14.7	14.9	14.1	14.3	28
8	DUCLAIR	Choteau//ND695/MT9433	14.5	15.6	14.9	16.7	12.9	11.3	13.3	14.4	15.1	13.8	14.3	29
29	MT 23098	DAGMAR/MT 1904	14.4	15.4	15.5	16.2	12.3	10.8	13.7	14.9	15.6	13.7	14.3	30
44	MT 23339	MT 1815/MT 1934	14.4	15.4	15.8	16.5	12.1	10.5	13.0	15.0	15.1	14.5	14.2	31
43	MT 23297	DAGMAR/NDHRS16-14-41	14.7	15.0	14.9	16.2	12.6	10.9	13.7	14.9	15.1	14.0	14.2	32
22	MT 22182	DAGMAR/MT 1617	14.4	15.4	15.1	16.2	13.1	11.0	13.4	14.6	15.0	13.6	14.2	33
30	MT 23110	DAGMAR/MT 1939	14.6	15.1	14.9	16.4	12.7	11.3	13.1	14.9	14.3	14.5	14.2	34
54	ND STAMPEDE	-	14.5	14.8	14.8	17.1	12.6	11.7	14.1	14.1	13.8	14.1	14.2	35

2025 GRAIN PROTEIN (%) SUMMARY FOR THE ADVANCED SPRING WHEAT NURSERY GROWN ACROSS MONTANA (CONT.)

ENTRY	VARIETY	PEDIGREE	BOZEMAN (DRY)	CONRAD	FORT BENTON	HAVRE	HINGHAM	MOCCASIN	SIDNEY (DRY)	BOZEMAN (IRRI)	KALI SPELL	SIDNEY (IRRI)	MEAN	RANK
42	MT 23294	LANNING/MT 1904	14.4	15.6	14.9	16.3	11.4	11.1	13.1	14.6	15.3	14.8	14.2	36
6	McNEAL	RS6880/Glenman	14.3	15.9	15.2	15.9	12.2	11.4	13.6	14.6	14.1	14.1	14.1	37
39	MT 23130	LANNING/MT 1934	14.1	16.4	15.0	16.1	11.9	11.1	12.9	14.3	15.1	14.2	14.1	38
38	MT 23205	MT 1857/MT 1817	14.0	15.5	14.8	16.2	12.8	11.1	13.3	14.7	14.7	13.8	14.1	39
26	MT 23052	MT 1866/MT 1673	14.4	15.4	14.8	15.9	12.9	11.1	13.2	14.1	14.7	13.8	14.0	40
52	MS NOVA	-	14.1	15.8	14.5	16.1	11.9	11.3	13.1	14.2	14.8	14.3	14.0	41
25	MT 23039	MT 1872/MT 1907	14.1	15.5	15.1	16.4	11.7	11.1	13.3	14.2	14.7	13.8	14.0	42
45	MT 23275	MT 1872/MT 1824	14.5	15.0	15.1	16.6	12.8	10.7	13.0	14.3	14.3	13.6	14.0	43
33	MT 23127	MT 1872/MT 1939	14.3	15.5	14.5	16.0	12.7	11.1	13.1	14.0	14.5	14.1	14.0	44
32	MT 23116	DAGMAR/MT 1815	14.4	15.5	14.8	16.2	12.2	11.1	13.1	14.3	14.5	13.6	14.0	45
10	NS PRESSER CLP	Vida//8209-1/Vida	14.2	15.1	15.7	15.5	11.9	11.0	12.9	14.6	14.7	13.8	13.9	46
49	LCS SENTRY	-	14.3	15.0	14.3	16.1	12.9	11.9	13.2	14.1	14.6	13.0	13.9	47
2	ROCKER	-	14.2	15.1	15.0	15.7	12.0	11.1	12.9	14.7	14.5	14.1	13.9	48
7	VIDA	Scholar/Reeder	13.9	15.2	15.3	15.6	12.5	10.6	12.7	14.3	14.9	14.2	13.9	49
4	THATCHER	Marquis/lumillo durum // Marquis/Kanred	13.7	13.6	14.0	16.2	12.0	11.6	13.7	14.7	15.6	14.0	13.9	50
14	MT CARLSON	Lanning/MT1531	14.1	15.1	14.9	16.3	12.0	11.8	12.8	14.1	14.7	13.3	13.9	51
41	MT 23265	DAGMAR/MT 1866	14.1	15.4	15.0	16.0	12.5	10.3	13.2	14.2	15.2	13.2	13.9	52
40	MT 23241	DAGMAR/MT 1866	13.9	15.4	15.7	15.8	11.4	11.0	12.8	14.1	15.0	13.7	13.9	53
61	AP ICONIC	-	13.9	15.1	14.5	16.6	12.2	11.5	13.1	14.1	14.5	13.2	13.9	54
46	MT 23385	MT 1866//VIDA/SxD3 (1052)	13.9	14.4	14.8	15.6	12.5	10.9	12.9	14.0	15.1	14.4	13.9	55
1	SY ROCKFORD	-	13.9	15.4	13.6	16.2	12.6	11.7	13.0	14.2	14.4	13.3	13.8	56
47	LCS ASCENT	-	14.3	14.8	12.9	15.9	12.6	11.5	13.0	14.0	14.5	13.2	13.7	57
24	MT 22345	DAGMAR/MN14105-7	13.6	14.8	14.5	16.1	11.6	10.5	13.0	14.0	14.7	13.6	13.6	58
3	WB GUNNISON	Conan/Agawam	13.6	14.1	14.1	15.6	12.4	11.5	13.0	13.9	13.6	12.9	13.5	59
60	AP DAGR	-	13.8	14.4	13.4	15.9	12.2	11.2	12.9	13.8	14.0	12.7	13.4	60
50	MS RANCHERO	-	13.4	14.7	13.8	15.6	11.6	11.3	12.8	13.1	14.2	13.4	13.4	61
63	CP3055	-	12.7	13.6	14.1	15.5	10.7	10.5	12.8	12.9	13.0	12.6	12.8	62
53	MS CHARGER	-	12.8	13.3	13.0	14.8	11.5	10.6	12.2	13.0	13.0	12.4	12.7	63
64	CP3119A	-	12.3	12.6	13.2	14.4	10.7	10.5	12.2	13.0	13.2	13.1	12.5	64
MEAN			14.3	15.4	15.0	16.3	12.5	11.3	13.3	14.5	14.9	13.9	14.2	
C.V.			1 rep	3.6	2.6	1.3	7.7	4.8	2.6	1.5	2.4	2.9	3	
PROBABILITY			1 rep	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
LSD(0.05)			1 rep	0.9	0.6	0.3	1.4	0.6	0.4	0.3	0.6	0.6	0.4	

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2025 HEADING DATE (175=JUNE 24) SUMMARY FOR THE ADVANCED SPRING WHEAT NURSERY GROWN ACROSS MONTANA

ENTRY	VARIETY	PEDIGREE	BOZEMAN (DRY)	HAVRE	MOCCASIN	SIDNEY (DRY)	KALI SPELL	SIDNEY (IRRI)	MEAN	RANK
39	MT 23130	LANNING/MT 1934	176.1	<u>161.0</u>	169.1	166.6	<u>168.8</u>	166.7	<u>168.1</u>	<u>1</u>
34	MT 23133	LANNING/MT 1934	175.4	162.3	<u>168.6</u>	<u>166.5</u>	168.9	167.0	<u>168.1</u>	<u>2</u>
30	MT 23110	DAGMAR/MT 1939	175.0	162.0	169.9	166.9	170.4	<u>166.0</u>	168.4	3
21	MT 22083	DAGMAR/MT 1866	175.1	162.7	168.7	167.5	170.2	166.3	168.4	4
48	LCS BOOM	-	175.4	163.3	169.5	168.2	169.7	166.3	168.7	5
23	MT 22205	LANNING/MT0945/MT 1807	175.8	162.0	169.0	167.7	171.4	167.3	168.9	6
62	WB 9668	-	<u>174.7</u>	163.0	168.8	167.7	171.9	168.0	169.0	7
47	LCS ASCENT	-	176.1	163.0	170.4	168.1	170.6	167.0	169.2	8
22	MT 22182	DAGMAR/MT 1617	175.4	165.3	169.7	167.2	171.2	166.7	169.3	9
36	MT 23084	DAGMAR/MT 1807	177.0	163.7	169.9	167.9	171.7	167.7	169.7	10
9	LANNING	Glenn/MT0747	178.2	164.0	169.4	167.1	172.1	167.3	169.7	11
8	DUCLAIR	Choteau//ND695/MT9433	176.5	164.0	170.3	168.6	171.4	167.7	169.8	12
27	MT 23067	DAGMAR/NDHRS16-14-41	176.9	164.7	170.9	167.6	171.3	167.3	169.8	13
11	DAGMAR	MT1133/MT1148	176.9	165.0	169.9	167.2	172.0	168.0	169.8	14
20	MT 22073	LANNING/MT 1806	177.7	164.3	170.4	168.0	171.0	168.0	169.9	15
52	MS NOVA	-	177.0	164.0	171.5	167.9	171.7	167.7	170.0	16
35	MT 23184	MT 1857/MT 1673	177.6	164.3	169.4	168.6	171.9	168.3	170.0	17
32	MT 23116	DAGMAR/MT 1815	177.3	164.7	170.1	168.0	173.0	167.3	170.1	18
45	MT 23275	MT 1872/MT 1824	177.8	165.0	169.8	168.4	172.4	168.0	170.2	19
49	LCS SENTRY	-	177.5	164.7	170.6	169.1	172.1	168.3	170.4	20
25	MT 23039	MT 1872/MT 1907	177.1	165.0	170.1	168.5	173.3	168.7	170.5	21
18	MT 21484	Dagmar/BC1-52	177.4	165.7	170.2	168.5	173.5	168.0	170.6	22
29	MT 23098	DAGMAR/MT 1904	177.7	164.3	170.9	168.2	173.7	168.7	170.6	23
37	MT 23204	MT 1857/MT 1817	178.8	164.3	169.8	167.8	173.8	169.0	170.6	24
15	MT UBET	Lanning/MT 1338	178.9	163.7	171.2	168.3	173.1	168.7	170.7	25
19	MT 21487	Dagmar/BC1-80	178.1	164.7	170.9	168.4	174.4	168.3	170.8	26
14	MT CARLSON	Lanning/MT1531	178.6	165.3	170.7	168.9	172.4	169.0	170.8	27
53	MS CHARGER	-	177.2	166.0	172.9	168.0	172.7	168.3	170.9	28
31	MT 23113	MT 1855///MT 1572/MT1133//CHOTEAU/YELLOWSTONE	177.6	167.0	170.4	168.9	173.5	168.3	171.0	29
17	MT 21174	DAGMAR//MT1142/MT1225	178.5	165.3	171.9	168.9	173.0	168.3	171.0	30
28	MT 23085	DAGMAR/MT 1807	177.9	165.3	171.6	168.6	174.2	168.3	171.0	31
54	ND STAMPEDE	-	178.7	164.7	171.5	168.6	174.5	168.0	171.0	32
58	AP GUNSMOKE CL2	-	177.9	165.0	170.8	168.6	174.2	169.7	171.0	33
26	MT 23052	MT 1866/MT 1673	179.0	165.0	171.5	169.2	173.6	168.7	171.2	34
3	WB GUNNISON	Conan/Agawam	178.0	166.0	172.9	168.1	174.8	168.3	171.4	35

2025 HEADING DATE (175=JUNE 24) SUMMARY FOR THE ADVANCED SPRING WHEAT NURSERY GROWN ACROSS MONTANA(CONT)

ENTRY	VARIETY	PEDIGREE	BOZEMAN (DRY)	HAVRE	MOCCASIN	SIDNEY (DRY)	KALI SPELL	SIDNEY (IRRI)	MEAN	RANK
24	MT 22345	DAGMAR/MN14105-7	178.3	167.0	172.7	168.5	174.2	169.0	171.6	36
41	MT 23265	DAGMAR/MT 1866	178.5	166.3	170.6	169.6	175.7	169.0	171.6	37
61	AP ICONIC	-	178.3	167.0	173.2	169.1	174.3	168.7	171.8	38
56	SY LONGMIRE	-	178.7	166.7	171.7	170.6	174.0	169.3	171.8	39
5	REEDER	IAS#4/H567.71//Stoa/3/ND674	180.1	165.0	172.6	169.6	175.8	168.7	172.0	40
44	MT 23339	MT 1815/MT 1934	178.1	166.3	172.6	170.8	174.6	170.0	172.1	41
13	MT DUTTON	Vida/Elgin-ND	179.9	166.7	172.6	169.5	175.5	170.0	172.4	42
55	PG PREDATOR	-	178.9	166.0	173.9	170.2	175.1	170.7	172.5	43
60	AP DAGR	-	178.3	167.0	173.3	170.8	174.8	170.7	172.5	44
40	MT 23241	DAGMAR/MT 1866	179.5	166.7	172.9	170.5	175.7	170.0	172.6	45
50	MS RANCHERO	-	179.9	164.3	174.8	168.2	179.0	169.3	172.6	46
59	AP ELEVATE	-	179.8	167.0	174.2	170.0	174.9	169.7	172.6	47
12	WB 9879 CLP	Choteau*3//Choteau//IMI8134	179.6	167.0	173.5	171.7	175.1	170.3	172.9	48
7	VIDA	Scholar/Reeder	179.7	167.0	174.1	170.7	175.6	170.7	173.0	49
57	AP SMITH	-	179.8	167.0	175.1	171.0	175.0	170.7	173.1	50
33	MT 23127	MT 1872/MT 1939	180.0	167.0	173.8	171.3	175.6	171.3	173.2	51
51	AAC CONCORD	-	179.9	165.3	174.4	172.2	176.2	172.0	173.3	52
2	ROCKER	-	180.1	167.0	174.7	171.5	176.1	171.7	173.5	53
38	MT 23205	MT 1857/MT 1817	180.3	167.0	174.5	172.0	175.5	172.0	173.6	54
46	MT 23385	MT 1866/VIDA/SxD3 (1052)	180.0	167.0	174.1	171.4	177.1	171.7	173.6	55
1	SY ROCKFORD	-	180.7	167.0	175.0	171.1	176.4	171.3	173.6	56
6	McNEAL	RS6880/Glenman	180.1	166.3	174.7	171.6	176.5	172.3	173.6	57
16	MT 21074	MT 1525/MT 1348	179.6	167.3	174.5	172.4	175.8	172.0	173.6	58
43	MT 23297	DAGMAR/NDHRS16-14-41	180.7	167.0	174.9	171.1	178.3	171.3	173.9	59
4	THATCHER	Marquis/lumillo durum // Marquis/Kanred	180.1	168.7	174.6	173.2	175.3	173.3	174.2	60
42	MT 23294	LANNING/MT 1904	180.7	168.7	175.0	172.7	176.3	172.3	174.3	61
10	NS PRESSER CLP	Vida//8209-1/Vida	181.2	167.0	175.2	171.8	178.7	172.7	174.4	62
63	CP3055	-	183.3	172.0	179.0	175.3	181.5	175.7	177.8	63
64	CP3119A	-	186.3	174.0	180.5	175.7	183.8	176.0	179.4	64
MEAN			178.4	165.6	172.1	169.5	174.1	169.3	171.5	
C.V.			0.3	0.5	0.7	0.4	0.6	0.4	0.5	
PROBABILITY			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
LSD(0.05)			0.9	1.3	1.8	1.1	1.7	1.0	0.9	

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2025 PLANT HEIGHT (INCHES) SUMMARY FOR THE ADVANCED SPRING WHEAT NURSERY GROWN ACROSS MONTANA

ENTRY	VARIETY	PEDIGREE	BOZEMAN (DRY)	FORT BENTON	HAVRE	HINGHAM	MOCCASIN	SIDNEY (DRY)	BOZEMAN (IRRI)	KALI SPELL	SIDNEY (IRRI)	MEAN	RANK
4	THATCHER	Marquis/lumillo durum // Marquis/Kanred	<u>36.7</u>	<u>35.7</u>	<u>34.8</u>	<u>31.7</u>	<u>36.3</u>	<u>41.1</u>	<u>39.2</u>	<u>45.2</u>	<u>41.7</u>	<u>38.0</u>	<u>1</u>
51	AAC CONCORD	-	31.8	33.0	25.7	29.0	34.0	33.4	34.3	43.4	38.6	33.7	2
10	NS PRESSER CLP	Vida//8209-1/Vida	29.8	31.0	27.9	26.3	31.0	32.9	32.1	40.0	37.7	32.1	3
17	MT 21174	DAGMAR//MT1142/MT1225	28.9	33.0	26.5	26.3	30.3	31.3	30.7	41.1	36.4	31.6	4
46	MT 23385	MT 1866//VIDA/SxD3 (1052)	28.8	31.3	29.3	26.3	29.7	31.6	31.4	40.8	35.2	31.6	5
50	MS RANCHERO	-	30.6	28.3	26.3	25.7	31.0	30.3	31.9	43.6	36.2	31.5	6
6	McNEAL	RS6880/Glenman	28.7	30.3	27.1	28.0	31.7	30.8	31.1	39.6	36.1	31.5	7
64	CP3119A	-	28.0	29.7	27.9	27.0	30.0	32.1	31.8	41.3	35.1	31.4	8
49	LCS SENTRY	-	29.0	29.3	28.7	27.3	30.7	31.2	29.4	39.5	36.3	31.3	9
41	MT 23265	DAGMAR/MT 1866	28.9	30.3	26.9	25.7	30.3	30.9	30.4	38.1	37.0	30.9	10
5	REEDER	IAS#4/H567.71//Stoa/3/ND674	28.3	29.7	26.8	26.0	28.3	32.2	30.2	39.8	37.0	30.9	11
18	MT 21484	Dagmar/BC1-52	29.1	30.3	27.8	26.7	29.7	30.3	29.9	37.6	36.4	30.9	12
19	MT 21487	Dagmar/BC1-80	28.9	30.3	28.2	25.3	30.0	31.3	30.2	36.9	34.6	30.6	13
40	MT 23241	DAGMAR/MT 1866	29.4	31.3	27.4	25.3	28.7	31.8	30.5	36.8	34.0	30.6	14
30	MT 23110	DAGMAR/MT 1939	27.9	29.0	26.4	28.0	32.0	30.7	28.4	37.8	34.0	30.5	15
7	VIDA	Scholar/Reeder	27.4	29.7	26.7	26.7	31.7	30.8	29.4	37.3	34.2	30.4	16
11	DAGMAR	MT1133/MT1148	29.2	31.0	25.8	25.0	30.7	30.3	28.7	37.5	35.7	30.4	17
22	MT 22182	DAGMAR/MT 1617	28.0	30.0	27.8	25.7	30.0	28.6	30.0	37.9	35.1	30.3	18
37	MT 23204	MT 1857/MT 1817	27.9	29.7	27.2	26.7	30.0	29.5	29.4	37.8	34.2	30.3	19
54	ND STAMPEDE	-	27.3	27.3	28.5	27.3	30.0	30.7	29.0	38.3	33.8	30.2	20
13	MT DUTTON	Vida/Elgin-ND	28.0	29.3	26.7	24.7	30.0	30.2	29.9	39.4	33.9	30.2	21
29	MT 23098	DAGMAR/MT 1904	28.8	31.3	25.6	25.3	30.3	30.9	29.3	36.0	34.3	30.2	22
45	MT 23275	MT 1872/MT 1824	29.2	29.0	28.4	24.7	30.7	30.3	28.8	36.1	34.4	30.2	23
16	MT 21074	MT 1525/MT 1348	25.9	31.0	28.3	26.7	31.3	30.6	29.0	33.9	33.9	30.1	24
8	DUCLAIR	Choteau//ND695/MT9433	28.1	29.7	25.6	25.7	30.7	31.4	30.0	36.1	33.2	30.1	25
38	MT 23205	MT 1857/MT 1817	27.9	29.7	27.4	26.0	29.0	30.6	28.8	36.3	34.7	30.0	26
43	MT 23297	DAGMAR/NDHRS16-14-41	27.9	29.0	27.0	26.3	29.0	28.9	29.3	38.0	34.6	30.0	27
2	ROCKER	-	27.6	28.3	27.8	25.3	30.0	31.2	30.0	35.5	33.5	29.9	28
44	MT 23339	MT 1815/MT 1934	27.6	28.7	26.5	25.7	29.0	31.3	28.9	36.3	34.7	29.9	29
1	SY ROCKFORD	-	27.8	26.7	28.2	25.7	29.7	31.0	29.5	35.7	34.3	29.8	30
28	MT 23085	DAGMAR/MT 1807	27.3	28.7	25.8	25.0	30.3	30.6	28.6	37.3	34.9	29.8	31
63	CP3055	-	27.5	30.3	27.8	27.0	28.0	30.2	30.6	32.5	34.6	29.8	32
24	MT 22345	DAGMAR/MN14105-7	27.7	29.7	27.5	26.3	28.7	30.5	28.7	35.5	33.6	29.8	33
61	AP ICONIC	-	26.8	27.7	28.3	25.3	29.3	30.7	29.2	36.3	33.7	29.7	34
14	MT CARLSON	Lanning/MT1531	26.4	29.0	27.6	26.0	28.7	30.6	28.7	36.4	32.9	29.6	35

2025 PLANT HEIGHT (INCHES) SUMMARY FOR THE ADVANCED SPRING WHEAT NURSERY GROWN ACROSS MONTANA (CONT.)

ENTRY	VARIETY	PEDIGREE	BOZEMAN (DRY)	FORT BENTON	HAVRE	HINGHAM	MOCCASIN	SIDNEY (DRY)	BOZEMAN (IRRI)	KALI SPELL	SIDNEY (IRRI)	MEAN	RANK
21	MT 22083	DAGMAR/MT 1866	27.9	28.7	25.8	24.7	30.3	29.9	29.9	35.6	33.5	29.6	36
31	MT 23113	MT 1855///MT 1572/MT1133//CHOTEAU/YELLOWSTONE	27.8	29.0	26.8	23.3	29.3	30.8	28.6	36.3	33.7	29.5	37
47	LCS ASCENT	-	28.0	28.0	27.7	24.7	28.3	30.7	28.2	36.0	33.9	29.5	38
12	WB 9879 CLP	Choteau*3//Choteau/IMI8134	27.8	28.7	26.9	24.3	28.3	29.1	28.9	36.5	33.4	29.3	39
32	MT 23116	DAGMAR/MT 1815	27.7	29.0	27.4	25.3	27.3	29.8	28.5	35.6	33.3	29.3	40
58	AP GUNSMOKE CL2	-	27.1	27.7	25.9	24.7	29.0	30.1	28.9	36.3	33.9	29.3	41
9	LANNING	Glenn/MT0747	27.2	28.3	27.5	25.3	29.3	28.6	27.9	36.3	32.8	29.2	42
56	SY LONGMIRE	-	26.5	28.3	26.2	26.3	29.0	30.2	29.2	34.7	32.4	29.2	43
52	MS NOVA	-	27.0	28.0	25.6	25.0	30.0	28.9	28.4	34.9	34.5	29.1	44
15	MT UBET	Lanning/MT 1338	27.4	30.0	24.7	25.7	29.0	29.3	27.8	35.6	32.6	29.1	45
20	MT 22073	LANNING/MT 1806	26.2	27.7	27.6	25.0	29.7	28.9	27.2	36.1	33.2	29.1	46
35	MT 23184	MT 1857/MT 1673	27.5	29.3	25.7	25.0	29.3	29.2	28.0	35.2	31.5	29.0	47
48	LCS BOOM	-	27.0	27.7	26.9	24.0	29.0	28.7	27.6	35.7	33.5	28.9	48
33	MT 23127	MT 1872/MT 1939	26.4	26.7	27.5	23.7	27.7	29.3	29.2	36.1	32.8	28.8	49
23	MT 22205	LANNING/MT0945/MT 1807	27.3	27.3	26.7	25.7	27.7	29.7	27.0	34.7	32.9	28.8	50
36	MT 23084	DAGMAR/MT 1807	26.6	28.3	26.6	24.3	29.0	28.3	27.3	35.1	33.3	28.8	51
26	MT 23052	MT 1866/MT 1673	26.8	28.7	25.4	23.3	29.3	29.4	28.3	35.4	31.6	28.7	52
53	MS CHARGER	-	26.6	27.7	26.6	23.7	28.0	29.4	28.0	36.2	30.8	28.6	53
25	MT 23039	MT 1872/MT 1907	26.3	27.7	26.8	24.7	27.0	28.8	26.5	35.6	33.2	28.5	54
3	WB GUNNISON	Conan/Agawam	26.7	28.3	25.9	25.0	28.0	28.9	28.0	34.3	31.4	28.5	55
42	MT 23294	LANNING/MT 1904	25.7	28.3	26.2	23.7	26.3	29.1	28.3	34.3	34.5	28.5	56
39	MT 23130	LANNING/MT 1934	26.7	28.3	26.4	26.3	29.3	27.9	25.5	32.7	31.5	28.3	57
27	MT 23067	DAGMAR/NDHRS16-14-41	26.1	28.3	26.5	24.7	27.7	27.8	27.4	33.6	31.7	28.2	58
59	AP ELEVATE	-	26.0	27.3	26.1	25.7	27.0	28.5	27.6	34.6	31.0	28.2	59
57	AP SMITH	-	24.7	26.7	27.0	23.7	27.3	28.5	26.3	35.6	30.8	27.8	60
34	MT 23133	LANNING/MT 1934	26.5	27.7	24.8	24.3	27.0	27.9	26.8	33.5	31.8	27.8	61
55	PG PREDATOR	-	25.2	27.3	25.0	24.3	26.7	28.6	26.9	33.5	31.7	27.7	62
60	AP DAGR	-	24.9	28.0	27.0	23.0	26.7	27.5	26.5	33.0	30.3	27.4	63
62	WB 9668	-	24.1	26.0	22.9	23.0	25.3	24.4	22.7	29.8	27.9	25.1	64
MEAN			27.7	29.1	26.9	25.5	29.4	30.1	29.0	36.6	33.9	29.8	
C.V.			3.9	4.4	5.1	4.8	5.2	4.2	3.8	6.8	3.3	3.5	
PROBABILITY			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
LSD(0.05)			1.4	2.1	2.2	2.0	2.4	1.5	1.4	4.1	1.8	1.0	

