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2025 Small Grain and Grain Legume Report

Northern Idaho Small Grain and Grain Legume Research and Extension Program

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University of Idaho
College of Agricultural and Life Sciences

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www.uidaho.edu/extension/cereals

Cover Image

Winter wheat in Bonners Ferry, Idaho. Photo courtesy of Addison Kinzer.

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Houck Family Farms – Bonners Ferry
Eric Odberg – Genesee
Brett Poxleitner – Genesee
John Schumacher – Greencreek
Brent Uhlorn – Cottonwood
Darrell Uhlorn – Cottonwood
Neil Uptmor – Lewiston
Clint Zenner – Genesee
Devon Zenner – Nezperce

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Meridian Seeds
Montana State University
Northern Star Seed
Nutrien Ag Solutions
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PNW Farmers Cooperative
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Introduction

This report summarizes the performance of winter wheat, spring wheat, winter barley, spring barley, winter pea, spring pea, lentil, and chickpea varieties and advanced breeding lines tested in Extension variety trials conducted in northern Idaho during the 2024–25 crop season. The variety trials were located in cooperators' fields in Idaho, Lewis, Nez Perce, Latah, Benewah, and Boundary Counties and on the University of Idaho Palouse Research, Extension, and Education Center farms in Moscow (Parker Farm) and Genesee (Kambitsch Farm). Specific trial locations and management practices used at each of the trial locations are listed in Table 1.

Plant breeding programs strive to increase yield potential through enhanced disease and insect resistance, winter hardiness, drought tolerance, straw strength, and other agronomic factors. In addition, varieties are developed for improved end-use quality and new markets. The northern Idaho Extension variety-testing program evaluates the relative performance of cereal and legume varieties grown in various northern Idaho environments under a range of commercial production conditions. Breeding lines that have shown promise through regional, public, and private testing programs are evaluated along with leading commercially released varieties.

Increased field crop yield is the result of a combination of improved agronomic practices and advances in variety development. Trials reported in this publication help producers compare new varieties with widely grown varieties using field production practices common for their area. The information provided represents crop performance results from specific locations, production practices, and environmental conditions. Relative performance of varieties can change when tested under other environments and production practices. Evaluation of any variety included in these trials should not be construed as recommending any variety over varieties not included in the trials.

Cereal Test Procedures

Seven winter cereal trials (six wheat and one barley) were planted in northern Idaho in the fall of 2024 and five spring cereal trials (two wheat and three barley) were planted in the spring of 2025. For each crop, the seeding rate for all entries was a uniform number of seeds planted per square foot (spsf). These rates were determined by weighing 1,000 seeds of each cereal entry. Winter wheat and spring barley were planted at 23 spsf, spring wheat at 28 spsf, and winter barley at 21 spsf. Winter wheat, winter barley, spring wheat, and spring barley seeds were treated with Vibrance Extreme at 5.0 fl oz/100 lb seed plus Sharda 1.0 fl oz/100 lb seed. Plots in tilled fields were seeded using a double-disc opener with seven rows spaced 7 inches apart. Direct-seeded trials had five paired rows with three in spacing and ten in from center to center of each opener. The direct-seed drill is equipped with Flexi-Coil Stealth openers that allow fertilizer to be banded below and between the paired rows. Typical cereal seeding depth varied from 0.75 to 1.5 inches depending on soil texture and moisture conditions. At each location, each variety or experimental line was replicated four times in a randomized complete block design. All plots were seeded 20 feet long and after plants were well established, the plots were cut back to a length of 15 feet with an application of glyphosate herbicide using a tractor-mounted, shielded sprayer between plots. For most trials conducted in collaboration with a grower cooperator, the grower applied pesticides while treating the remainder of the field surrounding the trial. Fertilizers and pesticides used in the trials are listed in Table 1 for the sites where the information was provided. Planting and harvesting operations by University of Idaho personnel were timed to approximately coincide with the cooperator’s operations.

During the growing season, plants were assessed for heading date by recording the date at which 50% or more of the spikes had fully emerged from the leaf sheath of the flag leaf. Prior to harvest, mature plant height was recorded, each plot was evaluated for lodging, and plot length was measured to more accurately determine the harvestable area for each plot. Cereal plant height is the length of the plant from the soil surface to the tip of the head (awns excluded). For lodging, the affected area was scored from 0% to 100%, with 0% equal to no lodging and 100% being completely lodged. Grain yield was recorded using a Harvest

Master H2 Classic GrainGage affixed to a Zurn 150 plot combine. After harvest, each grain sample was cleaned to remove chaff and weed seeds before measuring the test weight. Cereal test weight was reported in pounds per standard bushel. Cereal yields were reported in bushels per acre, using a standard 60 lb/bu conversion factor for wheat and 48 lb/bu for barley. For barley samples, the percentage of plump and thins was determined by passing a 250-gram sample of cleaned seed through a 6/64–inch and 5.5/64–inch slotted screen. The sample was shaken for 60 seconds on a strand sizer shaker (Seedburo Equipment, Chicago, Illinois). Plump seeds were collected on top of the slotted screens and the thins were the portion of the sample that went through a 5.5/64–inch slotted screen. Wheat and barley whole grain protein at 12% moisture was measured at the University of Idaho Wheat Quality Laboratory at Aberdeen using near-infrared spectrometry (NIRS) technology. For wheat and barley seed, a single composite sample was analyzed for each variety at each location.