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2025 END-USE QUALITY OF ADVANCED YIELD TRIAL, BOZEMAN

VARIETY	Wheat Protein (%)	Single Kernel Hardness	Flour Yield (%)	Flour Protein (%)	Flour Ash %	Mixing Tolerance	Mixing Time (min)	Mixing Water Absorption (%)	Bake Mixing Time (min)	Bake Water Absorption (%)	Loaf Volume (cc)
AAC Concord	14.6	55	73.1	13.8	0.46	4	4.0	64.6	11.8	74.3	1190
AP Dagr	13.8	69	70.3	12.7	0.42	3	5.3	66.5	15.8	76.2	1045
AP Elevate	14.8	60	70.5	14.2	0.45	3	3.7	67.0	8.9	77.2	1275
AP Gunsmoke CL2	14.6	64	70.0	13.6	0.42	4	4.5	61.7	10.6	72.4	975
AP Iconic	13.9	70	69.6	13.3	0.48	4	3.5	64.1	11.0	74.3	1200
AP Smith	14.9	65	70.8	14.1	0.44	3	6.8	68.7	19.0	79.4	1125
CP3055	12.7	64	68.8	11.5	0.39	3	4.2	58.6	10.1	69.3	1040
CP3119A	12.3	59	69.0	11.3	0.41	3	2.2	56.5	5.6	66.2	1025
DAGMAR	15.0	63	70.6	13.9	0.40	3	4.0	68.8	9.7	79.0	1215
DUCLAIR	14.5	62	69.2	13.5	0.45	4	4.4	69.0	11.4	79.2	1200
LANNING	15.1	64	69.8	14.0	0.42	2	4.1	71.8	13.0	82.0	1200
LCS ASCENT	14.3	64	71.0	13.0	0.39	4	3.7	64.3	8.2	74.0	1185
LCS BOOM	14.5	67	71.8	13.4	0.41	2	4.3	69.8	12.4	80.0	1140
LCS Sentry	14.3	71	73.2	13.3	0.43	2	3.8	69.5	10.9	79.2	1155
MCNEAL	14.3	86	68.6	13.1	0.41	5	6.4	65.5	17.1	75.2	1140
MS Charger	12.8	75	69.8	11.8	0.43	4	4.1	58.5	12.1	69.2	920
MS Nova	14.1	60	69.6	13.3	0.42	4	4.9	64.8	11.4	75.0	1215
MS Ranchero	13.4	74	68.4	11.8	0.40	4	3.8	59.5	9.1	70.2	995
MT 21074	14.7	70	71.2	13.7	0.49	2	3.1	66.2	6.8	75.9	1200
MT 21174	14.8	70	69.8	13.8	0.45	3	3.6	66.1	7.2	75.8	1220
MT 21484	14.4	62	71.7	13.2	0.40	4	4.0	65.2	8.8	74.9	1120
MT 21487	14.4	64	71.8	13.2	0.42	4	5.1	65.1	12.3	74.8	1185
MT 22073	15.4	61	69.7	14.6	0.44	2	2.6	67.2	5.9	76.9	1240
MT 22083	14.6	59	70.0	13.6	0.44	3	4.5	66.1	11.5	75.8	1150
MT 22182	14.4	61	69.3	13.4	0.42	3	2.0	64.5	3.7	73.2	1175
MT 22205	14.2	65	73.1	13.1	0.42	2	2.7	65.3	5.6	75.0	1075
MT 22345	13.6	60	72.8	12.4	0.40	4	4.0	64.0	11.4	73.7	1075
MT 23039	14.1	60	71.7	13.2	0.39	2	4.2	61.2	19.2	70.9	1090
MT 23052	14.4	62	68.3	13.1	0.43	2	5.8	69.3	16.1	79.0	1205
MT 23067	14.7	67	70.8	13.8	0.38	2	3.5	67.2	8.3	76.9	1170
MT 23084	15.0	60	70.2	13.7	0.42	2	3.4	64.8	6.6	75.0	1135
MT 23085	14.5	68	72.4	13.5	0.43	3	4.0	65.8	9.3	76.0	1160
MT 23098	14.4	75	71.1	13.3	0.42	2	3.1	65.7	5.8	75.9	1120
MT 23110	14.6	57	70.5	14.0	0.40	5	3.9	68.3	12.4	79.0	1130
MT 23113	15.3	62	66.5	13.5	0.47	2	3.7	67.3	8.0	77.0	1175
MT 23116	14.4	51	71.4	13.3	0.40	2	3.2	65.5	8.5	75.2	1110
MT 23127	14.3	59	71.0	13.3	0.41	2	3.3	65.7	8.1	75.9	1125
MT 23130	14.1	69	70.7	13.2	0.43	3	3.4	65.7	8.5	75.9	1110
MT 23133	14.7	70	71.1	13.4	0.48	4	3.1	65.2	7.4	74.9	1115

2025 END-USE QUALITY OF ADVANCED YIELD TRIAL, BOZEMAN

VARIETY	Wheat Protein (%)	Single Kernel Hardness	Flour Yield (%)	Flour Protein (%)	Flour Ash %	Mixing Tolerance	Mixing Time (min)	Mixing Water Absorption (%)	Bake Mixing Time (min)	Bake Water Absorption (%)	Loaf Volume (cc)
MT 23184	14.5	68	68.5	13.2	0.44	2	4.0	65.2	8.0	74.9	1170
MT 23204	14.3	60	71.3	13.5	0.43	4	3.8	65.8	9.8	76.0	1115
MT 23205	14.0	58	72.1	13.0	0.40	5	7.6	65.0	20.6	76.2	1000
MT 23241	13.9	71	70.5	12.8	0.41	4	4.9	64.8	11.4	76.0	1180
MT 23265	14.1	69	72.1	13.0	0.40	1	4.0	64.8	8.3	75.0	1185
MT 23275	14.5	73	71.5	13.4	0.41	3	4.7	67.8	11.1	78.0	1155
MT 23294	14.4	71	70.8	13.5	0.41	3	4.1	65.8	9.9	76.0	1140
MT 23297	14.7	76	69.6	13.4	0.43	2	3.4	63.8	8.1	74.0	1155
MT 23339	14.4	68	71.1	13.2	0.41	3	5.8	68.1	15.5	78.3	1120
MT 23385	13.9	70	72.7	12.9	0.43	1	4.5	65.0	11.4	75.2	1085
MT Carlson	14.1	61	69.1	13.2	0.43	3	3.7	66.3	6.2	76.0	1210
MT Dutton	14.8	73	70.5	13.5	0.45	1	2.6	66.3	5.0	76.0	1275
MT Ubet	13.9	59	72.9	12.7	0.39	2	3.7	64.7	10.3	74.9	1115
ND Stampede	14.5	71	68.7	13.6	0.40	4	4.9	67.0	12.1	79.2	1125
NS PRESSER CLP	14.2	58	72.5	13.1	0.39	1	3.6	67.2	15.1	77.4	1050
PG Predator	14.8	63	70.1	14.2	0.47	4	4.5	71.0	10.9	81.2	1165
REEDER	14.8	62	69.4	13.7	0.43	1	3.7	69.0	7.9	78.2	1210
ROCKER	14.2	89	69.1	13.3	0.43	4	6.5	69.3	17.2	79.0	1195
SY Longmire	14.5	67	70.3	13.4	0.42	3	4.2	68.1	11.2	78.3	1275
SY ROCKFORD	13.9	61	69.9	13.0	0.42	2	3.8	69.2	9.6	78.9	1050
THATCHER	13.7	68	70.3	12.9	0.42	2	4.5	67.1	11.2	77.3	1035
VIDA	13.9	68	72.7	13.0	0.42	1	3.7	67.2	8.4	76.9	1160
WB 9668	15.8	63	69.2	14.9	0.44	2	5.0	70.1	11.0	80.3	1370
WB 9879 CLP	15.1	59	67.9	13.8	0.42	1	1.8	66.3	3.9	75.0	1165
WB GUNNISON	13.6	76	66.9	12.3	0.43	5	7.4	68.5	19.4	78.2	1080
MEAN	14.3	65.7	70.5	13.3	0.42	2.9	4.1	66.0	10.5	76.0	1142

2025 END-USE QUALITY OF ADVANCED YIELD TRIAL, HAVRE

VARIETY	Wheat Protein (%)	Single Kernel Hardness	Flour Yield (%)	Flour Protein (%)	Flour Ash %	Mixing Tolerance	Mixing Time (min)	Mixing Water Absorption (%)	Bake Mixing Time (min)	Bake Water Absorption (%)	Loaf Volume (cc)
AAC Concord	16.2	59	70.8	15.6	0.45	5	9.4	74.6	24.0	84.3	1160
AP Dagr	15.8	67	69.8	14.7	0.44	5	8.2	73.8	26.1	84.0	1090
AP Elevate	16.7	53	69.5	16.0	0.47	4	5.1	77.2	15.4	86.9	1155
AP Gunsmoke CL2	17.5	56	69.5	16.9	0.43	3	6.9	75.3	20.1	85.0	990
AP Iconic	16.5	66	70.0	15.9	0.48	5	5.3	73.3	14.1	83.0	1350
AP Smith	15.9	62	69.8	15.3	0.44	6	9.9	75.5	31.1	86.2	1150
CP3055	15.4	63	67.3	14.2	0.43	3	5.3	69.7	14.3	79.9	1270
CP3119A	14.3	62	68.5	13.0	0.41	4	2.9	64.3	6.9	74.0	1280
DAGMAR	16.6	58	69.7	15.5	0.43	5	4.1	72.5	12.0	82.2	1300
DUCLAIR	16.6	48	68.0	15.7	0.45	4	4.7	73.0	13.1	83.2	1280
LANNING	17.0	66	69.4	16.1	0.44	4	5.5	75.2	15.1	84.9	1360
LCS ASCENT	15.9	61	71.6	14.6	0.43	2	4.8	72.7	14.6	82.9	1315
LCS BOOM	16.7	60	72.7	15.8	0.45	3	5.9	75.7	17.0	85.9	1360
LCS Sentry	15.9	68	74.0	15.3	0.46	3	5.6	76.2	15.2	86.9	1155
MCNEAL	15.6	73	68.5	14.8	0.43	4	8.4	74.5	22.4	84.2	1240
MS Charger	14.6	75	70.1	13.7	0.43	6	4.4	70.3	12.6	81.0	1100
MS Nova	16.1	61	67.7	15.3	0.43	5	9.6	74.3	19.4	84.0	1290
MS Ranchero	15.4	69	68.2	13.8	0.42	4	3.8	67.8	9.6	78.0	1075
MT 21074	16.9	67	68.2	15.9	0.49	2	3.4	72.3	7.8	82.0	1250
MT 21174	16.7	68	69.1	16.0	0.48	2	5.1	76.5	9.1	86.2	1265
MT 21484	16.4	62	70.3	15.2	0.44	4	5.0	71.8	10.6	82.0	1170
MT 21487	16.4	56	69.7	15.2	0.44	5	6.0	74.8	22.2	85.0	1110
MT 22073	17.4	57	67.8	16.6	0.44	2	4.8	78.2	12.4	87.9	1200
MT 22083	16.2	56	69.2	15.2	0.46	3	5.2	72.2	14.6	81.9	1185
MT 22182	16.1	49	67.3	15.5	0.44	2	2.3	70.8	3.9	79.0	1225
MT 22205	16.5	61	72.2	15.5	0.44	2	2.7	69.0	5.7	79.2	1215
MT 22345	15.8	49	71.8	14.8	0.45	4	5.1	71.3	17.7	81.5	1170
MT 23039	16.2	58	69.8	15.4	0.41	2	4.9	70.3	14.4	80.0	1190
MT 23052	15.8	53	68.1	14.9	0.45	5	7.5	73.8	22.8	84.0	1275
MT 23067	16.2	63	69.4	15.6	0.43	4	3.9	69.3	8.5	79.0	1235
MT 23084	16.9	59	69.9	15.9	0.45	2	4.2	74.2	12.2	83.9	1185
MT 23085	16.4	65	70.9	15.9	0.46	4	5.5	74.8	15.0	85.0	1285
MT 23098	16.2	67	70.8	15.1	0.43	3	3.0	70.3	7.4	80.0	1175
MT 23110	16.2	45	69.2	15.5	0.45	4	3.7	71.3	11.2	81.0	1250
MT 23113	16.4	59	66.6	15.3	0.46	2	4.0	71.0	11.9	81.2	1260
MT 23116	16.2	39	70.5	15.3	0.42	2	3.9	71.6	15.1	81.3	1160
MT 23127	15.9	56	67.9	15.2	0.44	1	3.1	70.2	8.6	79.9	1300
MT 23130	15.9	62	70.7	15.0	0.45	2	4.3	74.7	12.6	84.9	1255
MT 23133	16.7	60	69.6	15.5	0.49	4	3.7	70.7	9.3	80.9	1185

2025 END-USE QUALITY OF ADVANCED YIELD TRIAL, HAVRE

VARIETY	Wheat Protein (%)	Single Kernel Hardness	Flour Yield (%)	Flour Protein (%)	Flour Ash %	Mixing Tolerance	Mixing Time (min)	Mixing Water Absorption (%)	Bake Mixing Time (min)	Bake Water Absorption (%)	Loaf Volume (cc)
MT 23184	16.1	65	67.9	14.9	0.46	2	5.1	72.3	13.8	82.0	1285
MT 23204	16.3	56	70.1	15.4	0.45	3	5.4	73.7	15.5	83.9	1290
MT 23205	16.0	50	71.1	15.3	0.42	5	12.5	76.8	35.8	87.0	1200
MT 23241	15.5	64	70.7	14.9	0.43	4	7.4	74.7	23.2	84.9	1260
MT 23265	16.0	65	71.5	15.0	0.43	1	4.0	71.2	9.8	80.9	1305
MT 23275	16.4	74	70.3	15.5	0.45	2	5.8	75.8	19.1	86.0	1360
MT 23294	16.2	67	69.6	15.5	0.43	2	3.9	68.2	11.2	77.9	1375
MT 23297	16.1	64	69.9	15.0	0.44	3	4.4	71.8	15.0	82.0	1240
MT 23339	16.4	65	72.1	15.1	0.45	3	8.3	75.2	23.1	84.9	1330
MT 23385	15.6	69	72.0	14.8	0.46	1	5.3	72.3	18.2	82.0	1355
MT Carlson	16.1	46	67.3	15.8	0.46	3	3.1	70.8	8.5	81.0	1275
MT Dutton	16.7	68	70.6	15.6	0.47	2	2.7	72.0	7.1	81.2	1410
MT Ubet	16.4	56	71.7	15.5	0.43	2	4.2	71.8	12.3	82.0	1265
ND Stampede	16.9	67	68.7	16.0	0.44	6	7.8	80.7	19.9	90.9	1160
NS PRESSER CLP	15.5	53	71.8	14.6	0.41	1	4.3	68.8	13.6	78.0	1160
PG Predator	16.7	56	70.1	16.1	0.45	5	6.3	77.2	17.0	86.9	1210
REEDER	16.1	63	68.1	15.2	0.46	2	4.2	72.3	9.9	81.0	1255
ROCKER	15.7	86	68.9	14.6	0.44	5	7.1	74.0	20.6	84.2	1300
SY Longmire	16.4	60	70.4	15.8	0.42	6	7.2	78.2	17.6	87.9	1175
SY ROCKFORD	16.0	58	70.1	15.0	0.44	2	4.2	72.7	12.6	82.9	1065
THATCHER	16.0	66	68.3	15.1	0.45	4	5.1	72.5	15.9	83.2	1160
VIDA	15.5	67	71.9	14.6	0.44	1	3.3	71.3	10.1	80.0	1325
WB 9668	18.5	57	68.4	17.6	0.47	1	5.1	77.6	14.7	87.8	1360
WB 9879 CLP	17.0	52	66.6	15.8	0.44	1	1.9	70.5	3.7	75.2	1140
WB GUNNISON	15.4	71	67.1	14.1	0.46	5	7.5	72.3	25.9	84.0	1105
MEAN	16.2	61.0	69.7	15.3	0.44	3.3	5.3	73.0	14.8	82.8	1232

2025 END-USE QUALITY OF ADVANCED YIELD TRIAL, SIDNEY

VARIETY	Wheat Protein (%)	Single Kernel Hardness	Flour Yield (%)	Flour Protein (%)	Flour Ash %	Mixing Tolerance	Mixing Time (min)	Mixing Water Absorption (%)	Bake Mixing Time (min)	Bake Water Absorption (%)	Loaf Volume (cc)
AAC Concord	13.8	66	71.6	13.1	0.47	6	4.2	65.6	15.0	75.3	1070
AP Dagr	13.3	82	67.9	12.0	0.44	5	6.0	63.8	18.8	74.0	1075
AP Elevate	13.3	71	66.6	12.2	0.47	5	4.1	63.8	11.6	74.0	1040
AP Gunsmoke CL2	13.9	66	68.1	12.5	0.44	5	3.5	60.3	12.1	71.0	1080
AP Iconic	13.6	80	67.9	12.8	0.49	5	4.1	63.0	13.3	73.2	1095
AP Smith	13.7	72	67.9	12.8	0.46	5	6.0	64.8	20.7	77.0	1065
CP3055	12.0	73	67.6	10.9	0.43	5	3.5	57.8	8.8	68.0	995
CP3119A	11.9	68	68.8	11.1	0.45	4	2.7	57.8	6.9	68.0	950
DAGMAR	14.0	72	70.3	12.5	0.43	4	4.0	62.2	12.0	71.9	1080
DUCLAIR	13.6	70	68.8	12.5	0.45	4	3.8	62.2	11.4	71.9	1175
LANNING	13.3	75	69.2	12.4	0.45	3	2.7	64.0	11.2	73.7	1125
LCS ASCENT	13.3	73	70.8	12.2	0.44	4	3.0	61.8	9.0	72.0	1015
LCS BOOM	13.5	69	69.6	12.4	0.44	4	3.8	62.3	11.3	72.0	1080
LCS Sentry	12.9	85	72.8	12.1	0.45	4	3.0	61.3	8.4	71.0	1020
MCNEAL	13.7	87	68.0	12.5	0.46	5	6.0	64.7	18.4	74.9	1200
MS Charger	11.9	86	67.7	10.9	0.44	5	3.5	59.3	13.4	69.0	940
MS Nova	13.3	73	67.0	12.3	0.43	5	4.1	62.6	12.6	73.8	1190
MS Ranchero	12.9	75	68.2	11.6	0.44	5	3.3	59.6	9.9	69.3	975
MT 21074	13.1	79	70.4	12.1	0.50	2	2.9	62.1	8.3	71.8	1065
MT 21174	14.4	74	69.8	13.3	0.47	3	3.3	65.3	9.5	75.0	1215
MT 21484	14.2	79	69.3	13.3	0.47	3	3.2	65.3	9.0	75.0	1270
MT 21487	13.7	69	71.1	12.6	0.43	4	3.1	60.7	10.9	71.9	1070
MT 22073	13.1	76	70.1	12.1	0.45	4	4.1	63.2	15.4	73.9	1035
MT 22083	14.0	68	68.0	12.7	0.41	3	3.7	67.2	11.1	76.9	1220
MT 22182	14.0	67	68.4	12.7	0.44	3	4.3	67.2	14.4	76.9	1215
MT 22205	13.4	64	68.4	12.3	0.43	3	2.6	65.7	6.8	74.9	1150
MT 22345	12.9	64	71.3	11.5	0.39	4	4.7	64.5	15.6	74.2	1025
MT 23039	13.6	70	69.6	12.6	0.43	3	4.7	65.7	18.5	75.9	1000
MT 23052	13.6	70	66.9	12.1	0.45	4	5.3	65.7	17.0	76.9	1080
MT 23067	13.5	74	68.5	12.5	0.41	4	3.1	62.2	8.7	71.9	1040
MT 23084	13.2	71	70.4	11.9	0.46	4	3.2	61.3	8.5	71.0	1040
MT 23085	13.2	78	71.7	12.3	0.44	4	3.2	64.1	10.7	73.8	1110
MT 23098	13.6	84	69.0	12.3	0.43	3	2.0	59.8	6.3	70.0	1010
MT 23110	13.2	62	68.2	11.9	0.44	5	3.4	59.7	20.6	70.9	950
MT 23113	13.4	68	67.6	12.0	0.45	4	3.6	61.5	10.6	71.2	1110
MT 23116	13.4	58	70.6	12.3	0.42	2	2.5	61.7	8.9	71.9	1090
MT 23127	12.4	71	67.4	11.2	0.42	3	3.1	60.3	8.6	71.0	1020
MT 23130	12.9	77	70.6	11.9	0.45	3	3.2	62.8	9.5	73.0	1025
MT 23133	13.4	73	68.6	12.1	0.46	4	3.2	61.8	12.1	73.0	965

2025 END-USE QUALITY OF ADVANCED YIELD TRIAL, SIDNEY

VARIETY	Wheat Protein (%)	Single Kernel Hardness	Flour Yield (%)	Flour Protein (%)	Flour Ash %	Mixing Tolerance	Mixing Time (min)	Mixing Water Absorption (%)	Bake Mixing Time (min)	Bake Water Absorption (%)	Loaf Volume (cc)
MT 23184	13.2	75	68.4	12.0	0.44	4	4.7	61.7	11.1	71.9	1110
MT 23204	13.3	68	70.4	12.4	0.47	4	4.3	62.3	17.0	73.0	1000
MT 23205	13.2	69	71.4	12.1	0.44	4	6.4	66.3	19.6	76.0	1005
MT 23241	13.2	81	70.5	12.4	0.44	4	4.6	64.5	14.4	74.2	1160
MT 23265	12.9	72	71.5	12.0	0.46	2	3.6	63.2	7.8	72.9	1080
MT 23275	12.7	82	69.8	11.8	0.45	4	3.4	61.5	10.8	71.2	1040
MT 23294	13.3	79	70.2	12.6	0.44	4	3.0	62.5	8.4	72.2	1125
MT 23297	13.9	76	69.5	12.9	0.45	2	3.9	65.1	12.6	74.3	1135
MT 23339	12.2	81	71.2	11.2	0.46	3	4.8	60.0	13.7	70.2	1060
MT 23385	12.8	77	70.8	11.9	0.47	3	3.7	61.3	10.4	71.0	990
MT Carlson	12.7	65	66.8	11.2	0.43	3	3.6	62.3	11.7	72.0	1045
MT Dutton	13.2	79	70.0	11.9	0.47	3	2.7	63.2	6.9	72.9	1085
MT Ubet	13.4	66	70.3	12.2	0.40	3	4.2	63.8	12.4	74.0	1065
ND Stampede	14.4	73	66.2	13.3	0.42	5	4.6	69.8	12.4	80.0	1155
NS PRESSER CLP	13.3	73	72.3	12.3	0.43	2	2.6	59.6	7.3	69.8	1115
PG Predator	14.1	71	68.3	13.3	0.48	6	3.5	65.7	10.5	75.9	1195
REEDER	13.6	72	67.2	12.7	0.44	2	2.6	62.1	6.8	71.8	1145
ROCKER	13.3	95	69.8	12.3	0.46	4	5.1	64.2	14.5	73.9	1100
SY Longmire	13.5	77	69.3	12.8	0.44	6	4.2	62.8	11.4	73.0	1260
SY ROCKFORD	12.7	70	67.7	11.4	0.45	4	3.3	61.1	9.7	70.8	1035
THATCHER	14.1	71	66.6	12.7	0.46	4	3.6	62.5	10.9	72.7	1200
VIDA	12.4	73	71.8	11.4	0.46	2	2.4	60.6	6.4	70.8	1055
WB 9668	14.9	64	67.9	13.7	0.46	5	5.0	66.1	13.3	76.3	1245
WB 9879 CLP	13.9	64	67.2	12.5	0.43	3	1.9	61.8	5.1	72.0	1100
WB GUNNISON	13.0	80	68.1	11.6	0.47	5	5.9	60.8	18.3	71.0	1055
MEAN	13.3	73.3	69.2	12.2	0.45	3.8	3.8	62.8	11.7	72.9	1085

2025 OVERALL AVERAGE OF END-USE QUALITY OF ADVANCED YIELD TRIAL (BOZEMAN, HAVRE, SIDNEY)

VARIETY	Wheat Protein (%)	Single Kernel Hardness	Flour Yield (%)	Flour Protein (%)	Flour Ash %	Mixing Tolerance	Mixing Time (min)	Mixing Water Absorption (%)	Bake Mixing Time (min)	Bake Water Absorption (%)	Loaf Volume (cc)
AAC Concord	14.9	60	71.8	14.2	0.46	5	5.9	68.3	16.9	78.0	1140
AP Dagr	14.3	73	69.3	13.1	0.43	4	6.5	68.0	20.2	78.1	1070
AP Elevate	14.9	61	68.9	14.1	0.46	4	4.3	69.3	12.0	79.4	1157
AP Gunsmoke CL2	15.3	62	69.2	14.3	0.43	4	5.0	65.8	14.3	76.1	1015
AP Iconic	14.7	72	69.2	14.0	0.48	5	4.3	66.8	12.8	76.8	1215
AP Smith	14.8	66	69.5	14.1	0.45	5	7.6	69.7	23.6	80.9	1113
CP3055	16.4	66	67.9	12.2	0.42	4	4.3	62.0	11.1	72.4	1102
CP3119A	12.8	63	68.8	11.8	0.42	4	2.6	59.5	6.5	69.4	1085
DAGMAR	15.2	64	70.2	14.0	0.42	4	4.0	67.8	11.2	77.7	1198
DUCLAIR	14.9	60	68.7	13.9	0.45	4	4.3	68.1	12.0	78.1	1218
LANNING	15.1	68	69.5	14.2	0.44	3	4.1	70.3	13.1	80.2	1228
LCS ASCENT	14.5	66	71.1	13.3	0.42	3	3.8	66.3	10.6	76.3	1172
LCS BOOM	14.9	66	71.4	13.9	0.43	3	4.7	69.3	13.6	79.3	1193
LCS Sentry	14.4	75	73.3	13.6	0.45	3	4.1	69.0	11.5	79.0	1110
MCNEAL	14.5	82	68.4	13.5	0.43	5	6.9	68.2	19.3	78.1	1193
MS Charger	13.1	79	69.2	12.1	0.43	5	4.0	62.7	12.7	73.1	987
MS Nova	14.5	65	68.1	13.6	0.43	5	6.2	67.2	14.5	77.6	1232
MS Ranchero	13.9	73	68.3	12.4	0.42	4	3.6	62.3	9.5	72.5	1015
MT 21074	14.9	72	69.9	13.9	0.49	2	3.1	66.9	7.6	76.6	1172
MT 21174	15.3	71	69.6	14.4	0.47	3	4.0	69.3	8.6	79.0	1233
MT 21484	15.0	68	70.4	13.9	0.44	4	4.1	67.4	9.5	77.3	1187
MT 21487	14.8	63	70.9	13.7	0.43	4	4.7	66.9	15.1	77.2	1122
MT 22073	15.3	64	69.2	14.4	0.44	3	3.8	69.5	11.2	79.6	1158
MT 22083	14.9	61	69.1	13.8	0.44	3	4.5	68.5	12.4	78.2	1185
MT 22182	14.8	59	68.3	13.9	0.43	3	2.9	67.5	7.3	76.4	1205
MT 22205	14.7	63	71.2	13.6	0.43	2	2.7	66.7	6.0	76.4	1147
MT 22345	14.1	58	72.0	12.9	0.41	4	4.6	66.6	14.9	76.5	1090
MT 23039	14.6	63	70.4	13.7	0.41	2	4.6	65.7	17.4	75.6	1093
MT 23052	14.6	62	67.8	13.4	0.44	4	6.2	69.6	18.6	80.0	1187
MT 23067	14.8	68	69.6	14.0	0.41	3	3.5	66.2	8.5	75.9	1148
MT 23084	15.0	64	70.2	13.8	0.44	3	3.6	66.8	9.1	76.6	1120
MT 23085	14.7	70	71.7	13.9	0.44	4	4.2	68.2	11.7	78.3	1185
MT 23098	14.7	75	70.3	13.6	0.43	3	2.7	65.3	6.5	75.3	1102
MT 23110	14.7	55	69.3	13.8	0.43	5	3.7	66.4	14.7	77.0	1110
MT 23113	15.0	63	66.9	13.6	0.46	3	3.8	66.6	10.2	76.5	1182
MT 23116	14.7	49	70.8	13.6	0.41	2	3.2	66.3	10.8	76.1	1120
MT 23127	14.2	62	68.8	13.2	0.42	2	3.2	65.4	8.4	75.6	1148
MT 23130	14.3	69	70.7	13.4	0.44	3	3.6	67.7	10.2	77.9	1130
MT 23133	14.9	68	69.8	13.7	0.48	4	3.3	65.9	9.6	76.3	1088

2025 OVERALL AVERAGE OF END-USE QUALITY OF ADVANCED YIELD TRIAL (BOZEMAN, HAVRE, SIDNEY)

VARIETY	Wheat Protein (%)	Single Kernel Hardness	Flour Yield (%)	Flour Protein (%)	Flour Ash %	Mixing Tolerance	Mixing Time (min)	Mixing Water Absorption (%)	Bake Mixing Time (min)	Bake Water Absorption (%)	Loaf Volume (cc)
MT 23184	14.6	69	68.3	13.4	0.45	3	4.6	66.4	11.0	76.3	1188
MT 23204	14.6	62	70.6	13.8	0.45	4	4.5	67.3	14.1	77.6	1135
MT 23205	14.4	59	71.5	13.5	0.42	5	8.8	69.4	25.3	79.7	1068
MT 23241	14.2	72	70.6	13.4	0.43	4	5.6	68.0	16.3	78.4	1200
MT 23265	14.3	69	71.7	13.3	0.43	1	3.9	66.4	8.6	76.3	1190
MT 23275	14.5	76	70.5	13.6	0.44	3	4.6	68.4	13.7	78.4	1185
MT 23294	14.6	72	70.2	13.9	0.43	3	3.7	65.5	9.8	75.4	1213
MT 23297	14.9	72	69.7	13.8	0.44	2	3.9	66.9	11.9	76.8	1177
MT 23339	14.3	71	71.5	13.2	0.44	3	6.3	67.8	17.4	77.8	1170
MT 23385	14.1	72	71.8	13.2	0.45	2	4.5	66.2	13.3	76.1	1143
MT Carlson	14.3	58	67.7	13.4	0.44	3	3.5	66.5	8.8	76.3	1177
MT Dutton	14.9	73	70.4	13.7	0.46	2	2.7	67.2	6.3	76.7	1257
MT Ubet	14.6	60	71.6	13.5	0.41	2	4.0	66.8	11.7	77.0	1148
ND Stampede	15.3	70	67.9	14.3	0.42	5	5.8	72.5	14.8	83.4	1147
NS PRESSER CLP	14.3	62	72.2	13.3	0.41	1	3.5	65.2	12.0	75.1	1108
PG Predator	15.2	63	69.5	14.5	0.47	5	4.8	71.3	12.8	81.3	1190
REEDER	14.8	66	68.2	13.9	0.44	2	3.5	67.8	8.2	77.0	1203
ROCKER	14.4	90	69.3	13.4	0.44	4	6.2	69.2	17.4	79.0	1198
SY Longmire	14.8	68	70.0	14.0	0.43	5	5.2	69.7	13.4	79.7	1237
SY ROCKFORD	14.2	63	69.2	13.1	0.44	3	3.8	67.7	10.6	77.5	1050
THATCHER	14.6	69	68.4	13.6	0.44	3	4.4	67.4	12.7	77.7	1132
VIDA	13.9	70	72.1	13.0	0.44	1	3.1	66.4	8.3	75.9	1180
WB 9668	16.4	61	68.5	15.4	0.46	3	5.0	71.3	13.0	81.5	1325
WB 9879 CLP	15.3	58	67.2	14.0	0.43	2	1.9	66.2	4.2	74.1	1135
WB GUNNISON	14.0	76	67.4	12.7	0.45	5	6.9	67.2	21.2	77.7	1080
MEAN	14.7	66.7	69.8	13.6	0.44	3.3	4.4	67.3	12.4	77.2	1153

2025 ADVANCED SPRING WHEAT NURSERY, BOZEMAN (DRY)

ENTRY	VARIETY	PEDIGREE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	PROTEIN (%)	HEADING DATE (JULIAN)	PLANT HEIGHT (IN.)	STEM SOLIDNESS (5-25) ¹	GLD ² (days)
46	MT 23385	MT 1866//VIDA/SxD3 (1052)	<u>84.3</u>	58.6	13.9	180.0	28.8	18.3	29.1
40	MT 23241	DAGMAR/MT 1866	<u>84.3</u>	58.0	13.9	179.5	29.4	17.0	28.4
15	MT UBET	Lanning/MT 1338	83.0	58.3	13.9	178.9	27.4	16.7	28.1
24	MT 22345	DAGMAR/MN14105-7	81.2	58.1	13.6	178.3	27.7	19.7	30.4
50	MS RANCHERO	-	81.0	59.2	13.4	179.9	30.6	9.7	<u>31.9</u>
41	MT 23265	DAGMAR/MT 1866	80.0	58.3	14.1	178.5	28.9	20.0	27.6
45	MT 23275	MT 1872/MT 1824	79.9	59.5	14.5	177.8	29.2	22.3	31.3
35	MT 23184	MT 1857/MT 1673	79.8	59.2	14.5	177.6	27.5	19.3	30.6
10	NS PRESSER CLP	Vida//8209-1/Vida	79.5	57.6	14.2	181.2	29.8	11.7	29.3
44	MT 23339	MT 1815/MT 1934	79.3	58.9	14.4	178.1	27.6	22.0	30.4
29	MT 23098	DAGMAR/MT 1904	79.3	58.3	14.4	177.7	28.8	22.7	30.1
63	CP3055	-	78.8	55.5	12.7	183.3	27.5	16.7	30.3
23	MT 22205	LANNING/MT0945/MT 1807	78.6	59.3	14.2	175.8	27.3	12.3	30.6
7	VIDA	Scholar/Reeder	78.6	58.1	13.9	179.7	27.4	17.7	28.9
19	MT 21487	Dagmar/BC1-80	77.7	58.7	14.4	178.1	28.9	17.7	28.9
25	MT 23039	MT 1872/MT 1907	77.6	57.9	14.1	177.1	26.3	21.7	31.2
18	MT 21484	Dagmar/BC1-52	76.8	58.9	14.4	177.4	29.1	21.0	28.1
64	CP3119A	-	76.7	55.6	12.3	186.3	28.0	17.0	29.2
33	MT 23127	MT 1872/MT 1939	76.7	57.5	14.3	180.0	26.4	19.3	28.3
28	MT 23085	DAGMAR/MT 1807	76.6	58.3	14.5	177.9	27.3	19.3	28.9
1	SY ROCKFORD	-	76.6	57.4	13.9	180.7	27.8	9.3	28.1
26	MT 23052	MT 1866/MT 1673	76.5	58.5	14.4	179.0	26.8	20.0	29.2
36	MT 23084	DAGMAR/MT 1807	76.4	58.9	15.0	177.0	26.6	20.0	30.5
13	MT DUTTON	Vida/Elgin-ND	75.7	57.6	14.8	179.9	28.0	14.7	28.7
42	MT 23294	LANNING/MT 1904	75.2	59.9	14.4	180.7	25.7	22.3	27.2
5	REEDER	IAS#4/H567.71//Stoa/3/ND674	75.2	59.5	14.8	180.1	28.3	10.3	29.2
9	LANNING	Glenn/MT0747	75.2	59.5	15.1	178.2	27.2	10.3	29.1
37	MT 23204	MT 1857/MT 1817	75.2	58.7	14.3	178.8	27.9	13.3	27.3
11	DAGMAR	MT1133/MT1148	75.0	59.0	15.0	176.9	29.2	19.3	28.5
60	AP DAGR	-	74.3	57.8	13.8	178.3	24.9	10.0	27.1
53	MS CHARGER	-	73.8	58.6	12.8	177.2	26.6	11.7	30.7
17	MT 21174	DAGMAR//MT1142/MT1225	73.7	58.9	14.8	178.5	28.9	19.0	28.9
39	MT 23130	LANNING/MT 1934	73.4	59.6	14.1	176.1	26.7	15.0	28.1
38	MT 23205	MT 1857/MT 1817	73.4	58.6	14.0	180.3	27.9	20.0	28.7
30	MT 23110	DAGMAR/MT 1939	73.1	59.5	14.6	175.0	27.9	19.0	28.7
43	MT 23297	DAGMAR/NDHRS16-14-41	73.0	57.6	14.7	180.7	27.9	19.3	27.7
52	MS NOVA	-	72.8	60.2	14.1	177.0	27.0	9.3	29.7
14	MT CARLSON	Lanning/MT1531	72.7	58.1	14.1	178.6	26.4	22.0	27.8
27	MT 23067	DAGMAR/NDHRS16-14-41	72.6	59.1	14.7	176.9	26.1	15.3	31.4
20	MT 22073	LANNING/MT 1806	72.3	57.4	15.4	177.7	26.2	16.3	27.7
56	SY LONGMIRE	-	72.0	59.3	14.5	178.7	26.5	22.7	28.0

2025 ADVANCED SPRING WHEAT NURSERY, BOZEMAN (DRY) (CONT.)

ENTRY	VARIETY	PEDIGREE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	PROTEIN (%)	HEADING DATE (JULIAN)	PLANT HEIGHT (IN.)	STEM SOLIDNESS (5-25) ¹	GLD ² (days)
34	MT 23133	LANNING/MT 1934	71.6	59.6	14.7	175.4	26.5	10.3	30.5
6	McNEAL	RS6880/Glenman	71.4	59.4	14.3	180.1	28.7	9.7	28.1
16	MT 21074	MT 1525/MT 1348	71.4	59.6	14.7	179.6	25.9	21.3	29.6
32	MT 23116	DAGMAR/MT 1815	70.9	57.0	14.4	177.3	27.7	22.3	30.3
21	MT 22083	DAGMAR/MT 1866	70.5	60.5	14.6	175.1	27.9	20.3	29.8
61	AP ICONIC	-	70.2	58.9	13.9	178.3	26.8	10.0	26.9
54	ND STAMPEDE	-	70.2	57.4	14.5	178.7	27.3	9.0	27.3
2	ROCKER	-	69.9	60.9	14.2	180.1	27.6	13.3	26.9
31	MT 23113	MT 1855///MT 1572/MT1133//CHOTEAU/YELLOWSTONE	69.6	58.8	15.3	177.6	27.8	23.0	30.1
57	AP SMITH	-	69.6	59.2	14.9	179.8	24.7	10.0	27.5
49	LCS SENTRY	-	69.4	60.0	14.3	177.5	29.0	14.3	29.6
59	AP ELEVATE	-	68.1	58.7	14.8	179.8	26.0	10.0	27.4
22	MT 22182	DAGMAR/MT 1617	68.0	57.9	14.4	175.4	28.0	19.7	27.1
12	WB 9879 CLP	Choteau*3//Choteau/IMI8134	66.9	56.6	15.1	179.6	27.8	24.0	27.5
47	LCS ASCENT	-	66.8	59.7	14.3	176.1	28.0	9.3	31.2
8	DUCLAIR	Choteau//ND695/MT9433	65.3	58.6	14.5	176.5	28.1	22.7	26.9
3	WB GUNNISON	Conan/Agawam	64.8	60.5	13.6	178.0	26.7	11.7	27.8
51	AAC CONCORD	-	64.2	58.7	14.6	179.9	31.8	21.3	27.7
48	LCS BOOM	-	63.4	60.6	14.5	175.4	27.0	10.0	30.7
4	THATCHER	Marquis/lumillo durum // Marquis/Kanred	62.9	58.1	13.7	180.1	36.7	9.0	27.9
55	PG PREDATOR	-	61.8	58.2	14.8	178.9	25.2	10.0	26.0
58	AP GUNSMOKE CL2	-	61.3	59.3	14.6	177.9	27.1	9.7	25.2
62	WB 9668	-	60.5	58.7	15.8	174.7	24.1	13.7	29.2
MEAN			73.4	58.7	14.3	178.4	27.7	16.2	28.3
C.V.			9.0	1 rep	1 rep	0.3	3.9	13.4	5.3
PROBABILITY			<0.001	1 rep	1 rep	<0.001	<0.001	<0.001	<0.001
LSD(0.05)			6.5	1 rep	1 rep	0.9	1.4	3.4	1.9
LATTICE RE(%) ³			272.3	1 rep	1 rep	112.5	169.2	101.1	160.6

1) 5=hollow stem and 25=solid stem, 2) GLD=green leaf duration (stay-green)

3) Adjusted means provided for Lattice RE% values equal to or greater than 105%

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2025 ADVANCED SPRING WHEAT NURSERY, CONRAD (DRY), (Collaborator : Nutrien)

ENTRY	VARIETY	PEDIGREE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	PROTEIN (%)	SAWFLY CUT (%)
64	CP3119A	-	41.2	58.0	12.6	10.5
63	CP3055	-	35.1	59.2	13.6	6.3
40	MT 23241	DAGMAR/MT 1866	33.5	60.7	15.4	35.9
46	MT 23385	MT 1866//VIDA/SxD3 (1052)	32.6	61.0	14.4	26.5
29	MT 23098	DAGMAR/MT 1904	32.1	60.9	15.4	13.8
2	ROCKER	-	31.7	62.6	15.1	12.7
41	MT 23265	DAGMAR/MT 1866	31.6	60.7	15.4	12.8
7	VIDA	Scholar/Reeder	31.2	61.4	15.2	24.6
44	MT 23339	MT 1815/MT 1934	31.2	62.4	15.4	27.8
14	MT CARLSON	Lanning/MT1531	31.1	60.3	15.1	33.0
11	DAGMAR	MT1133/MT1148	31.0	61.1	15.8	20.2
24	MT 22345	DAGMAR/MN14105-7	31.0	60.8	14.8	52.5
17	MT 21174	DAGMAR//MT1142/MT1225	30.9	61.3	15.8	19.3
32	MT 23116	DAGMAR/MT 1815	30.7	60.0	15.5	16.3
38	MT 23205	MT 1857/MT 1817	30.7	61.0	15.5	14.2
16	MT 21074	MT 1525/MT 1348	30.6	60.5	16.0	11.9
18	MT 21484	Dagmar/BC1-52	30.2	61.5	16.1	36.2
31	MT 23113	MT 1855//MT 1572/MT1133//CHOTEAU/YELLOWSTONE	30.0	61.0	15.3	14.2
13	MT DUTTON	Vida/Elgin-ND	29.8	60.5	16.2	30.1
27	MT 23067	DAGMAR/NDHRS16-14-41	29.8	60.9	15.6	28.0
19	MT 21487	Dagmar/BC1-80	29.8	61.1	16.0	25.5
45	MT 23275	MT 1872/MT 1824	29.6	61.7	15.0	18.4
22	MT 22182	DAGMAR/MT 1617	29.5	58.8	15.4	31.2
25	MT 23039	MT 1872/MT 1907	29.3	59.7	15.5	34.1
42	MT 23294	LANNING/MT 1904	29.2	61.7	15.6	9.7
28	MT 23085	DAGMAR/MT 1807	28.5	60.2	15.9	31.1
26	MT 23052	MT 1866/MT 1673	28.3	61.9	15.4	24.6
30	MT 23110	DAGMAR/MT 1939	28.0	60.6	15.1	59.3
8	DUCLAIR	Choteau//ND695/MT9433	27.8	59.7	15.6	19.2
10	NS PRESSER CLP	Vida//8209-1/Vida	27.8	60.9	15.1	55.2
51	AAC CONCORD	-	27.7	59.4	14.8	15.1
43	MT 23297	DAGMAR/NDHRS16-14-41	27.3	61.2	15.0	36.9
35	MT 23184	MT 1857/MT 1673	26.7	59.5	15.9	46.3
3	WB GUNNISON	Conan/Agawam	26.4	61.2	14.1	19.7
5	REEDER	IAS#4/H567.71//Stoa/3/ND674	26.0	61.5	15.6	52.0
21	MT 22083	DAGMAR/MT 1866	25.4	61.5	16.5	18.2
56	SY LONGMIRE	-	25.2	62.6	16.0	38.1
33	MT 23127	MT 1872/MT 1939	25.1	60.5	15.5	30.6
12	WB 9879 CLP	Choteau*3//Choteau/IMI8134	25.0	60.2	15.8	10.0
36	MT 23084	DAGMAR/MT 1807	24.7	61.4	16.7	14.2
23	MT 22205	LANNING/MT0945/MT 1807	24.1	60.6	16.9	39.8
39	MT 23130	LANNING/MT 1934	23.4	60.0	16.4	62.3

2025 ADVANCED SPRING WHEAT NURSERY, CONRAD (DRY), (Collaborator : Nutrien) (CONT.)

ENTRY	VARIETY	PEDIGREE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	PROTEIN (%)	PLANT HEIGHT (IN.)
60	AP DAGR	-	23.2	61.3	14.4	61.5
49	LCS SENTRY	-	23.1	63.2	15.0	57.6
15	MT UBET	Lanning/MT 1338	23.1	60.6	16.8	68.1
58	AP GUNSMOKE CL2	-	23.1	61.6	15.8	74.2
4	THATCHER	Marquis/lumillo durum // Marquis/Kanred	22.9	60.2	13.6	61.1
34	MT 23133	LANNING/MT 1934	22.7	61.1	16.7	65.7
52	MS NOVA	-	21.7	61.1	15.8	52.8
61	AP ICONIC	-	21.3	62.4	15.1	55.3
57	AP SMITH	-	21.3	62.0	15.0	49.9
50	MS RANCHERO	-	21.3	60.3	14.7	72.5
37	MT 23204	MT 1857/MT 1817	21.3	60.3	15.7	69.7
6	McNEAL	RS6880/Glenman	21.2	61.4	15.9	52.7
47	LCS ASCENT	-	21.0	62.3	14.8	59.8
20	MT 22073	LANNING/MT 1806	20.3	59.2	17.2	62.8
62	WB 9668	-	19.4	60.4	17.9	32.9
55	PG PREDATOR	-	18.9	60.6	15.8	81.5
54	ND STAMPEDE	-	18.4	59.7	14.8	72.0
53	MS CHARGER	-	17.9	61.3	13.3	55.2
1	SY ROCKFORD	-	17.8	59.8	15.4	66.4
9	LANNING	Glenn/MT0747	16.8	60.8	15.3	74.7
48	LCS BOOM	-	15.8	62.3	15.7	64.6
59	AP ELEVATE	-	15.1	60.7	15.5	75.6
MEAN			26.2	60.8	15.4	39.5
C.V.			13.3	1 rep	3.6	28.6
PROBABILITY			<0.001	1 rep	<0.001	<0.001
LSD(0.05)			4.8	1 rep	0.9	17.6
LATTICE RE(%) ¹⁾			139.0	-	97.6	108.4

1) Adjusted means provided for Lattice RE% values equal to or greater than 105%

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2025 ADVANCED SPRING WHEAT NURSERY, FORT BENTON (DRY), (Collaborator : Nutrien)

ENTRY	VARIETY	PEDIGREE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	PROTEIN (%)	PLANT HEIGHT (IN.)	SAWFLY CUT (%)
38	MT 23205	MT 1857/MT 1817	<u>69.2</u>	60.2	14.8	29.7	40.0
29	MT 23098	DAGMAR/MT 1904	66.9	60.5	15.5	31.3	56.7
46	MT 23385	MT 1866//VIDA/SxD3 (1052)	65.6	59.8	14.8	31.3	53.3
63	CP3055	-	65.5	57.7	14.1	30.3	25.0
3	WB GUNNISON	Conan/Agawam	63.9	60.8	14.1	28.3	18.3
16	MT 21074	MT 1525/MT 1348	63.4	61.6	15.4	31.0	30.0
7	VIDA	Scholar/Reeder	63.0	60.0	15.3	29.7	38.3
64	CP3119A	-	63.0	57.4	13.2	29.7	<u>13.3</u>
2	ROCKER	-	61.9	<u>61.7</u>	15.0	28.3	26.7
40	MT 23241	DAGMAR/MT 1866	61.6	59.7	15.7	31.3	60.0
35	MT 23184	MT 1857/MT 1673	60.2	60.8	15.1	29.3	80.0
32	MT 23116	DAGMAR/MT 1815	58.7	58.7	14.8	29.0	63.3
19	MT 21487	Dagmar/BC1-80	58.5	60.1	15.8	30.3	63.3
10	NS PRESSER CLP	Vida//8209-1/Vida	58.3	58.8	15.7	31.0	53.3
31	MT 23113	MT 1855//MT 1572/MT1133//CHOTEAU/YELLOWSTONE	57.3	59.3	15.3	29.0	66.7
8	DUCLAIR	Choteau//ND695/MT9433	56.6	58.0	14.9	29.7	73.3
11	DAGMAR	MT1133/MT1148	56.2	59.6	15.8	31.0	63.3
12	WB 9879 CLP	Choteau*3//Choteau//IMI8134	55.7	59.0	15.2	28.7	38.3
36	MT 23084	DAGMAR/MT 1807	54.5	59.8	16.2	28.3	50.0
23	MT 22205	LANNING/MT0945/MT 1807	54.3	59.1	16.5	27.3	70.0
22	MT 22182	DAGMAR/MT 1617	53.7	57.5	15.1	30.0	70.0
45	MT 23275	MT 1872/MT 1824	53.2	59.5	15.1	29.0	70.0
18	MT 21484	Dagmar/BC1-52	51.5	59.4	15.5	30.3	73.3
21	MT 22083	DAGMAR/MT 1866	51.2	60.1	15.3	28.7	83.3
56	SY LONGMIRE	-	50.8	59.5	15.5	28.3	76.7
26	MT 23052	MT 1866/MT 1673	50.8	59.8	14.8	28.7	70.0
42	MT 23294	LANNING/MT 1904	50.7	61.2	14.9	28.3	66.7
13	MT DUTTON	Vida/Elgin-ND	50.0	58.6	15.3	29.3	73.3
17	MT 21174	DAGMAR//MT1142/MT1225	49.7	59.2	15.5	33.0	63.3
14	MT CARLSON	Lanning/MT1531	48.3	57.9	14.9	29.0	86.7
41	MT 23265	DAGMAR/MT 1866	48.1	57.8	15.0	30.3	80.0
51	AAC CONCORD	-	47.4	58.9	15.4	33.0	66.7
20	MT 22073	LANNING/MT 1806	47.1	57.5	16.7	27.7	86.7
62	WB 9668	-	46.6	59.4	<u>17.0</u>	26.0	31.7
44	MT 23339	MT 1815/MT 1934	46.3	59.5	15.8	28.7	83.3
25	MT 23039	MT 1872/MT 1907	45.8	58.3	15.1	27.7	73.3
33	MT 23127	MT 1872/MT 1939	45.5	57.9	14.5	26.7	86.7
28	MT 23085	DAGMAR/MT 1807	45.4	57.5	15.7	28.7	86.7
43	MT 23297	DAGMAR/NDHRS16-14-41	44.2	58.3	14.9	29.0	86.7
30	MT 23110	DAGMAR/MT 1939	41.0	59.3	14.9	29.0	90.0
6	McNEAL	RS6880/Glenman	40.8	57.9	15.2	30.3	83.3
37	MT 23204	MT 1857/MT 1817	38.6	57.4	14.9	29.7	90.0

2025 ADVANCED SPRING WHEAT NURSERY, FORT BENTON (DRY), (Collaborator : Nutrien)(CONT.)

ENTRY	VARIETY	PEDIGREE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	PROTEIN (%)	PLANT HEIGHT (IN.)	SAWFLY CUT (%)
15	MT UBET	Lanning/MT 1338	37.2	57.5	15.5	30.0	90.0
24	MT 22345	DAGMAR/MN14105-7	36.1	56.6	14.5	29.7	90.0
52	MS NOVA	-	35.2	57.7	14.5	28.0	90.0
54	ND STAMPEDE	-	35.2	55.6	14.8	27.3	90.0
4	THATCHER	Marquis/lumillo durum // Marquis/Kanred	34.1	57.2	14.0	35.7	83.3
47	LCS ASCENT	-	33.1	57.6	12.9	28.0	90.0
39	MT 23130	LANNING/MT 1934	33.0	57.7	15.0	28.3	90.0
27	MT 23067	DAGMAR/NDHRS16-14-41	32.8	57.8	15.0	28.3	90.0
53	MS CHARGER	-	32.3	57.2	13.0	27.7	90.0
59	AP ELEVATE	-	32.1	56.9	14.5	27.3	90.0
49	LCS SENTRY	-	31.9	58.9	14.3	29.3	90.0
34	MT 23133	LANNING/MT 1934	31.8	58.6	15.8	27.7	86.7
48	LCS BOOM	-	31.4	59.8	14.9	27.7	90.0
60	AP DAGR	-	31.0	56.8	13.4	28.0	90.0
55	PG PREDATOR	-	30.8	56.8	15.0	27.3	90.0
61	AP ICONIC	-	30.7	58.1	14.5	27.7	90.0
9	LANNING	Glenn/MT0747	30.4	57.0	16.3	28.3	90.0
1	SY ROCKFORD	-	30.1	56.2	13.6	26.7	90.0
5	REEDER	IAS#4/H567.71//Stoa/3/ND674	28.4	60.4	15.7	29.7	90.0
58	AP GUNSMOKE CL2	-	26.2	57.9	15.7	27.7	90.0
50	MS RANCHERO	-	25.2	56.8	13.8	28.3	90.0
57	AP SMITH	-	24.7	57.7	14.4	26.7	90.0
MEAN			46.2	58.6	15.0	29.1	72.4
C.V.			12.7	1.0	2.6	4.4	9.4
PROBABILITY			<0.001	<0.001	<0.001	<0.001	<0.001
LSD(0.05)			9.0	0.9	0.6	2.1	11
LATTICE RE(%) ¹⁾			111.6	105.6	110.6	100.2	98.8

1) Adjusted means provided for Lattice RE% values equal to or greater than 105%

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2025 ADVANCED SPRING WHEAT NURSERY, HAVRE (DRY), (Collaborator:Peggy Lamb, NARC)

ENTRY	VARIETY	PEDIGREE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	PROTEIN (%)	HEADING DATE (JULIAN)	PLANT HEIGHT (IN.)	GLD ¹ (days)
40	MT 23241	DAGMAR/MT 1866	<u>57.2</u>	57.6	15.8	166.7	27.4	33.3
19	MT 21487	Dagmar/BC1-80	56.7	58.6	16.5	164.7	28.2	36.9
7	VIDA	Scholar/Reeder	55.7	58.5	15.6	167.0	26.7	33.6
33	MT 23127	MT 1872/MT 1939	55.5	56.2	16.0	167.0	27.5	33.8
22	MT 22182	DAGMAR/MT 1617	55.4	57.1	16.2	165.3	27.8	34.2
64	CP3119A	-	55.3	54.5	14.4	174.0	27.9	30.7
57	AP SMITH	-	55.2	59.3	15.9	167.0	27.0	34.3
46	MT 23385	MT 1866//VIDA/SxD3 (1052)	55.0	57.8	15.6	167.0	29.3	33.7
35	MT 23184	MT 1857/MT 1673	54.6	59.7	16.4	164.3	25.7	37.0
18	MT 21484	Dagmar/BC1-52	54.3	59.1	16.5	165.7	27.8	37.1
26	MT 23052	MT 1866/MT 1673	54.2	59.5	15.9	165.0	25.4	35.7
38	MT 23205	MT 1857/MT 1817	53.7	58.4	16.2	167.0	27.4	34.8
41	MT 23265	DAGMAR/MT 1866	53.4	58.3	16.0	166.3	26.9	34.3
25	MT 23039	MT 1872/MT 1907	53.1	56.8	16.4	165.0	26.8	36.9
10	NS PRESSER CLP	Vida//8209-1/Vida	52.9	57.7	15.5	167.0	27.9	34.2
44	MT 23339	MT 1815/MT 1934	52.8	58.6	16.5	166.3	26.5	35.3
61	AP ICONIC	-	52.6	58.7	16.6	167.0	28.3	32.8
13	MT DUTTON	Vida/Elgin-ND	52.6	57.5	16.8	166.7	26.7	34.8
29	MT 23098	DAGMAR/MT 1904	52.6	58.9	16.2	164.3	25.6	37.3
24	MT 22345	DAGMAR/MN14105-7	52.4	57.0	16.1	167.0	27.5	33.6
42	MT 23294	LANNING/MT 1904	52.4	58.7	16.3	168.7	26.2	33.0
2	ROCKER	-	52.3	59.9	15.7	167.0	27.8	34.4
3	WB GUNNISON	Conan/Agawam	52.2	59.1	15.6	166.0	25.9	35.7
55	PG PREDATOR	-	52.1	59.1	16.8	166.0	25.0	35.1
28	MT 23085	DAGMAR/MT 1807	52.0	57.8	16.4	165.3	25.8	34.1
21	MT 22083	DAGMAR/MT 1866	52.0	59.6	16.3	162.7	25.8	<u>39.3</u>
56	SY LONGMIRE	-	51.7	59.9	16.6	166.7	26.2	33.1
37	MT 23204	MT 1857/MT 1817	51.7	58.0	16.4	164.3	27.2	36.8
60	AP DAGR	-	51.7	58.2	15.9	167.0	27.0	34.6
50	MS RANCHERO	-	51.6	58.4	15.6	164.3	26.3	36.6
39	MT 23130	LANNING/MT 1934	51.6	58.4	16.1	<u>161.0</u>	26.4	37.9
52	MS NOVA	-	51.6	59.5	16.1	164.0	25.6	35.6
45	MT 23275	MT 1872/MT 1824	51.5	57.8	16.6	165.0	28.4	37.6
16	MT 21074	MT 1525/MT 1348	51.4	58.2	16.9	167.3	28.3	32.9
34	MT 23133	LANNING/MT 1934	51.3	59.2	16.5	162.3	24.8	36.9
14	MT CARLSON	Lanning/MT1531	51.2	57.1	16.3	165.3	27.6	35.0
20	MT 22073	LANNING/MT 1806	51.1	56.8	17.7	164.3	27.6	35.4
63	CP3055	-	51.1	53.5	15.5	172.0	27.8	34.0
8	DUCLAIR	Choteau//ND695/MT9433	51.0	57.5	16.7	164.0	25.6	36.2
47	LCS ASCENT	-	50.5	59.7	15.9	163.0	27.7	35.8
15	MT UBET	Lanning/MT 1338	50.5	58.7	16.5	163.7	24.7	36.8
17	MT 21174	DAGMAR//MT1142/MT1225	50.4	58.6	16.7	165.3	26.5	37.6

2025 ADVANCED SPRING WHEAT NURSERY, HAVRE (DRY), (Collaborator:Peggy Lamb, NARC) (CONT.)

ENTRY	VARIETY	PEDIGREE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	PROTEIN (%)	HEADING DATE (JULIAN)	PLANT HEIGHT (IN.)	GLD ¹ (days)
27	MT 23067	DAGMAR/NDHRS16-14-41	50.3	59.1	16.3	164.7	26.5	37.2
48	LCS BOOM	-	50.2	60.4	16.8	163.3	26.9	35.6
59	AP ELEVATE	-	50.0	58.9	16.8	167.0	26.1	33.7
51	AAC CONCORD	-	49.9	56.7	16.3	165.3	25.7	34.6
11	DAGMAR	MT1133/MT1148	49.9	58.6	16.7	165.0	25.8	36.7
32	MT 23116	DAGMAR/MT 1815	49.8	57.4	16.2	164.7	27.4	36.5
30	MT 23110	DAGMAR/MT 1939	49.8	59.0	16.4	162.0	26.4	38.4
53	MS CHARGER	-	49.6	59.7	14.8	166.0	26.6	36.1
5	REEDER	IAS#4/H567.71//Stoa/3/ND674	49.1	59.2	16.2	165.0	26.8	36.2
1	SY ROCKFORD	-	48.3	57.3	16.2	167.0	28.2	33.2
31	MT 23113	MT 1855//MT 1572/MT1133//CHOTEAU/YELLOWSTONE	48.2	59.2	16.5	167.0	26.8	36.0
58	AP GUNSMOKE CL2	-	48.0	59.1	17.5	165.0	25.9	35.4
9	LANNING	Glenn/MT0747	48.0	58.3	17.1	164.0	27.5	36.2
23	MT 22205	LANNING/MT0945/MT 1807	47.9	59.1	16.7	162.0	26.7	38.2
43	MT 23297	DAGMAR/NDHRS16-14-41	47.8	58.3	16.2	167.0	27.0	34.2
6	McNEAL	RS6880/Glenman	47.2	58.1	15.9	166.3	27.1	30.9
36	MT 23084	DAGMAR/MT 1807	47.1	58.6	17.1	163.7	26.6	37.1
12	WB 9879 CLP	Choteau*3//Choteau/IMI8134	47.0	56.4	17.0	167.0	26.9	32.2
54	ND STAMPEDE	-	45.4	58.3	17.1	164.7	28.5	35.3
49	LCS SENTRY	-	43.5	59.6	16.1	164.7	28.7	34.2
62	WB 9668	-	39.7	58.5	18.8	163.0	22.9	38.8
4	THATCHER	Marquis/lumillo durum // Marquis/Kanred	39.2	55.4	16.2	168.7	34.8	31.1
MEAN			51.0	58.3	16.3	165.6	26.9	35.3
C.V.			7.0	0.8	1.3	0.5	5.1	5.8
PROBABILITY			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
LSD(0.05)			5.0	0.5	0.3	1.3	2.2	2.9
LATTICE RE(%) ¹⁾			134.2	205.6	113.9	104.0	100.4	131.1

1) GLD=green leaf duration (stay-green)

2) Adjusted means provided for Lattice RE% values equal to or greater than 105%

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2025 ADVANCED SPRING WHEAT NURSERY, HINGHAM (DRY), (Collaborator : 2nd Nature Seeds)

ENTRY	VARIETY	PEDIGREE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	PROTEIN (%)	PLANT HEIGHT (IN.)
64	CP3119A	-	<u>54.9</u>	58.8	10.7	27.0
13	MT DUTTON	Vida/Elgin-ND	46.9	60.7	12.9	24.7
63	CP3055	-	46.2	59.8	10.7	27.0
30	MT 23110	DAGMAR/MT 1939	44.9	61.6	12.7	28.0
23	MT 22205	LANNING/MT0945/MT 1807	44.5	60.8	13.0	25.7
33	MT 23127	MT 1872/MT 1939	44.4	60.8	12.7	23.7
25	MT 23039	MT 1872/MT 1907	44.3	60.8	11.7	24.7
54	ND STAMPEDE	-	43.9	60.6	12.6	27.3
42	MT 23294	LANNING/MT 1904	43.6	63.1	11.4	23.7
15	MT UBET	Lanning/MT 1338	43.4	60.8	12.4	25.7
50	MS RANCHERO	-	43.3	60.9	11.6	25.7
44	MT 23339	MT 1815/MT 1934	43.0	61.1	12.1	25.7
52	MS NOVA	-	43.0	<u>63.7</u>	11.9	25.0
37	MT 23204	MT 1857/MT 1817	42.9	60.9	12.8	26.7
7	VIDA	Scholar/Reeder	42.9	61.1	12.5	26.7
20	MT 22073	LANNING/MT 1806	42.8	59.7	13.0	25.0
24	MT 22345	DAGMAR/MN14105-7	42.7	61.2	11.6	26.3
35	MT 23184	MT 1857/MT 1673	42.6	62.3	12.3	25.0
43	MT 23297	DAGMAR/NDHRS16-14-41	42.4	61.3	12.6	26.3
5	REEDER	IAS#4/H567.71//Stoa/3/ND674	42.1	61.6	13.3	26.0
10	NS PRESSER CLP	Vida//8209-1/Vida	42.0	61.5	11.9	26.3
39	MT 23130	LANNING/MT 1934	41.9	60.2	11.9	26.3
2	ROCKER	-	41.7	63.4	12.0	25.3
14	MT CARLSON	Lanning/MT1531	41.4	60.7	12.0	26.0
9	LANNING	Glenn/MT0747	40.5	61.4	12.2	25.3
3	WB GUNNISON	Conan/Agawam	39.7	61.8	12.4	25.0
40	MT 23241	DAGMAR/MT 1866	39.7	60.8	11.4	25.3
29	MT 23098	DAGMAR/MT 1904	39.6	61.7	12.3	25.3
28	MT 23085	DAGMAR/MT 1807	39.6	60.9	13.3	25.0
38	MT 23205	MT 1857/MT 1817	39.3	61.0	12.8	26.0
53	MS CHARGER	-	39.3	61.4	11.5	23.7
41	MT 23265	DAGMAR/MT 1866	39.1	61.1	12.5	25.7
56	SY LONGMIRE	-	39.0	62.8	12.0	26.3
49	LCS SENTRY	-	38.9	62.6	12.9	27.3
26	MT 23052	MT 1866/MT 1673	38.9	61.5	12.9	23.3
45	MT 23275	MT 1872/MT 1824	38.8	61.4	12.8	24.7
46	MT 23385	MT 1866//VIDA/SxD3 (1052)	38.5	60.9	12.5	26.3
6	McNEAL	RS6880/Glenman	38.3	60.9	12.2	28.0
31	MT 23113	MT 1855///MT 1572/MT1133//CHOTEAU/YELLOWSTONE	38.3	61.3	13.7	23.3
32	MT 23116	DAGMAR/MT 1815	38.2	59.9	12.2	25.3
4	THATCHER	Marquis/lumillo durum // Marquis/Kanred	38.0	60.5	12.0	<u>31.7</u>
48	LCS BOOM	-	37.4	62.8	13.0	24.0

2025 ADVANCED SPRING WHEAT NURSERY, HINGHAM (DRY), (Collaborator : 2nd Nature Seeds) (CONT.)

ENTRY	VARIETY	PEDIGREE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	PROTEIN (%)	PLANT HEIGHT (IN.)
34	MT 23133	LANNING/MT 1934	37.4	60.6	11.8	24.3
16	MT 21074	MT 1525/MT 1348	37.4	62.1	13.0	26.7
8	DUCLAIR	Choteau//ND695/MT9433	37.4	61.1	12.9	25.7
60	AP DAGR	-	37.3	60.9	12.2	23.0
11	DAGMAR	MT1133/MT1148	37.2	61.4	12.6	25.0
19	MT 21487	Dagmar/BC1-80	37.0	61.1	12.8	25.3
22	MT 22182	DAGMAR/MT 1617	36.8	59.8	13.1	25.7
47	LCS ASCENT	-	36.1	62.6	12.6	24.7
17	MT 21174	DAGMAR//MT1142/MT1225	35.9	60.7	12.5	26.3
18	MT 21484	Dagmar/BC1-52	35.3	61.0	12.6	26.7
55	PG PREDATOR	-	35.3	61.6	13.1	24.3
12	WB 9879 CLP	Choteau*3//Choteau/IMI8134	34.9	60.8	13.1	24.3
62	WB 9668	-	34.8	60.7	15.0	23.0
1	SY ROCKFORD	-	34.6	60.6	12.6	25.7
58	AP GUNSMOKE CL2	-	34.5	61.9	12.2	24.7
57	AP SMITH	-	34.1	61.9	13.0	23.7
21	MT 22083	DAGMAR/MT 1866	33.6	61.2	14.1	24.7
61	AP ICONIC	-	33.5	61.3	12.2	25.3
36	MT 23084	DAGMAR/MT 1807	33.0	60.9	13.2	24.3
59	AP ELEVATE	-	33.0	61.0	13.5	25.7
27	MT 23067	DAGMAR/NDHRS16-14-41	32.8	60.9	12.3	24.7
51	AAC CONCORD	-	32.1	59.2	11.7	29.0
MEAN			39.5	61.2	12.5	25.5
C.V.			9.8	1.0	7.7	4.8
PROBABILITY			<0.001	<0.001	<0.01	<0.001
LSD(0.05)			5.7	0.9	1.4	2.0
LATTICE RE(%) ¹⁾			119.4	98.9	118.8	94.4

1) Adjusted means provided for Lattice RE% values equal to or greater than 105%

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2025 ADVANCED SPRING WHEAT NURSERY, MOCCASIN (DRY), (Collaborator : Jed Eberly, CARC)

ENTRY	VARIETY	PEDIGREE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	PROTEIN (%)	HEADING DATE (JULIAN)	PLANT HEIGHT (IN.)	SAWFLY CUT (%)
45	MT 23275	MT 1872/MT 1824	<u>55.0</u>	63.7	10.7	169.8	30.7	2
7	VIDA	Scholar/Reeder	53.5	62.5	10.6	174.1	31.7	1
41	MT 23265	DAGMAR/MT 1866	50.6	62.1	10.3	170.6	30.3	3
64	CP3119A	-	49.4	60.0	10.5	180.5	30.0	2
22	MT 22182	DAGMAR/MT 1617	49.1	61.7	11.0	169.7	30.0	<u>0</u>
29	MT 23098	DAGMAR/MT 1904	48.4	62.9	10.8	170.9	30.3	<u>0</u>
63	CP3055	-	48.2	60.8	10.5	179.0	28.0	<u>0</u>
15	MT UBET	Lanning/MT 1338	47.5	62.5	11.1	171.2	29.0	7
40	MT 23241	DAGMAR/MT 1866	47.4	61.9	11.0	172.9	28.7	1
18	MT 21484	Dagmar/BC1-52	46.9	63.6	11.1	170.2	29.7	2
38	MT 23205	MT 1857/MT 1817	46.8	63.5	11.1	174.5	29.0	4
11	DAGMAR	MT1133/MT1148	46.7	63.7	11.5	169.9	30.7	<u>0</u>
23	MT 22205	LANNING/MT0945/MT 1807	46.5	62.3	10.9	169.0	27.7	4
52	MS NOVA	-	46.4	63.1	11.3	171.5	30.0	8
19	MT 21487	Dagmar/BC1-80	46.3	63.2	11.2	170.9	30.0	2
12	WB 9879 CLP	Choteau*3//Choteau/IMI8134	46.2	63.5	11.8	173.5	28.3	2
44	MT 23339	MT 1815/MT 1934	45.9	63.5	10.5	172.6	29.0	3
43	MT 23297	DAGMAR/NDHRS16-14-41	45.6	62.1	10.9	174.9	29.0	7
17	MT 21174	DAGMAR//MT1142/MT1225	45.5	62.8	11.7	171.9	30.3	3
16	MT 21074	MT 1525/MT 1348	45.4	<u>65.1</u>	12.0	174.5	31.3	1
30	MT 23110	DAGMAR/MT 1939	45.1	63.7	11.3	169.9	32.0	10
13	MT DUTTON	Vida/Elgin-ND	45.1	61.6	11.4	172.6	30.0	9
2	ROCKER	-	44.9	64.4	11.1	174.7	30.0	<u>0</u>
8	DUCLAIR	Choteau//ND695/MT9433	44.9	62.4	11.3	170.3	30.7	3
28	MT 23085	DAGMAR/MT 1807	44.8	62.0	10.3	171.6	30.3	4
51	AAC CONCORD	-	44.7	62.6	12.0	174.4	34.0	2
32	MT 23116	DAGMAR/MT 1815	44.5	61.1	11.1	170.1	27.3	4
3	WB GUNNISON	Conan/Agawam	43.9	63.1	11.5	172.9	28.0	1
50	MS RANCHERO	-	43.8	62.2	11.3	174.8	31.0	20
46	MT 23385	MT 1866//VIDA/SxD3 (1052)	43.4	62.8	10.9	174.1	29.7	4
42	MT 23294	LANNING/MT 1904	43.0	64.2	11.1	175.0	26.3	2
10	NS PRESSER CLP	Vida//8209-1/Vida	42.7	62.2	11.0	175.2	31.0	5
35	MT 23184	MT 1857/MT 1673	42.4	64.2	11.4	169.4	29.3	4
39	MT 23130	LANNING/MT 1934	42.2	62.3	11.1	169.1	29.3	9
31	MT 23113	MT 1855///MT 1572/MT1133//CHOTEAU/YELLOWSTONE	42.1	63.4	11.5	170.4	29.3	2
20	MT 22073	LANNING/MT 1806	42.1	61.1	11.8	170.4	29.7	20
26	MT 23052	MT 1866/MT 1673	41.7	63.2	11.1	171.5	29.3	4
27	MT 23067	DAGMAR/NDHRS16-14-41	41.4	62.0	11.1	170.9	27.7	8
36	MT 23084	DAGMAR/MT 1807	41.1	63.0	11.7	169.9	29.0	<u>0</u>
6	McNEAL	RS6880/Glenman	41.1	62.8	11.4	174.7	31.7	13
14	MT CARLSON	Lanning/MT1531	40.7	62.9	11.8	170.7	28.7	14

2025 ADVANCED SPRING WHEAT NURSERY, MOCCASIN (DRY), (Collaborator : Jed Eberly, CARC) (CONT.)

ENTRY	VARIETY	PEDIGREE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	PROTEIN (%)	HEADING DATE (JULIAN)	PLANT HEIGHT (IN.)	SAWFLY CUT (%)
56	SY LONGMIRE	-	40.7	64.1	11.4	171.7	29.0	3
33	MT 23127	MT 1872/MT 1939	40.0	62.2	11.1	173.8	27.7	2
24	MT 22345	DAGMAR/MN14105-7	39.5	61.4	10.5	172.7	28.7	6
25	MT 23039	MT 1872/MT 1907	39.2	62.6	11.1	170.1	27.0	5
9	LANNING	Glenn/MT0747	39.0	63.1	11.6	169.4	29.3	26
57	AP SMITH	-	38.5	63.0	11.9	175.1	27.3	14
34	MT 23133	LANNING/MT 1934	37.6	63.1	11.8	168.6	27.0	12
37	MT 23204	MT 1857/MT 1817	37.6	62.3	11.6	169.8	30.0	30
47	LCS ASCENT	-	37.3	63.8	11.5	170.4	28.3	19
1	SY ROCKFORD	-	37.3	61.0	11.7	175.0	29.7	12
54	ND STAMPEDE	-	36.5	61.8	11.7	171.5	30.0	21
58	AP GUNSMOKE CL2	-	36.3	63.1	11.9	170.8	29.0	31
21	MT 22083	DAGMAR/MT 1866	35.9	63.5	12.3	168.7	30.3	15
4	THATCHER	Marquis/lumillo durum // Marquis/Kanred	35.6	61.8	11.6	174.6	36.3	15
53	MS CHARGER	-	35.1	62.1	10.6	172.9	28.0	25
59	AP ELEVATE	-	35.0	62.2	11.8	174.2	27.0	27
5	REEDER	IAS#4/H567.71//Stoa/3/ND674	34.9	63.0	12.2	172.6	28.3	12
55	PG PREDATOR	-	34.9	61.5	11.6	173.9	26.7	32
62	WB 9668	-	34.7	62.6	12.9	168.8	25.3	2
49	LCS SENTRY	-	34.4	63.9	11.9	170.6	30.7	27
61	AP ICONIC	-	34.1	62.6	11.5	173.2	29.3	23
48	LCS BOOM	-	30.5	62.6	12.4	169.5	29.0	20
60	AP DAGR	-	23.7	60.4	11.2	173.3	26.7	29
MEAN			42.0	62.6	11.3	172.1	29.4	9.4
C.V.			11.7	0.7	4.8	0.7	5.2	62.1
PROBABILITY			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
LSD(0.05)			7.5	0.6	0.6	1.8	2.4	8.3
LATTICE RE(%) ¹⁾			115.1	138.3	195.8	127.6	100.7	129.7

1) Adjusted means provided for Lattice RE% values equal to or greater than 105%

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2025 ADVANCED SPRING WHEAT NURSERY, SIDNEY (DRY), (Collaborator : Chengci Chen, EARC)

ENTRY	VARIETY	PEDIGREE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	PROTEIN (%)	HEADING DATE (JULIAN)	PLANT HEIGHT (IN.)	SAWFLY CUT (%)
45	MT 23275	MT 1872/MT 1824	69.9	63.3	13.0	168.4	30.3	1.7
35	MT 23184	MT 1857/MT 1673	69.5	63.3	13.2	168.6	29.2	5.9
14	MT CARLSON	Lanning/MT1531	69.5	62.3	12.8	168.9	30.6	4.9
39	MT 23130	LANNING/MT 1934	69.3	62.1	12.9	166.6	27.9	13.0
34	MT 23133	LANNING/MT 1934	69.0	62.9	13.5	166.5	27.9	13.0
33	MT 23127	MT 1872/MT 1939	68.9	61.9	13.1	171.3	29.3	11.7
37	MT 23204	MT 1857/MT 1817	68.5	62.7	13.2	167.8	29.5	11.9
23	MT 22205	LANNING/MT0945/MT 1807	68.4	62.8	13.4	167.7	29.7	16.1
40	MT 23241	DAGMAR/MT 1866	68.0	62.4	12.8	170.5	31.8	9.7
15	MT UBET	Lanning/MT 1338	67.9	63.1	13.1	168.3	29.3	7.8
13	MT DUTTON	Vida/Elgin-ND	67.9	62.6	13.5	169.5	30.2	7.1
19	MT 21487	Dagmar/BC1-80	67.8	64.2	13.6	168.4	31.3	5.0
47	LCS ASCENT	-	67.2	64.5	13.0	168.1	30.7	10.5
9	LANNING	Glenn/MT0747	67.2	63.9	13.4	167.1	28.6	10.9
42	MT 23294	LANNING/MT 1904	67.0	64.1	13.1	172.7	29.1	6.8
41	MT 23265	DAGMAR/MT 1866	66.7	62.6	13.2	169.6	30.9	8.8
24	MT 22345	DAGMAR/MN14105-7	66.7	62.8	13.0	168.5	30.5	5.8
7	VIDA	Scholar/Reeder	66.6	63.2	12.7	170.7	30.8	14.7
27	MT 23067	DAGMAR/NDHRS16-14-41	66.5	64.4	13.5	167.6	27.8	3.4
16	MT 21074	MT 1525/MT 1348	66.5	63.7	13.4	172.4	30.6	10.1
64	CP3119A	-	66.3	58.6	12.2	175.7	32.1	6.1
25	MT 23039	MT 1872/MT 1907	66.0	61.8	13.3	168.5	28.8	5.6
26	MT 23052	MT 1866/MT 1673	65.9	63.8	13.2	169.2	29.4	5.0
29	MT 23098	DAGMAR/MT 1904	65.9	63.2	13.7	168.2	30.9	4.1
38	MT 23205	MT 1857/MT 1817	65.8	64.0	13.3	172.0	30.6	12.7
10	NS PRESSER CLP	Vida//8209-1/Vida	65.5	62.1	12.9	171.8	32.9	18.6
28	MT 23085	DAGMAR/MT 1807	65.5	62.3	13.2	168.6	30.6	10.8
55	PG PREDATOR	-	65.5	63.3	13.7	170.2	28.6	10.0
44	MT 23339	MT 1815/MT 1934	65.3	63.3	13.0	170.8	31.3	4.8
21	MT 22083	DAGMAR/MT 1866	65.3	63.7	13.8	167.5	29.9	12.9
17	MT 21174	DAGMAR//MT1142/MT1225	65.2	63.5	13.7	168.9	31.3	3.8
31	MT 23113	MT 1855//MT 1572/MT1133//CHOTEAU/YELLOWSTONE	65.0	63.3	13.3	168.9	30.8	8.3
63	CP3055	-	65.0	59.3	12.8	175.3	30.2	4.0
50	MS RANCHERO	-	64.8	62.8	12.8	168.2	30.3	12.5
30	MT 23110	DAGMAR/MT 1939	64.7	64.4	13.1	166.9	30.7	5.4
2	ROCKER	-	64.7	64.2	12.9	171.5	31.2	16.3
49	LCS SENTRY	-	64.6	63.8	13.2	169.1	31.2	10.0
18	MT 21484	Dagmar/BC1-52	64.5	63.3	13.7	168.5	30.3	7.9
46	MT 23385	MT 1866//VIDA/SxD3 (1052)	64.3	62.3	12.9	171.4	31.6	11.8
32	MT 23116	DAGMAR/MT 1815	64.3	62.1	13.1	168.0	29.8	3.6
20	MT 22073	LANNING/MT 1806	64.2	62.0	13.8	168.0	28.9	6.8
5	REEDER	IAS#4/H567.71//Stoa/3/ND674	64.2	63.4	14.0	169.6	32.2	9.7

2025 ADVANCED SPRING WHEAT NURSERY, SIDNEY (DRY), (Collaborator : Chengci Chen, EARC) (CONT.)

ENTRY	VARIETY	PEDIGREE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	PROTEIN (%)	HEADING DATE (JULIAN)	PLANT HEIGHT (IN.)	SAWFLY CUT (%)
1	SY ROCKFORD	-	64.1	62.7	13.0	171.1	31.0	11.4
43	MT 23297	DAGMAR/NDHRS16-14-41	64.0	62.6	13.7	171.1	28.9	6.9
60	AP DAGR	-	63.9	62.0	12.9	170.8	27.5	10.9
59	AP ELEVATE	-	63.8	63.5	13.5	170.0	28.5	12.9
57	AP SMITH	-	63.4	64.1	13.8	171.0	28.5	6.4
61	AP ICONIC	-	63.4	63.0	13.1	169.1	30.7	13.3
11	DAGMAR	MT1133/MT1148	63.0	63.4	14.0	167.2	30.3	4.9
36	MT 23084	DAGMAR/MT 1807	62.9	63.5	13.8	167.9	28.3	7.6
54	ND STAMPEDE	-	61.6	62.0	14.1	168.6	30.7	12.9
56	SY LONGMIRE	-	61.3	63.3	13.2	170.6	30.2	5.8
22	MT 22182	DAGMAR/MT 1617	61.3	61.9	13.4	167.2	28.6	4.9
53	MS CHARGER	-	61.2	63.7	12.2	168.0	29.4	13.9
12	WB 9879 CLP	Choteau*3//Choteau/IMI8134	60.7	62.4	13.6	171.7	29.1	6.4
52	MS NOVA	-	60.7	63.8	13.1	167.9	28.9	12.4
58	AP GUNSMOKE CL2	-	59.7	63.0	13.5	168.6	30.1	13.3
6	McNEAL	RS6880/Glenman	59.7	61.6	13.6	171.6	30.8	20.9
8	DUCLAIR	Choteau//ND695/MT9433	57.6	61.6	13.3	168.6	31.4	4.3
62	WB 9668	-	56.2	62.3	14.6	167.7	24.4	14.2
3	WB GUNNISON	Conan/Agawam	56.2	63.3	13.0	168.1	28.9	10.9
48	LCS BOOM	-	55.7	63.7	13.6	168.2	28.7	11.1
51	AAC CONCORD	-	53.5	61.8	13.9	172.2	33.4	5.0
4	THATCHER	Marquis/lumillo durum // Marquis/Kanred	50.0	60.2	13.7	173.2	41.1	18.5
MEAN			64.3	62.9	13.3	169.5	30.1	9.3
C.V.			6.0	1.0	2.6	0.4	4.2	54.0
PROBABILITY			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
LSD(0.05)			4.3	1.0	0.4	1.1	1.5	7.1
LATTICE RE(%) ¹⁾			206.4	113.7	235.9	115.7	184.5	132.3

1) Adjusted means provided for Lattice RE% values equal to or greater than 105%

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2025 ADVANCED SPRING WHEAT NURSERY, BOZEMAN (IRRI)

ENTRY	VARIETY	PEDIGREE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	PROTEIN (%)	PLANT HEIGHT (IN.)
64	CP3119A	-	<u>119.3</u>	57.5	13.0	31.8
46	MT 23385	MT 1866//VIDA/SxD3 (1052)	113.8	60.9	14.0	31.4
63	CP3055	-	113.0	58.5	12.9	30.6
50	MS RANCHERO	-	111.0	61.0	13.1	31.9
41	MT 23265	DAGMAR/MT 1866	110.1	60.4	14.2	30.4
33	MT 23127	MT 1872/MT 1939	109.6	59.8	14.0	29.2
40	MT 23241	DAGMAR/MT 1866	108.5	60.2	14.1	30.5
13	MT DUTTON	Vida/Elgin-ND	108.5	59.6	14.8	29.9
26	MT 23052	MT 1866/MT 1673	107.9	61.2	14.1	28.3
15	MT UBET	Lanning/MT 1338	106.5	60.6	14.4	27.8
24	MT 22345	DAGMAR/MN14105-7	106.4	59.9	14.0	28.7
10	NS PRESSER CLP	Vida//8209-1/Vida	106.1	58.9	14.6	32.1
37	MT 23204	MT 1857/MT 1817	106.0	60.5	14.9	29.4
25	MT 23039	MT 1872/MT 1907	105.5	59.8	14.2	26.5
45	MT 23275	MT 1872/MT 1824	104.8	60.2	14.3	28.8
29	MT 23098	DAGMAR/MT 1904	104.8	60.5	14.9	29.3
42	MT 23294	LANNING/MT 1904	104.6	62.1	14.6	28.3
54	ND STAMPEDE	-	103.8	59.4	14.1	29.0
11	DAGMAR	MT1133/MT1148	103.8	60.6	15.1	28.7
47	LCS ASCENT	-	103.7	61.2	14.0	28.2
35	MT 23184	MT 1857/MT 1673	103.7	61.7	14.8	28.0
28	MT 23085	DAGMAR/MT 1807	103.6	59.8	14.9	28.6
17	MT 21174	DAGMAR//MT1142/MT1225	103.4	60.6	15.0	30.7
14	MT CARLSON	Lanning/MT1531	103.3	60.6	14.1	28.7
1	SY ROCKFORD	-	103.1	60.0	14.2	29.5
7	VIDA	Scholar/Reeder	101.4	60.0	14.3	29.4
60	AP DAGR	-	101.3	60.5	13.8	26.5
5	REEDER	IAS#4/H567.71//Stoa/3/ND674	101.2	61.8	14.9	30.2
49	LCS SENTRY	-	101.0	61.8	14.1	29.4
31	MT 23113	MT 1855//MT 1572/MT1133//CHOTEAU/YELLOWSTONE	100.9	61.1	15.0	28.6
18	MT 21484	Dagmar/BC1-52	100.5	60.7	14.9	29.9
19	MT 21487	Dagmar/BC1-80	100.5	60.4	15.1	30.2
53	MS CHARGER	-	100.0	59.6	13.0	28.0
20	MT 22073	LANNING/MT 1806	99.4	59.9	15.5	27.2
44	MT 23339	MT 1815/MT 1934	98.6	61.3	15.0	28.9
27	MT 23067	DAGMAR/NDHRS16-14-41	98.4	60.4	15.0	27.4
61	AP ICONIC	-	98.3	62.1	14.1	29.2
32	MT 23116	DAGMAR/MT 1815	97.5	59.0	14.3	28.5
34	MT 23133	LANNING/MT 1934	97.1	61.3	14.8	26.8
9	LANNING	Glenn/MT0747	97.0	61.5	14.8	27.9
6	McNEAL	RS6880/Glenman	97.0	61.0	14.6	31.1

2025 ADVANCED SPRING WHEAT NURSERY, BOZEMAN (IRRI) (CONT.)

ENTRY	VARIETY	PEDIGREE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	PROTEIN (%)	PLANT HEIGHT (IN.)
39	MT 23130	LANNING/MT 1934	96.8	60.5	14.3	25.5
22	MT 22182	DAGMAR/MT 1617	96.5	59.0	14.6	30.0
23	MT 22205	LANNING/MT0945/MT 1807	96.1	59.3	14.7	27.0
16	MT 21074	MT 1525/MT 1348	95.7	61.6	15.0	29.0
52	MS NOVA	-	95.6	62.1	14.2	28.4
21	MT 22083	DAGMAR/MT 1866	95.5	61.4	14.7	29.9
8	DUCLAIR	Choteau//ND695/MT9433	95.5	59.8	14.4	30.0
38	MT 23205	MT 1857/MT 1817	95.4	60.9	14.7	28.8
12	WB 9879 CLP	Choteau*3//Choteau/IMI8134	94.1	59.4	14.9	28.9
2	ROCKER	-	94.1	62.8	14.7	30.0
30	MT 23110	DAGMAR/MT 1939	93.4	60.5	14.9	28.4
48	LCS BOOM	-	93.4	63.1	14.9	27.6
36	MT 23084	DAGMAR/MT 1807	93.0	60.3	15.4	27.3
43	MT 23297	DAGMAR/NDHRS16-14-41	92.2	60.0	14.9	29.3
58	AP GUNSMOKE CL2	-	91.7	61.2	15.7	28.9
56	SY LONGMIRE	-	91.6	61.3	14.8	29.2
59	AP ELEVATE	-	89.4	61.1	14.8	27.6
55	PG PREDATOR	-	88.5	61.1	15.0	26.9
3	WB GUNNISON	Conan/Agawam	87.6	62.4	13.9	28.0
51	AAC CONCORD	-	86.3	59.8	15.3	34.3
57	AP SMITH	-	85.4	61.6	14.7	26.3
4	THATCHER	Marquis/lumillo durum // Marquis/Kanred	83.8	58.9	14.7	39.2
62	WB 9668	-	78.4	60.6	16.3	22.7
MEAN			99.6	60.6	14.5	29.0
C.V.			4.8	0.9	1.5	3.8
PROBABILITY			<0.001	<0.001	<0.001	<0.001
LSD(0.05)			6.5	0.7	0.3	1.4
LATTICE RE(%) ¹⁾			141.1	185.8	114.1	163.3

1) Adjusted means provided for Lattice RE% values equal to or greater than 105%

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2025 ADVANCED SPRING WHEAT NURSERY, KALISPELL (HIGH RAINFALL), (Collaborator:David Larson, NWARC)

ENTRY	VARIETY	PEDIGREE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	PROTEIN (%)	HEADING DATE (JULIAN)	PLANT HEIGHT (IN.)	TKW (g)	GLD ¹⁾ (DAYS)	RUST (%)	LODGI NG (%)	FALLING NUMBER
63	CP3055	-	154.5	63.6	13.0	181.5	32.5	36.7	40.3	0.0	8.3	252
33	MT 23127	MT 1872/MT 1939	141.6	63.7	14.5	175.6	36.1	37.5	41.0	23.3	33.9	369
30	MT 23110	DAGMAR/MT 1939	141.1	64.2	14.3	170.4	37.8	39.4	42.8	10.0	14.1	270
23	MT 22205	LANNING/MT0945/MT 1807	138.6	63.2	15.6	171.4	34.7	39.4	42.2	6.7	0.0	332
64	CP3119A	-	135.7	61.5	13.2	183.8	41.3	39.6	33.9	3.3	0.0	179
38	MT 23205	MT 1857/MT 1817	134.7	63.5	14.7	175.5	36.3	38.6	42.3	23.3	37.1	358
43	MT 23297	DAGMAR/NDHRS16-14-41	134.1	62.4	15.1	178.3	38.0	35.9	38.8	0.0	19.6	354
60	AP DAGR	-	134.0	63.8	14.0	174.8	33.0	38.2	39.4	6.7	4.2	399
13	MT DUTTON	Vida/Elgin-ND	133.8	62.1	15.8	175.5	39.4	35.0	42.5	6.7	45.3	404
15	MT UBET	Lanning/MT 1338	133.4	63.4	15.0	173.1	35.6	38.0	39.8	26.7	24.8	295
36	MT 23084	DAGMAR/MT 1807	133.1	63.8	15.7	171.7	35.1	41.5	43.2	13.3	4.8	436
22	MT 22182	DAGMAR/MT 1617	132.8	62.6	15.0	171.2	37.9	37.1	42.5	10.0	58.2	405
32	MT 23116	DAGMAR/MT 1815	132.5	63.0	14.5	173.0	35.6	37.0	43.7	10.0	29.6	370
59	AP ELEVATE	-	131.2	64.8	14.6	174.9	34.6	38.0	35.4	16.7	1.7	427
47	LCS ASCENT	-	130.7	63.8	14.5	170.6	36.0	36.6	42.1	0.0	35.8	289
14	MT CARLSON	Lanning/MT1531	130.1	63.2	14.7	172.4	36.4	38.5	40.8	20.0	36.4	365
34	MT 23133	LANNING/MT 1934	130.0	63.6	15.3	168.9	33.5	34.2	41.1	13.3	0.9	376
46	MT 23385	MT 1866/VIDA/SxD3 (1052)	129.8	63.6	15.1	177.1	40.8	34.6	41.7	6.7	52.3	373
9	LANNING	Glenn/MT0747	129.7	63.3	15.5	172.1	36.3	40.7	41.7	16.7	15.8	288
17	MT 21174	DAGMAR/MT1142/MT1225	128.9	64.0	14.8	173.0	41.1	34.4	44.8	46.7	42.8	400
11	DAGMAR	MT1133/MT1148	128.5	64.2	15.7	172.0	37.5	37.1	45.2	23.3	47.7	386
55	PG PREDATOR	-	128.4	64.5	14.4	175.1	33.5	38.0	37.1	13.3	4.4	466
29	MT 23098	DAGMAR/MT 1904	127.4	63.2	15.6	173.7	36.0	36.6	45.6	3.3	79.3	286
61	AP ICONIC	-	127.3	64.3	14.5	174.3	36.3	34.5	38.0	20.0	14.2	387
48	LCS BOOM	-	127.1	64.7	15.2	169.7	35.7	35.3	37.7	0.0	10.5	344
53	MS CHARGER	-	127.0	63.5	13.0	172.7	36.2	35.7	43.8	16.7	55.7	395
39	MT 23130	LANNING/MT 1934	126.4	62.6	15.1	168.8	32.7	36.5	41.0	23.3	9.3	373
12	WB 9879 CLP	Choteau*3//Choteau/IMI8134	126.2	63.3	14.7	175.1	36.5	35.6	40.9	30.0	30.7	364
7	VIDA	Scholar/Reeder	126.2	63.1	14.9	175.6	37.3	38.7	43.3	16.7	47.0	335
26	MT 23052	MT 1866/MT 1673	125.8	62.5	14.7	173.6	35.4	33.3	45.5	20.0	43.1	321
35	MT 23184	MT 1857/MT 1673	125.8	64.0	15.2	171.9	35.2	34.8	44.7	26.7	9.3	301
41	MT 23265	DAGMAR/MT 1866	125.7	61.1	15.2	175.7	38.1	38.0	44.6	3.3	55.0	332
25	MT 23039	MT 1872/MT 1907	125.6	63.4	14.7	173.3	35.6	35.4	45.1	20.0	1.5	338
62	WB 9668	-	125.6	63.0	15.7	171.9	29.8	36.4	40.4	3.3	1.4	454
27	MT 23067	DAGMAR/NDHRS16-14-41	125.4	64.3	15.4	171.3	33.6	38.9	43.6	3.3	1.3	319
45	MT 23275	MT 1872/MT 1824	124.2	63.7	14.3	172.4	36.1	39.1	46.2	10.0	54.9	322
57	AP SMITH	-	123.4	64.6	14.9	175.0	35.6	37.1	41.9	6.7	6.0	408
8	DUCLAIR	Choteau//ND695/MT9433	122.8	62.6	15.1	171.4	36.1	36.3	44.9	3.3	44.7	335
49	LCS SENTRY	-	122.8	64.2	14.6	172.1	39.5	40.5	39.4	0.0	6.8	429
37	MT 23204	MT 1857/MT 1817	122.5	63.4	15.1	173.8	37.8	38.0	39.1	30.0	25.3	346
2	ROCKER	-	122.5	63.4	14.5	176.1	35.5	34.5	41.9	63.3	43.9	366

2025 ADVANCED SPRING WHEAT NURSERY, KALISPELL (HIGH RAINFALL), (Collaborator:David Larson, NWARC) (CONT.)

ENTRY	VARIETY	PEDIGREE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	PROTEIN (%)	HEADING DATE (JULIAN)	KERNEL WEIGHT (G)	TKW (g)	GLD ¹⁾ (DAYS)	RUST (%)	LOD GING (%)	FALLING NUMBER
28	MT 23085	DAGMAR/MT 1807	121.9	62.7	16.0	174.2	37.3	36.8	41.6	6.7	42.6	394
1	SY ROCKFORD	-	121.8	62.8	14.4	176.4	35.7	39.4	37.9	26.7	21.9	431
19	MT 21487	Dagmar/BC1-80	121.8	63.0	14.6	174.4	36.9	35.9	43.6	40.0	65.5	433
56	SY LONGMIRE	-	121.7	64.4	15.2	174.0	34.7	37.7	39.1	13.3	7.2	450
20	MT 22073	LANNING/MT 1806	121.5	62.7	15.7	171.0	36.1	35.8	39.4	40.0	9.6	411
42	MT 23294	LANNING/MT 1904	121.3	64.0	15.3	176.3	34.3	37.2	41.8	23.3	44.4	284
16	MT 21074	MT 1525/MT 1348	120.8	63.7	15.3	175.8	33.9	40.6	41.0	30.0	1.5	364
40	MT 23241	DAGMAR/MT 1866	120.2	62.4	15.0	175.7	36.8	38.0	44.8	10.0	73.3	352
18	MT 21484	Dagmar/BC1-52	119.7	63.2	15.7	173.5	37.6	39.1	47.0	10.0	87.5	410
5	REEDER	IAS#4/H567.71//Stoa/3/ND674	119.6	64.0	15.7	175.8	39.8	34.6	43.7	6.7	11.5	416
52	MS NOVA	-	119.2	64.0	14.8	171.7	34.9	35.0	39.2	0.0	27.5	423
58	AP GUNSMOKE CL2	-	119.0	63.4	15.9	174.2	36.3	35.9	42.5	30.0	27.0	474
54	ND STAMPEDE	-	118.2	62.8	13.8	174.5	38.3	36.5	40.5	53.3	29.4	427
31	MT 23113	MT 1856/MT 1672/MT1133/CHOTEAU/YELLOWSTONE	118.1	63.3	15.8	173.5	36.3	35.2	41.6	0.0	29.9	364
44	MT 23339	MT 1815/MT 1934	117.8	63.0	15.1	174.6	36.3	38.3	43.1	6.7	75.2	400
6	McNEAL	RS6880/Glenman	117.1	62.8	14.1	176.5	39.6	37.3	37.0	26.7	46.3	492
21	MT 22083	DAGMAR/MT 1866	116.9	63.7	15.0	170.2	35.6	36.0	44.2	26.7	30.5	365
51	AAC CONCORD	-	115.8	62.9	15.7	176.2	43.4	39.9	38.2	6.7	42.3	429
24	MT 22345	DAGMAR/MN14105-7	115.5	61.6	14.7	174.2	35.5	35.3	42.3	0.0	25.4	420
3	WB GUNNISON	Conan/Agawam	112.3	64.1	13.6	174.8	34.3	38.6	42.7	40.0	4.8	386
50	MS RANCHERO	-	108.6	62.5	14.2	179.0	43.6	38.0	37.4	3.3	57.5	390
10	NS PRESSER CLP	Vida//8209-1/Vida	107.1	61.8	14.7	178.7	40.0	35.9	42.1	36.7	72.1	361
4	THATCHER	Marquis/lumillo durum // Marquis/Kanred	82.9	60.9	15.6	175.3	45.2	42.3	39.6	36.7	86.8	383
MEAN			125.1	63.3	14.9	174.1	36.6	37.2	41.6	16.7	30.8	372
C.V.			6.2	1.0	2.4	0.6	6.8	9.4	4.6	75.4	71.6	9
PROBABILITY			<0.001	<0.001	<0.001	<0.001	<0.001	NS	<0.001	<0.001	<0.001	<0.001
LSD(0.05)			12.3	1.0	0.6	1.7	4.1	-	2.9	20.5	33.9	55
LATTICE RE(%) ²			101	101	104	119	97	95	115	99	111	96

1) GLD=green leaf duration (stay-green)

2) Adjusted means provided for Lattice RE% values equal to or greater than 105%

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2025 ADVANCED SPRING WHEAT NURSERY, SIDNEY (IRRI), (Collaborator : Chengci Chen, EARC)

ENTRY	VARIETY	PEDIGREE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	PROTEIN (%)	HEADING DATE (JULIAN)	PLANT HEIGHT (IN.)	LODGING (0-9)
33	MT 23127	MT 1872/MT 1939	115.6	62.8	14.1	171.3	32.8	2.1
28	MT 23085	DAGMAR/MT 1807	114.9	62.7	14.3	168.3	34.9	2.9
12	WB 9879 CLP	Choteau*3//Choteau/IMI8134	114.8	63.1	13.9	170.3	33.4	1.6
61	AP ICONIC	-	114.4	64.1	13.2	168.7	33.7	1.6
14	MT CARLSON	Lanning/MT1531	113.6	62.5	13.3	169.0	32.9	2.7
25	MT 23039	MT 1872/MT 1907	113.4	62.7	13.8	168.7	33.2	2.3
40	MT 23241	DAGMAR/MT 1866	113.4	63.4	13.7	170.0	34.0	2.0
49	LCS SENTRY	-	112.2	64.4	13.0	168.3	36.3	1.5
47	LCS ASCENT	-	111.7	64.4	13.2	167.0	33.9	4.0
54	ND STAMPEDE	-	111.6	64.1	14.1	168.0	33.8	1.7
59	AP ELEVATE	-	111.3	64.2	13.8	169.7	31.0	1.1
37	MT 23204	MT 1857/MT 1817	111.2	63.2	13.8	169.0	34.2	0.9
41	MT 23265	DAGMAR/MT 1866	111.1	63.0	13.2	169.0	37.0	1.6
53	MS CHARGER	-	111.0	63.8	12.4	168.3	30.8	4.8
38	MT 23205	MT 1857/MT 1817	110.8	63.9	13.8	172.0	34.7	6.3
63	CP3055	-	110.7	62.9	12.6	175.7	34.6	0.3
29	MT 23098	DAGMAR/MT 1904	110.7	63.7	13.7	168.7	34.3	3.7
16	MT 21074	MT 1525/MT 1348	110.4	64.7	13.6	172.0	33.9	0.1
58	AP GUNSMOKE CL2	-	110.3	63.3	14.0	169.7	33.9	2.5
19	MT 21487	Dagmar/BC1-80	109.9	63.9	14.2	168.3	34.6	4.0
18	MT 21484	Dagmar/BC1-52	109.8	63.8	14.4	168.0	36.4	2.8
1	SY ROCKFORD	-	109.6	63.2	13.3	171.3	34.3	2.2
15	MT UBET	Lanning/MT 1338	109.5	63.2	14.1	168.7	32.6	3.5
23	MT 22205	LANNING/MT0945/MT 1807	109.5	62.4	14.1	167.3	32.9	1.0
45	MT 23275	MT 1872/MT 1824	109.1	63.5	13.6	168.0	34.4	4.9
32	MT 23116	DAGMAR/MT 1815	109.1	62.1	13.6	167.3	33.3	1.2
17	MT 21174	DAGMAR//MT1142/MT1225	108.6	63.2	14.7	168.3	36.4	1.8
30	MT 23110	DAGMAR/MT 1939	108.4	63.1	14.5	166.0	34.0	3.6
24	MT 22345	DAGMAR/MN14105-7	108.4	62.8	13.6	169.0	33.6	3.7
13	MT DUTTON	Vida/Elgin-ND	108.2	62.7	14.7	170.0	33.9	2.6
20	MT 22073	LANNING/MT 1806	108.2	62.1	15.0	168.0	33.2	3.6
50	MS RANCHERO	-	108.2	63.5	13.4	169.3	36.2	1.4
43	MT 23297	DAGMAR/NDHRS16-14-41	108.0	62.9	14.0	171.3	34.6	0.0
34	MT 23133	LANNING/MT 1934	108.0	63.5	14.3	167.0	31.8	1.5
56	SY LONGMIRE	-	107.9	64.0	13.8	169.3	32.4	1.1
52	MS NOVA	-	107.7	64.1	14.3	167.7	34.5	2.6
44	MT 23339	MT 1815/MT 1934	107.5	63.2	14.5	170.0	34.7	4.5
7	VIDA	Scholar/Reeder	107.4	63.0	14.2	170.7	34.2	5.1
36	MT 23084	DAGMAR/MT 1807	107.3	63.1	14.6	167.7	33.3	0.7
9	LANNING	Glenn/MT0747	107.2	63.5	14.7	167.3	32.8	1.9
8	DUCLAIR	Choteau//ND695/MT9433	107.1	62.5	13.8	167.7	33.2	3.7
11	DAGMAR	MT1133/MT1148	107.1	63.3	14.3	168.0	35.7	2.3

2025 ADVANCED SPRING WHEAT NURSERY, SIDNEY (IRRI), (Collaborator : Chengci Chen, EARC) (CONT.)

ENTRY	VARIETY	PEDIGREE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	PROTEIN (%)	HEADING DATE (JULIAN)	PLANT HEIGHT (IN.)	LODGING (0-9)
26	MT 23052	MT 1866/MT 1673	107.1	64.4	13.8	168.7	31.6	2.7
57	AP SMITH	-	106.8	64.3	14.1	170.7	30.8	0.1
5	REEDER	IAS#4/H567.71//Stoa/3/ND674	106.7	63.9	13.8	168.7	37.0	0.5
55	PG PREDATOR	-	106.4	63.8	13.9	170.7	31.7	2.0
60	AP DAGR	-	106.2	63.4	12.7	170.7	30.3	2.5
35	MT 23184	MT 1857/MT 1673	105.8	64.4	14.2	168.3	31.5	3.2
42	MT 23294	LANNING/MT 1904	105.6	64.1	14.8	172.3	34.5	6.3
27	MT 23067	DAGMAR/NDHRS16-14-41	105.1	63.2	14.6	167.3	31.7	0.0
2	ROCKER	-	104.9	64.3	14.1	171.7	33.5	1.4
31	MT 23113	MT 1855//MT 1572/MT1133//CHOTEAU/YELLOWSTONE	104.9	63.1	14.2	168.3	33.7	1.4
21	MT 22083	DAGMAR/MT 1866	104.8	64.4	14.5	166.3	33.5	1.6
10	NS PRESSER CLP	Vida//8209-1/Vida	103.3	62.3	13.8	172.7	37.7	3.9
48	LCS BOOM	-	102.7	64.8	13.8	166.3	33.5	1.5
22	MT 22182	DAGMAR/MT 1617	102.7	61.0	13.6	166.7	35.1	3.0
46	MT 23385	MT 1866//VIDA/SxD3 (1052)	101.1	62.6	14.4	171.7	35.2	1.7
64	CP3119A	-	100.9	61.6	13.1	176.0	35.1	0.1
39	MT 23130	LANNING/MT 1934	99.6	62.3	14.2	166.7	31.5	5.0
3	WB GUNNISON	Conan/Agawam	96.4	63.2	12.9	168.3	31.4	1.3
6	McNEAL	RS6880/Glenman	94.3	62.3	14.1	172.3	36.1	3.7
51	AAC CONCORD	-	92.4	62.3	14.2	172.0	38.6	7.6
62	WB 9668	-	90.6	62.8	15.1	168.0	27.9	0.4
4	THATCHER	Marquis/lumillo durum // Marquis/Kanred	84.5	61.5	14.0	173.3	41.7	9.0
MEAN			107.1	63.3	13.9	169.3	33.9	2.5
C.V.			5.3	0.5	2.9	0.4	3.3	46.2
PROBABILITY			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
LSD(0.05)			7.2	0.4	0.6	1.0	1.8	1.8
LATTICE RE(%) ¹⁾			164.9	113.5	102.6	102.8	102.6	105.1

1) Adjusted means provided for Lattice RE% values equal to or greater than 105%

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

**2025 OVERALL AGRONOMIC SUMMARY FOR SPRING WHEAT OFF-STATION NURSERY
GROWN UNDER RAIN FED CONDITION ACROSS MONTANA**

ENTRY	VARIETY / LINE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	GRAIN PROTEIN (%)	HEADING DATE (JULIAN)	HEIGHT (INCHES)	SAWFLY CUT (%)
19	MT 21484	55.5	61.4	15.0	170.3	27.6	5.7
2	DAGMAR	53.9	61.5	15.2	169.0	28.0	5.9
15	MT CARLSON	53.8	61.2	14.4	169.7	27.4	16.4
10	VIDA	53.4	61.0	14.3	174.0	28.2	14.2
6	ROCKER	53.0	62.2	14.8	174.3	27.7	8.4
17	MT 21074	52.8	62.2	15.2	174.7	26.8	2.4
20	MT 21487	52.5	61.5	14.8	170.7	28.0	5.7
14	MT DUTTON	52.3	60.4	14.9	172.7	27.5	13.8
23	MT 22182	50.5	59.4	14.6	169.0	27.6	3.7
16	MT UBET	50.1	61.1	14.7	170.0	26.5	31.0
12	WB 9879CLP	50.0	60.9	15.1	172.0	26.9	2.6
24	MT 22205	50.0	60.7	14.8	168.3	26.6	16.3
4	LCS ASCENT	49.4	62.2	14.1	168.7	28.1	39.3
8	SY LONGMIRE	49.3	62.0	14.9	172.7	27.2	13.6
7	ND STAMPEDE	49.1	60.7	14.8	171.0	27.8	44.6
22	MT 22083	48.7	62.2	14.8	168.7	27.9	13.5
25	MT 22345	48.5	60.0	14.4	173.0	26.8	24.4
13	WB GUNNISON	48.3	61.2	14.4	172.3	26.6	3.1
5	REEDER	47.5	61.7	14.8	173.0	28.3	34.9
21	MT 22073	47.3	59.4	15.5	169.0	26.8	23.7
9	SY ROCKFORD	46.7	60.2	14.8	174.7	27.9	26.4
3	LANNING	46.3	61.0	15.2	170.0	27.0	45.5
1	AP SMITH	42.2	61.0	15.1	173.7	25.0	32.7
11	WB 9668	39.5	61.1	16.2	168.0	23.3	12.4
MEAN		49.7	61.1	14.8	171.2	27.2	18.3
C.V.		11.3	1.0	2.6	0.4	3.5	65.8
PROBABILITY		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
LSD(0.05)		9.0	1.0	0.6	1.3	1.5	13.8
No. of environments		13	13	13	1	13	6

Entry 18 (MT 21174) was excluded dur to miss planting

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

**2025 OVERALL AGRONOMIC SUMMARY FOR SPRING WHEAT OFF-STATION NURSERY GROWN UNDER IRRI
/ HIGH RAINFALL CONDITION ACROSS MONTANA**

ENTRY	VARIETY / LINE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	GRAIN PROTEIN (%)	HEADING DATE (JULIAN)	HEIGHT (INCHES)
6	ROCKER	<u>106.5</u>	61.3	14.0	178.0	32.7
14	MT DUTTON	104.1	60.7	14.2	177.3	31.9
23	MT 22182	102.9	60.5	13.8	176.7	33.4
15	MT CARLSON	102.3	61.5	13.9	177.0	31.8
4	LCS ASCENT	101.9	62.3	13.1	176.7	32.2
7	ND STAMPEDE	101.4	61.6	14.0	177.0	33.3
19	MT 21484	100.4	61.7	14.4	<u>175.7</u>	34.1
24	MT 22205	100.4	60.7	14.2	176.0	29.9
2	DAGMAR	100.3	61.7	14.2	<u>175.7</u>	33.0
25	MT 22345	100.2	61.0	13.5	177.0	32.7
16	MT UBET	98.9	61.3	14.1	176.3	31.7
3	LANNING	98.6	61.1	14.8	177.3	31.7
10	VIDA	98.5	60.5	13.5	177.0	33.1
20	MT 21487	97.0	61.9	14.2	176.7	33.4
8	SY LONGMIRE	96.4	61.9	14.1	176.3	32.2
17	MT 21074	96.0	59.3	14.3	177.7	32.2
12	WB 9879CLP	95.9	61.3	14.2	176.7	32.2
9	SY ROCKFORD	95.5	61.2	13.6	178.0	32.7
13	WB GUNNISON	95.1	61.7	13.1	176.7	31.2
5	REEDER	94.4	61.2	14.3	178.0	<u>34.7</u>
21	MT 22073	93.9	60.4	14.9	176.3	31.1
22	MT 22083	92.4	<u>62.4</u>	14.4	176.7	33.1
11	WB 9668	90.4	61.8	<u>15.3</u>	177.0	27.8
1	AP SMITH	87.5	62.0	14.3	178.0	29.9
MEAN		98.0	61.3	14.1	176.9	32.1
C.V.		6.6	2.3	3.2	0.5	3.1
PROBABILITY		<0.05	ns	<0.001	<0.05	<0.001
LSD (0.05)		9.2	-	0.6	1.5	1.4
No. of environments		4	4	4	1	4

Entry 18 (MT 21174) was excluded dur to miss planting

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2025 OVERALL AGRONOMIC SUMMARY FOR SPRING WHEAT OFF-STATION NURSERY GROWN IN 17 ENVIRONMENTS, INCLUDING 13 DRYLAND AND 4 IRRIGATED ENVIRONMENTS ACROSS MONTANA

ENTRY	VARIETY / LINE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	GRAIN PROTEIN (%)	HEADING DATE (JULIAN)	HEIGHT (INCHES)	SAWFLY CUT (%)
19	MT 21484	<u>66.1</u>	61.5	14.8	173.0	29.1	5.7
6	ROCKER	65.6	62.0	14.6	176.2	28.9	8.4
15	MT CARLSON	65.2	61.3	14.3	173.4	28.4	16.4
2	DAGMAR	64.8	61.6	15.0	172.4	29.2	5.9
14	MT DUTTON	64.5	60.5	14.8	175.0	28.5	13.8
10	VIDA	64.0	60.9	14.1	175.5	29.4	14.2
17	MT 21074	63.0	61.5	15.0	176.2	28.0	<u>2.4</u>
20	MT 21487	62.9	61.6	14.7	173.7	29.3	5.7
23	MT 22182	62.8	59.7	14.4	172.9	28.9	3.7
24	MT 22205	61.9	60.7	14.7	172.2	27.4	16.3
4	LCS ASCENT	61.8	62.2	13.8	172.7	29.1	39.3
16	MT UBET	61.6	61.1	14.5	173.2	27.7	31.0
7	ND STAMPEDE	61.4	60.9	14.6	174.0	29.1	44.6
12	WB 9879CLP	60.8	61.0	14.9	174.4	28.2	2.6
25	MT 22345	60.6	60.3	14.2	175.0	28.2	24.4
8	SY LONGMIRE	60.4	61.9	14.7	174.5	28.3	13.6
13	WB GUNNISON	59.3	61.4	14.1	174.5	27.7	3.1
22	MT 22083	59.0	<u>62.3</u>	14.7	172.7	29.1	13.5
3	LANNING	58.6	61.0	15.1	173.7	28.1	45.5
5	REEDER	58.5	61.6	14.7	175.5	<u>29.8</u>	34.9
21	MT 22073	58.2	59.6	15.3	172.7	27.8	23.7
9	SY ROCKFORD	58.2	60.4	14.5	176.4	29.0	26.4
11	WB 9668	54.0	61.3	<u>15.9</u>	172.5	24.6	12.4
1	AP SMITH	52.9	61.3	14.9	175.9	26.2	32.7
MEAN		61.1	61.1	14.7	174.1	28.4	18.3
C.V.		9.5	1.4	2.7	0.7	3.5	65.8
PROBABILITY		<0.001	<0.001	<0.001	<0.05	<0.001	<0.001
LSD (0.05)		9.3	1.4	0.7	2.7	0.8	13.8
No. of environments		17	17	17	2	17	6

Entry 18 (MT 21174) was excluded dur to miss planting

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2025 OFF-STATION : KALISPELL (HIGH RAINFALL) : 9905

ENTRY	VARIETY	PEDIGREE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	PROTEIN (%)	HEADING DATE (JULIAN)	PLANT HEIGHT (IN.)	TKW1) (G)
15	MT CARLSON	Lanning/MT1531	<u>100.5</u>	62.2	13.6	177.0	30.1	37.5
10	VIDA	Scholar/Reeder	100.3	63.1	12.1	177.0	32.0	33.4
6	ROCKER	-	99.6	62.9	13.1	178.0	31.3	28.2
22	MT 22083	DAGMAR/MT 1866	99.0	<u>63.8</u>	13.9	176.7	<u>34.9</u>	37.7
23	MT 22182	DAGMAR/MT 1617	98.4	61.5	12.9	176.7	32.7	32.4
14	MT DUTTON	Vida/Elgin-ND	98.2	62.5	12.9	177.3	31.3	32.4
19	MT 21484	Dagmar/BC1-52	97.8	62.9	13.6	<u>175.7</u>	33.3	37.9
4	LCS ASCENT	-	95.5	<u>63.8</u>	12.1	176.7	33.1	32.2
25	MT 22345	DAGMAR/MN14105-7	94.7	62.4	12.7	177.0	31.0	34.9
9	SY ROCKFORD	-	94.4	63.1	12.2	178.0	32.0	34.3
5	REEDER	IAS#4/H567.71//Stoa/3/ND674	94.3	63.7	13.1	178.0	33.6	34.1
13	WB GUNNISON	Conan/Agawam	93.4	63.1	12.5	176.7	30.4	<u>39.4</u>
24	MT 22205	LANNING/MT0945/MT 1807	93.3	63.0	12.2	176.0	27.5	33.9
3	LANNING	Glenn/MT0747	92.4	62.8	13.4	177.3	31.0	37.0
7	ND STAMPEDE	-	92.1	61.8	12.7	177.0	31.5	31.4
2	DAGMAR	MT1133/MT1148	91.8	63.2	13.7	<u>175.7</u>	31.5	39.0
8	SY LONGMIRE	-	90.6	63.5	13.6	176.3	32.0	34.0
20	MT 21487	Dagmar/BC1-80	87.9	62.6	12.9	176.7	32.0	34.9
17	MT 21074	MT 1525/MT 1348	87.3	62.5	13.3	177.7	31.8	34.3
11	WB 9668	-	84.1	62.5	<u>14.9</u>	177.0	24.3	33.3
1	AP SMITH	-	81.0	63.7	14.2	178.0	28.6	33.5
16	MT UBET	Lanning/MT 1338	80.1	62.2	13.2	176.3	29.7	37.4
21	MT 22073	LANNING/MT 1806	79.7	60.8	14.1	176.3	29.9	31.8
12	WB 9879CLP	Choteau*3//Choteau/IMI8134	79.0	62.1	13.7	176.7	30.4	32.6
MEAN			91.9	62.7	13.2	176.9	31.1	34.5
C.V.			15.0	0.8	7.7	0.5	4.9	5.3
PROBABILITY			ns	<0.001	ns	<0.05	<0.001	<0.001
LSD(0.05)			-	0.8	-	1.5	2.5	3.0

Entry 18 (MT 21174) was excluded dur to miss planting

1) TKW=thousand kernel weight

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2025 OFF-STATION : BILLINGS (DRY) : 9994

ENTRY	VARIETY	PEDIGREE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	PROTEIN (%)	PLANT HEIGHT (IN.)
15	MT CARLSON	Lanning/MT1531	<u>35.3</u>	63.5	11.3	21.2
10	VIDA	Scholar/Reeder	34.2	62.6	11.1	22.0
5	REEDER	IAS#4/H567.71//Stoa/3/ND674	34.1	63.8	12.0	23.1
8	SY LONGMIRE	-	33.8	63.5	11.7	22.7
22	MT 22083	DAGMAR/MT 1866	33.1	63.3	11.8	22.1
12	WB 9879CLP	Choteau*3//Choteau/IMI8134	32.9	63.2	11.8	23.1
4	LCS ASCENT	-	32.8	<u>64.2</u>	11.9	22.7
13	WB GUNNISON	Conan/Agawam	32.4	63.3	12.1	21.2
7	ND STAMPEDE	-	32.2	63.4	11.7	22.3
17	MT 21074	MT 1525/MT 1348	32.0	63.5	11.5	22.5
25	MT 22345	DAGMAR/MN14105-7	31.6	62.7	11.6	19.6
6	ROCKER	-	31.3	63.7	12.0	22.4
21	MT 22073	LANNING/MT 1806	31.3	61.4	12.1	22.0
14	MT DUTTON	Vida/Elgin-ND	31.2	61.7	11.9	21.0
24	MT 22205	LANNING/MT0945/MT 1807	31.1	62.8	11.7	21.3
9	SY ROCKFORD	-	30.9	62.3	11.7	<u>24.7</u>
2	DAGMAR	MT1133/MT1148	30.8	62.8	12.2	21.3
19	MT 21484	Dagmar/BC1-52	30.7	62.5	12.1	21.5
20	MT 21487	Dagmar/BC1-80	30.6	64.0	11.5	22.8
16	MT UBET	Lanning/MT 1338	30.5	62.8	11.3	21.6
3	LANNING	Glenn/MT0747	30.1	62.8	11.9	20.2
1	AP SMITH	-	28.2	63.5	12.2	20.9
23	MT 22182	DAGMAR/MT 1617	27.8	62.1	11.7	21.4
11	WB 9668	-	23.6	<u>64.2</u>	<u>14.3</u>	18.9
MEAN			31.3	63.1	11.9	21.8
C.V.			9.6	1.3	3.8	4.4
PROBABILITY			<0.01	<0.01	<0.001	<0.001
LSD(0.05)			5.0	1.3	0.7	1.6

Entry 18 (MT 21174) was excluded dur to miss planting

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2024 OFF-STATION : FROMBERG (IRRI) : 9997

ENTRY	VARIETY	PEDIGREE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	PROTEIN (%)	PLANT HEIGHT (IN.)
16	MT UBET	Lanning/MT 1338	126.9	62.1	11.9	36.3
23	MT 22182	DAGMAR/MT 1617	118.9	62.2	11.6	37.1
3	LANNING	Glenn/MT0747	118.5	61.6	12.6	34.4
7	ND STAMPEDE	-	118.2	63.2	11.4	37.0
24	MT 22205	LANNING/MT0945/MT 1807	117.1	61.8	12.0	34.1
20	MT 21487	Dagmar/BC1-80	115.6	63.3	12.0	36.9
25	MT 22345	DAGMAR/MN14105-7	114.8	61.5	11.2	36.3
6	ROCKER	-	114.6	59.5	11.8	36.4
12	WB 9879CLP	Choteau*3//Choteau/IMI8134	114.3	63.5	11.9	34.6
14	MT DUTTON	Vida/Elgin-ND	114.2	60.7	11.8	33.6
2	DAGMAR	MT1133/MT1148	113.2	62.6	11.0	34.7
15	MT CARLSON	Lanning/MT1531	113.1	63.2	11.1	34.8
19	MT 21484	Dagmar/BC1-52	112.5	62.5	11.4	36.5
4	LCS ASCENT	-	110.7	62.8	10.9	34.8
22	MT 22083	DAGMAR/MT 1866	110.3	63.4	11.8	34.4
11	WB 9668	-	108.8	63.4	12.1	30.5
21	MT 22073	LANNING/MT 1806	108.5	61.7	12.5	33.6
9	SY ROCKFORD	-	107.6	61.9	11.4	35.0
13	WB GUNNISON	Conan/Agawam	107.1	61.0	11.5	33.5
5	REEDER	IAS#4/H567.71//Stoa/3/ND674	101.5	58.3	11.9	39.5
1	AP SMITH	-	101.2	62.1	11.5	32.0
8	SY LONGMIRE	-	100.3	61.3	11.0	33.9
17	MT 21074	MT 1525/MT 1348	99.0	52.6	11.8	34.5
10	VIDA	Scholar/Reeder	98.3	57.9	11.0	35.2
MEAN			111.0	61.4	11.6	35.0
C.V.			11.4	3.5	8.0	5.0
PROBABILITY			ns	<0.001	ns	<0.001
LSD(0.05)			-	3.6	-	2.9

Entry 18 (MT 21174) was excluded dur to miss planting

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2025 OFF-STATION : HYSHAM (IRRI) : 9996

ENTRY	VARIETY	PEDIGREE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	PROTEIN (%)	PLANT HEIGHT (IN.)
14	MT DUTTON	Vida/Elgin-ND	<u>94.6</u>	57.8	15.6	33.2
4	LCS ASCENT	-	94.4	59.4	14.5	32.2
19	MT 21484	Dagmar/BC1-52	94.1	58.5	16.2	<u>35.8</u>
2	DAGMAR	MT1133/MT1148	93.0	58.4	15.9	35.3
24	MT 22205	LANNING/MT0945/MT 1807	92.3	56.8	15.9	31.0
3	LANNING	Glenn/MT0747	90.8	57.6	16.7	32.7
6	ROCKER	-	90.2	59.6	15.5	33.6
23	MT 22182	DAGMAR/MT 1617	89.3	56.3	15.1	34.1
20	MT 21487	Dagmar/BC1-80	89.1	59.0	15.4	34.6
10	VIDA	Scholar/Reeder	88.9	58.8	15.1	34.9
16	MT UBET	Lanning/MT 1338	88.5	58.4	15.6	32.3
8	SY LONGMIRE	-	87.3	<u>59.8</u>	16.0	32.4
25	MT 22345	DAGMAR/MN14105-7	85.2	59.0	14.8	33.0
12	WB 9879CLP	Choteau*3//Choteau/IMI8134	84.8	57.2	15.7	33.4
17	MT 21074	MT 1525/MT 1348	83.7	58.9	16.1	32.7
7	ND STAMPEDE	-	83.5	58.8	15.5	34.3
9	SY ROCKFORD	-	82.5	58.1	15.1	33.2
5	REEDER	IAS#4/H567.71//Stoa/3/ND674	82.2	59.6	16.0	35.5
21	MT 22073	LANNING/MT 1806	81.6	57.2	16.3	32.3
15	MT CARLSON	Lanning/MT1531	80.5	57.5	15.9	32.2
13	WB GUNNISON	Conan/Agawam	77.5	59.6	14.6	31.5
1	AP SMITH	-	75.6	59.5	16.3	30.3
22	MT 22083	DAGMAR/MT 1866	74.0	59.3	15.8	33.6
11	WB 9668	-	73.0	58.2	<u>16.9</u>	30.2
MEAN			85.7	58.5	15.7	33.1
C.V.			8.5	1.1	2.1	4.8
PROBABILITY			<0.05	<0.001	<0.001	<0.001
LSD(0.05)			12.0	1.1	0.5	2.6

Entry 18 (MT 21174) was excluded dur to miss planting

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2025 OFF-STATION : MOCCASIN (DRY) : 9970

ENTRY	VARIETY	PEDIGREE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	PROTEIN (%)	HEADING DATE (JULIAN)	PLANT HEIGHT (IN.)	SAWFLY CUT (%)
6	ROCKER	-	<u>62.5</u>	64.9	11.7	174.3	30.3	1.3
10	VIDA	Scholar/Reeder	62.1	62.8	10.9	174.0	31.3	1.3
2	DAGMAR	MT1133/MT1148	59.3	63.6	12.2	169.0	<u>31.7</u>	2.3
19	MT 21484	Dagmar/BC1-52	58.9	63.6	11.5	170.3	30.7	3.0
23	MT 22182	DAGMAR/MT 1617	55.8	61.8	11.9	169.0	31.0	1.7
8	SY LONGMIRE	-	55.6	64.3	12.0	172.7	30.3	8.3
20	MT 21487	Dagmar/BC1-80	54.9	63.4	11.4	170.7	30.7	3.0
17	MT 21074	MT 1525/MT 1348	54.3	<u>65.2</u>	12.4	174.7	28.7	0.7
12	WB 9879CLP	Choteau*3//Choteau/IMI8134	53.4	63.6	12.7	172.0	29.0	0.7
24	MT 22205	LANNING/MT0945/MT 1807	53.0	62.6	11.0	168.3	27.7	7.3
14	MT DUTTON	Vida/Elgin-ND	52.2	62.1	11.5	172.7	28.7	5.0
13	WB GUNNISON	Conan/Agawam	51.8	63.7	12.0	172.3	29.0	<u>0.0</u>
15	MT CARLSON	Lanning/MT1531	51.7	63.4	11.6	169.7	29.7	8.3
22	MT 22083	DAGMAR/MT 1866	51.4	64.1	12.0	168.7	30.3	11.7
21	MT 22073	LANNING/MT 1806	51.0	61.6	12.0	169.0	29.7	15.0
7	ND STAMPEDE	-	50.7	62.3	11.6	171.0	30.0	20.0
25	MT 22345	DAGMAR/MN14105-7	50.3	61.7	10.8	173.0	29.3	11.7
9	SY ROCKFORD	-	49.8	61.7	11.9	174.7	31.0	16.7
4	LCS ASCENT	-	47.8	63.8	11.9	168.7	30.0	16.7
16	MT UBET	Lanning/MT 1338	46.8	62.4	11.4	170.0	28.7	18.3
5	REEDER	IAS#4/H567.71//Stoa/3/ND674	46.8	63.3	12.4	173.0	31.3	15.0
3	LANNING	Glenn/MT0747	44.8	63.4	12.1	170.0	28.7	35.0
1	AP SMITH	-	39.9	62.8	12.6	173.7	26.0	25.0
11	WB 9668	-	39.0	63.2	<u>13.2</u>	168.0	25.0	10.0
MEAN			51.8	63.1	11.9	171.2	29.5	9.9
C.V.			12.0	0.5	2.7	0.4	3.6	34.7
PROBABILITY			<0.01	<0.001	<0.001	<0.001	<0.001	<0.001
LSD(0.05)			10.2	0.5	0.5	1.3	1.7	5.7

Entry 18 (MT 21174) was excluded dur to miss planting

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2025 OFF-STATION : DENTON (DRY) : 9971

ENTRY	VARIETY	PEDIGREE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	PROTEIN (%)	PLANT HEIGHT (IN.)
15	MT CARLSON	Lanning/MT1531	45.0	63.8	14.1	26.0
19	MT 21484	Dagmar/BC1-52	42.9	63.8	15.1	26.7
25	MT 22345	DAGMAR/MN14105-7	41.8	61.9	14.5	25.7
23	MT 22182	DAGMAR/MT 1617	41.8	62.4	14.1	27.0
4	LCS ASCENT	-	41.2	64.4	14.1	27.3
20	MT 21487	Dagmar/BC1-80	41.0	63.8	14.5	27.0
14	MT DUTTON	Vida/Elgin-ND	40.6	63.4	14.6	26.7
6	ROCKER	-	39.9	63.8	14.9	25.3
21	MT 22073	LANNING/MT 1806	39.6	61.7	14.8	25.3
10	VIDA	Scholar/Reeder	39.0	63.1	14.6	26.3
24	MT 22205	LANNING/MT0945/MT 1807	38.8	63.0	15.1	25.3
2	DAGMAR	MT1133/MT1148	38.2	63.8	15.2	27.0
7	ND STAMPEDE	-	37.9	62.7	14.1	26.0
12	WB 9879CLP	Choteau*3//Choteau/IMI8134	37.1	63.2	15.0	25.0
11	WB 9668	-	36.7	63.6	16.1	24.7
16	MT UBET	Lanning/MT 1338	36.2	63.3	15.1	24.3
22	MT 22083	DAGMAR/MT 1866	35.8	64.3	15.1	27.7
3	LANNING	Glenn/MT0747	35.6	63.3	15.0	26.0
8	SY LONGMIRE	-	35.1	63.8	15.4	26.0
1	AP SMITH	-	35.1	62.5	15.5	23.3
17	MT 21074	MT 1525/MT 1348	34.8	63.2	15.3	23.7
5	REEDER	IAS#4/H567.71//Stoa/3/ND674	34.4	63.8	14.9	25.3
13	WB GUNNISON	Conan/Agawam	30.9	63.1	14.9	24.3
9	SY ROCKFORD	-	29.4	62.0	15.8	25.0
MEAN			37.9	63.2	14.9	25.7
C.V.			9.3	0.5	2.8	4.8
PROBABILITY			<0.001	<0.001	<0.001	<0.01
LSD(0.05)			5.8	0.5	0.7	2.0

Entry 18 (MT 21174) was excluded dur to miss planting

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2025 OFF-STATION : GERALDINE (DRY) : 9972

ENTRY	VARIETY	PEDIGREE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	PROTEIN (%)	PLANT HEIGHT (IN.)
14	MT DUTTON	Vida/Elgin-ND	<u>58.5</u>	63.1	13.8	<u>28.3</u>
24	MT 22205	LANNING/MT0945/MT 1807	57.9	62.1	14.4	27.0
19	MT 21484	Dagmar/BC1-52	56.9	63.2	14.1	27.7
15	MT CARLSON	Lanning/MT1531	55.6	63.5	13.7	27.0
23	MT 22182	DAGMAR/MT 1617	53.0	61.4	14.5	27.3
2	DAGMAR	MT1133/MT1148	52.6	63.0	14.6	28.0
10	VIDA	Scholar/Reeder	52.4	62.4	13.7	27.0
7	ND STAMPEDE	-	52.3	62.7	13.0	27.7
6	ROCKER	-	52.2	63.3	14.7	27.7
4	LCS ASCENT	-	52.0	64.2	14.0	27.7
12	WB 9879CLP	Choteau*3//Choteau/IMI8134	50.9	63.2	13.7	27.0
22	MT 22083	DAGMAR/MT 1866	50.4	<u>64.4</u>	14.2	27.7
16	MT UBET	Lanning/MT 1338	50.4	62.9	14.4	27.7
20	MT 21487	Dagmar/BC1-80	50.3	62.9	14.3	27.7
3	LANNING	Glenn/MT0747	49.8	63.1	14.2	26.7
21	MT 22073	LANNING/MT 1806	49.6	61.2	15.3	27.0
17	MT 21074	MT 1525/MT 1348	48.9	63.1	14.4	27.3
5	REEDER	IAS#4/H567.71//Stoa/3/ND674	48.3	63.7	14.3	27.3
25	MT 22345	DAGMAR/MN14105-7	48.3	60.5	14.4	26.0
8	SY LONGMIRE	-	46.9	63.1	14.8	26.0
11	WB 9668	-	45.1	62.5	<u>15.8</u>	23.3
9	SY ROCKFORD	-	45.0	60.6	15.4	25.3
13	WB GUNNISON	Conan/Agawam	44.9	62.9	14.3	25.7
1	AP SMITH	-	42.3	61.5	15.1	23.7
MEAN			50.6	62.7	14.4	26.8
C.V.			4.8	0.4	4.4	3.7
PROBABILITY			<0.001	<0.001	<0.001	<0.001
LSD(0.05)			4.0	0.4	1.0	1.6

Entry 18 (MT 21174) was excluded dur to miss planting

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2025 OFF-STATION : CHOTEAU (DRY) : 9962

ENTRY	VARIETY	PEDIGREE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	PROTEIN (%)	PLANT HEIGHT (IN.)	SAWFLY CUT (%)
19	MT 21484	Dagmar/BC1-52	<u>90.2</u>	60.3	15.8	27.3	5.0
17	MT 21074	MT 1525/MT 1348	72.5	60.5	16.5	24.8	<u>1.0</u>
2	DAGMAR	MT1133/MT1148	70.0	59.9	15.9	26.9	5.0
16	MT UBET	Lanning/MT 1338	67.7	59.6	15.4	26.9	85.0
12	WB 9879CLP	Choteau*3//Choteau/IMI8134	64.2	58.9	16.2	26.3	2.3
20	MT 21487	Dagmar/BC1-80	62.1	60.6	15.7	26.5	6.7
4	LCS ASCENT	-	61.4	61.0	14.3	28.7	78.3
13	WB GUNNISON	Conan/Agawam	59.1	59.6	14.8	26.5	5.0
5	REEDER	IAS#4/H567.71//Stoa/3/ND674	57.9	59.5	15.6	26.7	76.7
14	MT DUTTON	Vida/Elgin-ND	57.8	58.3	15.9	27.0	38.3
9	SY ROCKFORD	-	54.7	58.5	15.6	28.6	63.3
23	MT 22182	DAGMAR/MT 1617	54.3	58.5	15.4	27.3	3.7
22	MT 22083	DAGMAR/MT 1866	53.8	<u>61.4</u>	15.5	28.6	28.3
10	VIDA	Scholar/Reeder	52.9	58.8	15.1	27.9	36.7
7	ND STAMPEDE	-	52.4	59.0	16.1	<u>29.4</u>	76.7
15	MT CARLSON	Lanning/MT1531	49.6	60.3	15.4	27.2	40.0
6	ROCKER	-	49.1	60.6	15.9	27.9	21.7
8	SY LONGMIRE	-	46.5	59.8	15.6	26.8	40.0
1	AP SMITH	-	46.3	59.0	15.8	25.2	75.0
3	LANNING	Glenn/MT0747	45.0	59.1	16.1	27.7	90.0
21	MT 22073	LANNING/MT 1806	44.7	58.5	16.4	27.4	30.0
24	MT 22205	LANNING/MT0945/MT 1807	44.1	59.2	15.5	28.0	50.0
11	WB 9668	-	38.3	60.1	<u>17.1</u>	24.7	35.0
25	MT 22345	DAGMAR/MN14105-7	32.5	58.6	15.3	28.5	73.3
MEAN			55.3	59.6	15.7	27.2	40.3
C.V.			11.5	0.6	1.2	6.3	25.3
PROBABILITY			<0.001	<0.001	<0.001	ns	<0.001
LSD(0.05)			10.4	0.6	0.3	-	16.7

Entry 18 (MT 21174) was excluded dur to miss planting

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2025 OFF-STATION : ETHRIDGE (DRY)

ENTRY	VARIETY	PEDIGREE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	PROTEIN (%)	PLANT HEIGHT (IN.)	SAWFLY CUT (%)
20	MT 21487	Dagmar/BC1-80	68.2	62.9	15.8	28.5	3.3
23	MT 22182	DAGMAR/MT 1617	66.7	61.2	15.5	28.0	3.7
17	MT 21074	MT 1525/MT 1348	66.4	62.7	16.5	28.5	0.3
10	VIDA	Scholar/Reeder	65.5	62.3	15.1	26.8	11.7
24	MT 22205	LANNING/MT0945/MT 1807	62.4	62.0	15.8	27.2	13.3
25	MT 22345	DAGMAR/MN14105-7	61.7	61.7	15.1	27.6	15.0
8	SY LONGMIRE	-	61.4	62.9	15.2	27.3	13.3
14	MT DUTTON	Vida/Elgin-ND	61.3	61.6	16.1	27.3	8.3
6	ROCKER	-	61.0	62.7	15.6	27.0	8.3
13	WB GUNNISON	Conan/Agawam	61.0	62.8	15.0	27.1	3.3
15	MT CARLSON	Lanning/MT1531	60.8	62.5	15.4	28.1	15.0
19	MT 21484	Dagmar/BC1-52	60.4	62.7	16.1	28.7	5.3
2	DAGMAR	MT1133/MT1148	58.3	62.6	16.4	28.7	5.7
12	WB 9879CLP	Choteau*3//Choteau/IMI8134	58.1	62.0	16.3	27.2	0.3
22	MT 22083	DAGMAR/MT 1866	57.4	63.1	15.7	28.2	10.0
9	SY ROCKFORD	-	56.0	61.9	15.2	28.3	16.7
16	MT UBET	Lanning/MT 1338	52.6	62.8	15.4	26.1	36.7
11	WB 9668	-	50.6	62.6	16.9	23.5	13.3
21	MT 22073	LANNING/MT 1806	46.7	61.7	16.5	27.1	45.0
5	REEDER	IAS#4/H567.71//Stoa/3/ND674	46.6	62.7	15.6	27.8	20.0
4	LCS ASCENT	-	46.6	62.9	14.3	27.3	30.0
7	ND STAMPEDE	-	46.5	61.8	16.0	27.8	43.3
3	LANNING	Glenn/MT0747	42.4	62.4	16.1	27.5	45.0
1	AP SMITH	-	41.3	63.0	14.9	26.7	25.0
MEAN			56.7	62.4	15.7	27.4	16.3
C.V.			9.3	0.4	1.4	4.0	46.7
PROBABILITY			<0.001	<0.001	<0.001	<0.001	<0.001
LSD(0.05)			8.6	0.4	0.4	1.8	12.5

Entry 18 (MT 21174) was excluded dur to miss planting

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2025 OFF-STATION : KNEES (DRY) : 9967

ENTRY	VARIETY	PEDIGREE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	PROTEIN (%)	PLANT HEIGHT (IN.)	SAWFLY CUT (%)
17	MT 21074	MT 1525/MT 1348	67.7	60.1	15.3	29.2	0.7
15	MT CARLSON	Lanning/MT1531	67.3	59.7	14.6	30.2	18.3
6	ROCKER	-	65.3	59.7	15.3	31.4	2.3
10	VIDA	Scholar/Reeder	65.2	58.8	14.8	31.8	13.3
23	MT 22182	DAGMAR/MT 1617	64.3	58.3	15.2	30.6	3.7
13	WB GUNNISON	Conan/Agawam	64.0	58.9	14.9	29.8	1.0
20	MT 21487	Dagmar/BC1-80	63.8	58.9	14.7	31.8	7.0
12	WB 9879CLP	Choteau*3//Choteau/IMI8134	63.5	59.1	15.7	31.0	2.3
7	ND STAMPEDE	-	63.2	59.3	15.8	30.3	76.7
2	DAGMAR	MT1133/MT1148	61.8	59.3	16.3	32.0	1.0
14	MT DUTTON	Vida/Elgin-ND	60.8	58.0	15.2	29.9	10.0
19	MT 21484	Dagmar/BC1-52	60.5	59.3	15.2	30.3	3.7
25	MT 22345	DAGMAR/MN14105-7	60.2	57.9	14.5	30.5	30.0
11	WB 9668	-	59.8	60.0	17.0	25.9	6.7
24	MT 22205	LANNING/MT0945/MT 1807	59.4	59.4	15.0	29.3	13.3
22	MT 22083	DAGMAR/MT 1866	58.5	60.9	15.3	32.2	10.0
8	SY LONGMIRE	-	55.3	59.7	15.7	30.4	10.0
21	MT 22073	LANNING/MT 1806	53.3	57.9	16.3	29.5	23.3
3	LANNING	Glenn/MT0747	50.3	59.6	15.9	29.5	63.3
16	MT UBET	Lanning/MT 1338	48.3	59.6	15.2	28.2	21.7
4	LCS ASCENT	-	45.5	59.9	14.2	29.7	70.0
5	REEDER	IAS#4/H567.71//Stoa/3/ND674	44.5	59.5	15.0	31.8	55.0
9	SY ROCKFORD	-	44.4	58.0	15.5	30.3	31.7
1	AP SMITH	-	36.7	57.5	16.2	27.2	43.3
MEAN			57.6	59.1	15.4	30.1	21.6
C.V.			5.8	0.5	2.0	3.6	31.2
PROBABILITY			<0.001	<0.001	<0.001	<0.001	<0.001
LSD(0.05)			5.5	0.5	0.5	1.8	11.1

Entry 18 (MT 21174) was excluded due to miss planting

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2025 OFF-STATION : VALIER (IRRI)

ENTRY	VARIETY	PEDIGREE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	PROTEIN (%)	PLANT HEIGHT (IN.)
6	ROCKER	-	<u>121.7</u>	63.1	15.4	29.5
15	MT CARLSON	Lanning/MT1531	115.1	62.9	15.0	30.0
17	MT 21074	MT 1525/MT 1348	114.0	<u>63.2</u>	15.8	29.6
7	ND STAMPEDE	-	111.8	62.5	16.2	30.2
14	MT DUTTON	Vida/Elgin-ND	109.3	61.6	16.4	29.5
8	SY LONGMIRE	-	107.5	62.8	15.9	30.3
4	LCS ASCENT	-	107.0	<u>63.2</u>	14.7	28.5
10	VIDA	Scholar/Reeder	106.5	62.1	15.6	30.2
25	MT 22345	DAGMAR/MN14105-7	106.2	61.0	15.4	30.3
21	MT 22073	LANNING/MT 1806	105.8	61.9	16.8	28.5
12	WB 9879CLP	Choteau*3//Choteau/IMI8134	105.3	62.4	15.6	30.4
23	MT 22182	DAGMAR/MT 1617	104.8	61.9	15.5	29.6
2	DAGMAR	MT1133/MT1148	103.1	62.7	16.3	<u>30.6</u>
13	WB GUNNISON	Conan/Agawam	102.4	<u>63.2</u>	13.6	29.3
16	MT UBET	Lanning/MT 1338	100.2	62.4	15.5	28.6
5	REEDER	IAS#4/H567.71//Stoa/3/ND674	99.5	63.1	16.0	30.2
24	MT 22205	LANNING/MT0945/MT 1807	98.8	61.2	16.7	26.8
9	SY ROCKFORD	-	97.6	61.5	15.6	30.6
19	MT 21484	Dagmar/BC1-52	97.1	62.7	16.3	30.6
11	WB 9668	-	95.8	63.0	<u>17.1</u>	26.1
20	MT 21487	Dagmar/BC1-80	95.3	62.5	16.6	30.2
3	LANNING	Glenn/MT0747	92.8	62.3	16.6	28.6
1	AP SMITH	-	92.3	62.7	15.3	28.7
22	MT 22083	DAGMAR/MT 1866	86.4	63.0	16.0	29.4
MEAN			103.2	62.5	15.8	29.4
C.V.			7.4	0.3	1.3	3.4
PROBABILITY			<0.001	<0.001	<0.001	<0.001
LSD(0.05)			12.6	0.3	0.3	1.7

Entry 18 (MT 21174) was excluded due to miss planting

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2025 OFF-STATION : CHESTER (DRY) : 9953

ENTRY	VARIETY	PEDIGREE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	PROTEIN (%)	PLANT HEIGHT (IN.)
20	MT 21487	Dagmar/BC1-80	49.0	59.2	15.7	26.1
10	VIDA	Scholar/Reeder	48.7	58.8	15.2	27.0
6	ROCKER	-	48.2	60.0	15.2	27.1
14	MT DUTTON	Vida/Elgin-ND	47.6	58.5	16.1	25.9
15	MT CARLSON	Lanning/MT1531	47.5	58.5	15.5	25.8
17	MT 21074	MT 1525/MT 1348	47.3	60.0	16.1	25.5
25	MT 22345	DAGMAR/MN14105-7	47.1	57.6	15.5	26.9
16	MT UBET	Lanning/MT 1338	46.0	58.9	15.6	23.6
5	REEDER	IAS#4/H567.71//Stoa/3/ND674	45.8	59.4	15.8	26.9
23	MT 22182	DAGMAR/MT 1617	44.9	57.1	15.3	25.4
19	MT 21484	Dagmar/BC1-52	44.9	59.3	16.1	25.5
9	SY ROCKFORD	-	44.6	58.0	15.4	26.8
3	LANNING	Glenn/MT0747	44.0	58.0	16.2	25.5
24	MT 22205	LANNING/MT0945/MT 1807	44.0	58.7	16.0	25.3
4	LCS ASCENT	-	43.9	60.8	15.2	27.5
8	SY LONGMIRE	-	43.7	59.3	15.7	25.8
1	AP SMITH	-	43.3	58.7	15.6	24.7
2	DAGMAR	MT1133/MT1148	43.0	59.2	16.0	25.7
13	WB GUNNISON	Conan/Agawam	42.5	59.2	14.6	25.9
12	WB 9879CLP	Choteau*3//Choteau/IMI8134	41.8	58.2	16.0	26.6
21	MT 22073	LANNING/MT 1806	39.6	56.3	16.6	24.0
7	ND STAMPEDE	-	39.5	57.7	16.1	26.8
22	MT 22083	DAGMAR/MT 1866	39.2	60.2	15.8	26.3
11	WB 9668	-	37.7	59.4	17.0	21.6
MEAN			44.3	58.8	15.8	25.7
C.V.			7.2	0.9	1.3	4.2
PROBABILITY			<0.001	<0.001	<0.001	<0.001
LSD(0.05)			5.3	0.9	0.3	1.8

Entry 18 (MT 21174) was excluded dur to miss planting

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2025 OFF-STATION : LORING (DRY) : 9955

ENTRY	VARIETY	PEDIGREE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	PROTEIN (%)	PLANT HEIGHT (IN.)	SAWFLY CUT (%)
10	VIDA	Scholar/Reeder	37.2	58.5	14.4	24.6	13.1
15	MT CARLSON	Lanning/MT1531	36.3	57.8	14.7	24.3	3.9
20	MT 21487	Dagmar/BC1-80	34.1	58.6	14.7	23.4	6.3
2	DAGMAR	MT1133/MT1148	34.0	58.5	15.5	24.8	8.5
19	MT 21484	Dagmar/BC1-52	33.4	58.2	15.3	23.1	12.7
25	MT 22345	DAGMAR/MN14105-7	32.0	57.7	14.7	23.2	5.1
6	ROCKER	-	32.0	59.3	15.4	24.2	13.7
22	MT 22083	DAGMAR/MT 1866	31.8	59.3	15.2	24.4	10.4
17	MT 21074	MT 1525/MT 1348	31.6	58.9	15.3	23.1	7.3
14	MT DUTTON	Vida/Elgin-ND	31.2	57.8	15.4	24.1	15.4
5	REEDER	IAS#4/H567.71//Stoa/3/ND674	31.0	58.4	15.0	25.1	18.2
4	LCS ASCENT	-	30.4	58.9	14.7	23.8	8.6
12	WB 9879CLP	Choteau*3//Choteau/IMI8134	30.3	57.1	15.5	23.4	5.6
8	SY LONGMIRE	-	30.1	59.1	15.4	24.0	3.4
16	MT UBET	Lanning/MT 1338	29.2	57.7	14.4	23.3	8.3
13	WB GUNNISON	Conan/Agawam	29.1	58.6	14.2	24.6	5.3
24	MT 22205	LANNING/MT0945/MT 1807	26.8	57.8	14.8	23.4	8.5
7	ND STAMPEDE	-	26.8	57.7	15.3	25.2	19.4
3	LANNING	Glenn/MT0747	26.8	57.9	15.3	24.8	15.2
23	MT 22182	DAGMAR/MT 1617	26.7	56.2	15.1	23.6	3.7
21	MT 22073	LANNING/MT 1806	25.3	56.2	15.6	23.3	14.1
9	SY ROCKFORD	-	23.6	56.9	15.3	24.9	10.9
1	AP SMITH	-	17.5	57.8	15.6	22.2	11.3
11	WB 9668	-	13.5	58.1	17.5	22.0	5.9
MEAN			29.2	58.1	15.2	23.9	9.8
C.V.			8.7	0.5	2.4	2.6	49.8
PROBABILITY			<0.001	<0.001	<0.001	<0.001	<0.001
LSD(0.05)			4.2	0.5	0.6	1.0	8.0

Entry 18 (MT 21174) was excluded dur to miss planting

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2025 OFF-STATION : LOMA (DRY) : 9957

ENTRY	VARIETY	PEDIGREE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	PROTEIN (%)	PLANT HEIGHT (IN.)	SAWFLY CUT (%)
15	MT CARLSON	Lanning/MT1531	76.2	57.4	14.9	29.7	12.7
6	ROCKER	-	73.7	58.7	14.3	30.9	3.1
14	MT DUTTON	Vida/Elgin-ND	72.2	57.2	15.0	31.1	6.0
10	VIDA	Scholar/Reeder	69.7	57.5	14.0	30.9	8.8
2	DAGMAR	MT1133/MT1148	68.5	57.8	15.4	32.0	13.0
23	MT 22182	DAGMAR/MT 1617	67.9	55.9	14.4	32.4	5.6
19	MT 21484	Dagmar/BC1-52	65.7	57.7	15.4	30.2	4.6
13	WB GUNNISON	Conan/Agawam	64.6	58.0	14.5	29.4	3.7
17	MT 21074	MT 1525/MT 1348	64.3	58.3	15.2	29.3	4.3
21	MT 22073	LANNING/MT 1806	63.5	55.2	15.6	27.8	14.5
5	REEDER	IAS#4/H567.71//Stoa/3/ND674	63.2	57.7	14.8	31.9	24.3
24	MT 22205	LANNING/MT0945/MT 1807	62.3	57.2	15.6	27.6	5.6
16	MT UBET	Lanning/MT 1338	61.7	57.3	15.2	28.2	16.2
25	MT 22345	DAGMAR/MN14105-7	61.6	56.1	14.6	30.3	11.2
12	WB 9879CLP	Choteau*3//Choteau/IMI8134	61.5	56.8	15.5	29.1	4.3
7	ND STAMPEDE	-	61.1	56.6	15.1	30.1	31.3
3	LANNING	Glenn/MT0747	61.0	56.7	15.5	27.2	24.7
8	SY LONGMIRE	-	60.8	58.5	14.7	29.7	6.8
20	MT 21487	Dagmar/BC1-80	59.9	57.6	15.5	29.7	8.0
9	SY ROCKFORD	-	59.2	56.6	14.4	31.3	19.2
22	MT 22083	DAGMAR/MT 1866	58.1	58.7	15.0	30.6	10.6
4	LCS ASCENT	-	57.2	58.1	13.8	30.9	31.9
1	AP SMITH	-	52.2	57.1	15.1	27.7	16.6
11	WB 9668	-	50.4	57.2	17.3	23.7	3.7
MEAN			63.2	57.3	15.0	29.7	12.1
C.V.			7.5	1.0	4.5	4.3	50.3
PROBABILITY			<0.001	<0.001	<0.001	<0.001	<0.001
LSD(0.05)			7.8	0.9	1.1	2.1	10.0

Entry 18 (MT 21174) was excluded dur to miss planting

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2025 OFF-STATION : McCONE (DRY)

VARIETY	PEDIGREE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	PROTEIN (%)	PLANT HEIGHT (IN.)	SAWFLY DAMAGE (1-9)
SY ROCKFORD	-	75.6	62.0	15.1	31.0	2.7
MT UBET	Lanning/MT 1338	73.6	61.7	15.7	31.2	3.3
MT 22345	DAGMAR/MN14105-7	72.1	61.0	15.6	31.1	2.0
DAGMAR	MT1133/MT1148	71.2	61.7	16.3	32.7	1.7
LANNING	Glenn/MT0747	70.4	61.8	16.5	31.1	2.7
LCS ASCENT	-	69.5	60.4	14.9	32.2	4.0
VIDA	Scholar/Reeder	68.8	61.7	15.5	33.7	2.0
MT DUTTON	Vida/Elgin-ND	68.0	59.7	16.3	31.6	3.3
CP3055	-	67.6	61.5	14.8	32.8	1.3
MT 22083	DAGMAR/MT 1866	66.6	62.9	15.3	31.5	1.7
MT CARLSON	Lanning/MT1531	66.3	60.6	15.3	31.0	3.7
MT 22073	LANNING/MT 1806	66.2	59.4	16.8	31.4	3.3
ROCKER	-	66.2	63.3	16.1	31.8	2.3
CP3119A	-	66.1	61.5	14.2	32.4	1.0
MT 21484	Dagmar/BC1-52	65.8	60.6	16.5	30.4	3.3
MT 21074	MT 1525/MT 1348	65.7	63.9	17.0	30.6	1.3
MT 22205	LANNING/MT0945/MT 1807	65.6	59.0	16.3	31.1	3.0
SY LONGMIRE	-	64.5	62.2	15.7	30.4	4.3
MT 21487	Dagmar/BC1-80	63.6	60.6	16.3	32.6	3.7
WB 9879CLP	Choteau*3//Choteau/IMI8134	63.3	60.7	15.7	30.6	3.0
MT 22182	DAGMAR/MT 1617	61.7	57.9	15.6	31.9	3.0
AP SMITH	-	60.8	60.4	15.7	27.3	2.3
ND STAMPEDE	-	59.8	59.0	16.1	30.2	5.0
WB GUNNISON	Conan/Agawam	59.2	60.2	15.4	30.2	2.3
REEDER	IAS#4/H567.71//Stoa/3/ND674	59.0	61.4	16.3	31.9	3.7
MEAN		66.3	61.0	15.8	31.3	2.8
C.V.		7.7	1.3	1.6	3.8	37.0
PROBABILITY		<0.01	<0.001	<0.001	<0.001	<0.01
LSD(0.05)		8.3	1.3	0.4	1.9	1.7

Entry 18 (MT 21174) was excluded dur to miss planting

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2025 OFF-STATION : ROOSEVELT (DRY)

VARIETY	PEDIGREE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	PROTEIN (%)	PLANT HEIGHT (IN.)	SAWFLY DAMAGE (1-9)
MT CARLSON	Lanning/MT1531	<u>36.7</u>	61.5	16.2	23.5	2.0
MT 22073	LANNING/MT 1806	36.3	59.5	17.4	23.0	2.3
CP3119A	-	33.1	59.9	14.4	21.1	2.3
MT 21074	MT 1525/MT 1348	32.6	64.2	16.7	23.6	2.0
DAGMAR	MT1133/MT1148	32.2	62.9	16.7	21.9	1.7
MT 21484	Dagmar/BC1-52	32.0	62.4	16.5	22.8	2.7
MT UBET	Lanning/MT 1338	31.9	62.6	16.5	22.2	3.7
MT 22182	DAGMAR/MT 1617	31.6	59.0	16.4	20.8	2.0
MT 22083	DAGMAR/MT 1866	31.4	62.6	16.7	21.7	3.0
CP3055	-	31.2	60.0	15.5	18.6	<u>1.0</u>
MT 22345	DAGMAR/MN14105-7	31.2	61.3	16.3	19.8	3.0
MT 22205	LANNING/MT0945/MT 1807	30.8	62.4	17.0	22.3	3.7
ROCKER	-	30.8	<u>64.6</u>	16.0	21.8	2.0
VIDA	Scholar/Reeder	29.8	62.6	16.3	22.8	2.3
SY LONGMIRE	-	29.2	63.8	17.1	22.7	2.0
MT 21487	Dagmar/BC1-80	28.5	63.0	16.6	22.7	3.0
LANNING	Glenn/MT0747	28.2	61.7	16.9	22.7	4.0
MT DUTTON	Vida/Elgin-ND	28.1	60.8	<u>17.6</u>	22.6	3.7
SY ROCKFORD	-	27.4	61.9	16.8	<u>24.3</u>	3.3
ND STAMPEDE	-	27.3	62.4	17.4	23.4	3.3
REEDER	IAS#4/H567.71//Stoa/3/ND674	27.1	63.4	16.4	23.6	3.0
LCS ASCENT	-	26.1	63.6	16.1	22.7	3.3
AP SMITH	-	25.8	64.3	16.7	21.0	4.0
WB 9879CLP	Choteau*3//Choteau/IMI8134	25.6	61.7	17.3	21.0	<u>1.0</u>
WB GUNNISON	Conan/Agawam	25.0	62.0	16.0	22.3	2.3
MEAN		30.0	62.2	16.5	22.2	2.7
C.V.		12.4	1.1	1.5	9.3	35.7
PROBABILITY		<0.01	<0.001	<0.001	ns	<0.01
LSD(0.05)		6.2	1.1	0.4	-	1.5

Entry 18 (MT 21174) was excluded dur to miss planting

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2025 OFF-STATION : WIBAUX (DRY)

VARIETY	PEDIGREE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	PROTEIN (%)	PLANT HEIGHT (IN.)	SAWFLY DAMAGE (1-9)
LCS ASCENT	-	88.3	66.0	13.4	35.3	1.3
ND STAMPEDE	-	88.0	64.1	14.3	32.2	1.7
DAGMAR	MT1133/MT1148	81.4	64.7	15.5	31.6	1.7
MT 21484	Dagmar/BC1-52	79.4	64.8	15.0	34.2	2.3
AP SMITH	-	79.3	65.3	15.0	29.2	1.3
REEDER	IAS#4/H567.71//Stoa/3/ND674	79.1	65.2	14.7	34.8	2.0
SY LONGMIRE	-	77.6	65.7	14.3	31.2	2.7
ROCKER	-	77.1	64.6	14.9	32.7	2.0
MT UBET	Lanning/MT 1338	76.7	62.5	14.9	32.2	3.0
MT 21487	Dagmar/BC1-80	76.1	64.2	15.6	34.8	3.3
MT 22205	LANNING/MT0945/MT 1807	73.8	62.7	14.7	30.2	2.0
LANNING	Glenn/MT0747	73.6	63.0	15.3	33.0	2.3
MT DUTTON	Vida/Elgin-ND	70.9	63.0	14.8	33.2	2.7
MT CARLSON	Lanning/MT1531	70.5	63.0	14.3	32.7	1.3
VIDA	Scholar/Reeder	69.3	63.3	15.2	34.7	1.7
MT 21074	MT 1525/MT 1348	68.3	64.7	15.2	31.1	2.0
WB 9879CLP	Choteau*3//Choteau/IMI8134	67.6	64.4	14.3	30.7	2.3
MT 22073	LANNING/MT 1806	67.4	61.0	15.5	31.2	2.7
SY ROCKFORD	-	66.6	62.3	14.5	30.7	4.0
CP3119A	-	66.4	62.2	14.1	32.9	1.0
MT 22083	DAGMAR/MT 1866	65.7	64.0	15.0	31.8	2.7
WB GUNNISON	Conan/Agawam	63.4	63.8	14.1	29.4	1.7
CP3055	-	63.0	62.5	14.2	32.7	1.7
MT 22182	DAGMAR/MT 1617	60.2	60.4	14.6	31.5	4.3
MT 22345	DAGMAR/MN14105-7	59.7	61.7	14.5	29.6	2.7
MEAN		72.4	63.6	14.7	32.1	2.3
C.V.		12.4	2.0	3.3	5.3	53.3
PROBABILITY		<0.01	<0.001	<0.001	<0.001	ns
LSD(0.05)		14.7	2.0	0.8	2.8	-

Entry 18 (MT 21174) was excluded dur to miss planting

bold : highest or earliest value within a column

bold : equal value to highest or earliest value within a column based LSD(0.05)

2025 ALUMINUM TOLERANCE SCREEN, M. Pumphrey, WSU, Pullman, WA

VARIETY / LINE	PEDIGREE	AL Rate	Location
SY Rockford	02S0262-2-5/01S0236-6	t	Rockford
Rocker	Choteau/TCG-Cornerstone//McNeil	s	Rockford
WB GUNNISON	BZ 92413R	s	Rockford
Thatcher	Marquis/lumillo//Marquis/Kanred	s	Rockford
Reeder	IAS20*4/H567.71//Stoa/3/ND674	t	Rockford
McNeal	PI 125000/Centana//PK176/Frontiera/3/Glenman	t	Rockford
Vida	Scholar/Reeder	s	Rockford
Duclair	Choteau//Scholar/Reeder	i	Rockford
Lanning	Glenn/3/McNeal/Reeder//Reeder/MT9755	t	Rockford
NS Presser CLP	Vida/3/Nida/3/CDC Teal//SWP9650001 /McNeal	s	Rockford
Dagmar	MT1133/MT1148	s	Rockford
WB 9879 CLP	CHOTEAU*3/CHOTEAU/IMI8134	t	Rockford
MT Dutton	Vida/M0 09/3-4	s	Rockford
MT Carlson	MT1316///MT1018//Choteau/Yellowstone-26	t	Rockford
MT Ubet	MT 2030	t	Rockford
MT 21074	MT 1525/MT 1348	s	Rockford
MT 21174	Dagmar//MT 1142/MT 1225	s	Rockford
MT 21484	Dagmar/BC1-52	s	Rockford
MT 21487	Dagmar/BC1-80	s	Rockford
MT 22073	Lanning/MT 1806	t	Rockford
MT 22083	Dagmar/MT 1866	s	Rockford
MT 22182	Dagmar/MT 1617	s	Rockford
MT 22205	Lanning/MT0945/MT 1807	t	Rockford
MT 22345	Dagmar/MN14105-7	s	Rockford
MT 23039	MT 1872/MT 1907	t	Rockford
MT 23052	MT 1866/MT 1673	t	Rockford
MT 23067	DAGMAR/NDHRS16-14-41	s	Rockford
MT 23085	DAGMAR/MT 1807	s	Rockford
MT 23098	DAGMAR/MT 1904	t	Rockford
MT 23110	DAGMAR/MT 1939	t	Rockford
MT 23113	MT 1855///MT 1572/MT1133//CHOTEAU/YELLOWSTONE	t	Rockford
MT 23116	DAGMAR/MT 1815	i	Rockford
MT 23127	MT 1872/MT 1939	t	Rockford
MT 23133	LANNING/MT 1934	t	Rockford
MT 23184	MT 1857/MT 1673	i	Rockford
MT 23084	DAGMAR/MT 1807	i	Rockford
MT 23204	MT 1857/MT 1817	t	Rockford
MT 23205	MT 1857/MT 1817	t	Rockford
MT 23130	LANNING/MT 1934	t	Rockford

MT 23241	DAGMAR/MT 1866	s	Rockford
MT 23265	DAGMAR/MT 1866	s	Rockford
MT 23294	LANNING/MT 1904	t	Rockford
MT 23297	DAGMAR/NDHRS16-14-41	s	Rockford
MT 23339	MT 1815/MT 1934	t	Rockford
MT 23275	MT 1872/MT 1824	t	Rockford
MT 23385	MT 1866//VIDA/SxD3 (1052)	s	Rockford
LCS Ascent	CDC Landmark VB//LNR15-0305/SC-1 SC(17AC123)/3/4*Accelerate	t	Rockford
LCS Boom	17AC123/4*LNR14-1832	t	Rockford
LCS Sentry	LIMAGR 251	t	Rockford
MS Ranchero	412SB0080/Prestige	t	Rockford
AAC Concord	Lillian/Journey//9505-LP03A	t	Rockford
MS Nova	MS 241	t	Rockford
MS Charger	ORL95477/Knudson//SY Soren (LNR12-0131)/3/Syrowyn	t	Rockford
ND Stampede	NDHRS14-0134-C03	s	Rockford
PG Predator	PG 251	s	Rockford
SY Longmire	SY Ingmar/Choteau	t	Rockford
AP Smith	08S0066-17/04S0258-12	s	Rockford
AP Gunsmoke CL2	03S0427-6/SY Soren	s	Rockford
AP Elevate	SYN 241	s	Rockford
AP Dagr	SYN 251	s	Rockford
AP Iconic	SYN 252	s	Rockford
WB 9668	WB 222	t	Rockford
CP3188	WF 251	s	Rockford
CP3322	WF 252	s	Rockford
MT24001	MT 2005/MT 2065	t	Rockford
MT24008	MT 1525/LANNING/MT 2045	s	Rockford
MT24014	MT 1868/MT 1904	t	Rockford
MT24017	MT 1905/MT1274//12F5 827/MT 1866	t	Rockford
MT24019	MT 1905/MT1274//12F5 827/MT 1866	t	Rockford
MT24028	MT 1866*1/Yr53/MT 2074	t	Rockford
MT24040	MT 2049/DAGMAR	s	Rockford
MT24043	MT 2049/DAGMAR	s	Rockford
MT24045	MT 2049/DAGMAR	t	Rockford
MT24047	MT 2018/MT 1931	s	Rockford
MT24048	MT 2018/MT 1931	s	Rockford
MT24049	MT 2018/MT 1931	s	Rockford
MT24050	MT1274//12F5 827/MT 1866/DAGMAR	s	Rockford
MT24052	MT 2019/MT 1909	s	Rockford
MT24069	MT 1451/MT 1866/SY Rockford	i	Rockford
MT24085	MT 1939/MT 1927	t	Rockford
MT24088	MT 1939/MT 1927	t	Rockford

MT24091	MT 1855/DAGMAR	s	Rockford
MT24097	MN17117-5/MT 1939	t	Rockford
MT24112	MT 1855/MT 1868	s	Rockford
MT24120	MT 2030/MT 1570/MT 1651	t	Rockford
MT24128	MT1274//12F5 827/MT 1866/MT 2027	s	Rockford
MT24143	MT 1809/DAGMAR	s	Rockford
MT24157	MT 2062/Dagmar/BC1-80	s	Rockford
MT24167	MT 2049/MT 2054	t	Rockford
MT24170	MT 2021/MT 2065	s	Rockford
MT24175	Lanning*3//UC1110/ABG282-290/MT 1570/MT 1866	i	Rockford
MT24185	MT1274//12F5 827/MT 1866/MT 1542/MT 1451	s	Rockford
MT24186	MT1274//12F5 827/MT 1866/MT 1542/MT 1451	t	Rockford
MT24191	MT 1938/DAGMAR	t	Rockford
MT24193	MT 1927/MT 2076	t	Rockford
MT24201	MT 1904/MT 1525/LANNING	t	Rockford
MT24208	MT 2032/MT 1855	t	Rockford
MT24213	Lanning*4//UC1110/ABG282-290/MT 2013	t	Rockford
MT24219	MT 1939/MT 1855	t	Rockford
MT24225	MT 2005/LCS REBEL	t	Rockford
MT24228	Alum/MT 1415/DAGMAR	t	Rockford
MT24012	MT 1868/MT 1904	s	Rockford
MT24230	Alum/MT 1415/DAGMAR	s	Rockford
MT24237	MT 1905/DAGMAR	s	Rockford
MT24241	MT 1868/MT 1904	t	Rockford
MT24243	MT 1905/MT1274//12F5 827/MT 1866	s	Rockford
MT24245	MT 1905/MT1274//12F5 827/MT 1866	s	Rockford
MT24255	MT 2005/MT 2047	i	Rockford
MT24258	MT 2005/MT 2047	t	Rockford
MT24260	Alum/MT 1415/MT 1542/LANNING	t	Rockford
MT24263	MT 2030/MT 1542/LANNING	t	Rockford
MT24275	MT 2049/DAGMAR	t	Rockford
MT24276	MT 2049/DAGMAR	i	Rockford
MT24278	MT 2063/MT 1570/MT 1651	t	Rockford
MT24290	MT 1905/MT 2063	t	Rockford
MT24304	MT 1855/DAGMAR	i	Rockford
MT24319	MT1274//12F5 827/MT 1866/MT 1809	t	Rockford
MT24320	MT1274//12F5 827/MT 1866/MT 1809	i	Rockford
MT24322	MT1274//12F5 827/MT 1866/MT 2027	s	Rockford
MT24327	MT 2050/MT 2065	t	Rockford
MT24328	MT 2050/MT 2065	s	Rockford
MT24332	MT 2050/MT 1872	s	Rockford
MT24334	MT 2050/MT 1872	s	Rockford

MT24342	MT 1905/MT 2065	t	Rockford
MT24343	MT 1905/MT 2065	t	Rockford
MT24356	MT 2049/MT 2054	i	Rockford
MT24222	MT 1904/MT 2047	t	Rockford
MT24365	MT1274//12F5 827/MT 1866/MT 1570 (HYD)/MT1274/12F5 827	t	Rockford
MT24366	MT1274//12F5 827/MT 1866/MT 1570 (HYD)/MT1274/12F5 827	i	Rockford
MT24369	MT1274//12F5 827/MT 1866/MT 1542/MT 1451	t	Rockford
MT24370	MT1274//12F5 827/MT 1866/MT 1542/MT 1451	t	Rockford
MT24372	MT 1938/DAGMAR	i	Rockford
MT24374	MT 1904/MT 1525/LANNING	t	Rockford
MT24388	Lanning*4//UC1110/ABG282-290/MT 1451/MT 1866	s	Rockford
MT24396	MT 1904/MT 2047	t	Rockford
MT24400	Dagmar*2/MTS1810	s	Rockford
MT24401	Dagmar*2/MTS1810	s	Rockford
MT24402	Dagmar*2/MTS18149	s	Rockford
MT24405	MT1927*2/Bobcat	t	Rockford
MT24411	MT1939*2/MTS18149	t	Rockford
Alum	WA7953/H0300058	t	Rockford
Alum	WA7953/H0300058	t	Rockford
Alum	WA7953/H0300058	t	Rockford
Alum	WA7953/H0300058	t	Rockford
Whit	BZ 692-108/S9600018 (udon) (S0300100U)	t	Rockford
Whit	BZ 692-108/S9600018 (udon) (S0300100U)	t	Rockford
Whit	BZ 692-108/S9600018 (udon) (S0300100U)	t	Rockford
Whit	BZ 692-108/S9600018 (udon) (S0300100U)	t	Rockford

PLANT VARIETY PROTECTION (PVP)

The developer of a new distinct variety may obtain protection (essentially a patent) for that variety if he/she chooses to do so, provided the variety meets the requirements of the Plant Variety Protection Act of 1970. This Act permits the owner or developer of a variety to prohibit others from selling, sexually multiplying, using for propagation for seed, or using to produce a hybrid, seed of his/her variety.

Two options, for plant variety protection, are available to the developer of the variety. Under the first option, the developer of the variety or his/her agent may sell either certified or uncertified seed of the variety. If the developer of the variety has reason to believe that anyone is infringing on his/her rights, he/she may resort to civil action. The other option ("certification option") for protecting a variety utilizes the provision of Title V of the Federal Seed Act. A variety protected in this manner may be sold by variety name only as a class of certified seed. It is the responsibility of the seller to inform the buyer if the variety is protected. Each container of seed sold should be labeled with a tag indicating the type of protection which the owner has. Under the first option, the label will state: "Unauthorized Propagation Prohibited - U.S. Protected Variety." If the owner of the variety has chosen the other option for variety protection, the label will state, "Unauthorized Propagation Prohibited - To be Sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety."

PLEASE NOTE: Varieties protected under the PVP act, as amended in 1994, can no longer can be sold without permission of the variety owner (the farmer exemption has been excluded)

A complete listing of all protected varieties is available in the "Official Journal of the Plant Variety Protection Office" which may be obtained upon request from:

Plant Variety Protection Office Warehouse Division, AMS U.S. Dept. of Agriculture
National Agricultural Library Beltsville, MD 20705
Phone: (301) 504-5518
Internet: <http://www.ams.usda.gov/science/pvpo/pvpindex.htm>