Legume Test Procedures

In the fall of 2024, two winter pea trials were established using a seeding rate of 10 spsf. In the spring of 2025, spring pea, lentil, and chickpea trials were seeded near Genesee, Ferdinand, and Moscow. For each legume variety, 1,000 seeds were weighed and seeding rates calculated to provide a uniform planting density of pea at 8 spsf, lentil at 8 spsf, and chickpea at 5 spsf. Spring pea and lentil seeds were treated with Apron XL (0.21 oz/cwt), Maxim XL (0.22 oz/cwt), Cruiser (1 oz/cwt), Vayantis (0.1 oz/cwt), and a molybdenum (0.44 oz/cwt) mix; and chickpea seed was treated with Apron XL (0.22 oz/cwt), Vibrance (0.22 oz/cwt), Maxim (0.06 oz/cwt), Rancona (0.1 oz/cwt), Cruiser (1.4 oz/cwt), Seed-Start Zinc (3 oz/cwt), and molybdenum (0.66 oz/cwt). All winter and spring legume plots were established in beds similar to the cereal trials; they were planted on 20-foot-long beds that were reduced to 15-foot plots using glyphosate and a shielded sprayer. Planting depths were approximately 1 inch for lentils and between 1 to 2 inches for pea and chickpea. Winter pea plots were seeded to a depth of 2.5–3 inches. Due to wider spacing between plots, chemical weed control was supplemented with hand weeding when necessary. Trial locations and pesticides used in the trials are listed in Table 1 for the sites where the information was provided. During the growing season legumes were evaluated for flowering date, which was defined as the point at which 50% of the plants had flowers that were completely open. Prior to senescence, plots were evaluated to determine vine length (pea) or plant height (lentil and chickpea) by measuring from the soil surface to the end of the growing point on the main stem. Immediately prior to harvest, canopy height was measured and plant height index (PHI) was calculated by dividing the canopy height by the vine length or plant height. This index gives an indication of how well a variety retains its stature at harvest, with higher numbers indicating better height retention. At harvest, seed yield and test weight were determined as described for the cereal crops. A 100-seed weight was determined for all crops and chickpea seed was evaluated for size by shaking 250 grams of seed through screens that included 25/64”, 22/64”, and 20/64” to evaluate seed size and determine the percentage of “A” beans (size greater than 22/64”). Seed protein was measured on all samples of pea and lentil using a FOSS NIR. Lentil protein was determined by sending composite seed samples to the University of Georgia Feed and Environmental Laboratory, where they were analyzed using a combustion technique for crude protein.

Varieties Included in Trials

A summary of released varieties tested during the 2024–25 growing season is shown in Table 2. When the information is available, this table also lists the previous experimental name for each variety along with the release year and company or agency that released or owns the variety.

Statistical Interpretation

Data in the tables are sorted by yield with the highest-yielding entries listed first. The overall trial average is shown at the bottom of each table. The Fishers’s least significant difference (LSD) and the coefficient of variation (CV) are listed. The LSD is given at the 5% error level and aids in comparing varieties. If the measured values of any two varieties within a column differ by the LSD value or greater, they may be

considered different with a confidence level of 95%. If the measured values are less than the LSD value, the differences may be due to random error rather than actual varietal differences. If no significant statistical differences were found among varieties, "ns" (not significant) is shown for the LSD. The CV listed in the tables is given as a general measurement of the precision of each experiment. Lower CV percentage values indicate lower experimental variation and greater precision. A higher CV value indicates abnormal variation within the trial that could be due to external factors such as animal grazing, hail damage, or other variable stress on the plants. The CV values were not averaged across trials or years.

Variety choice should take into consideration as much performance data as possible with comparisons across years and locations. In addition to yield, other factors, such as end-use quality, disease and insect resistance, lodging tendency, maturity, plant height, winter hardiness, test weight, and any other observations from grower experience, can be used in deciding which variety to plant. Crop performance is impacted by many variables, including seasonal variation in temperature and precipitation, disease incidence and severity, local environment, seeding date, fertility, and many others. Variety performance in a given year is not necessarily indicative of how a particular variety will perform over multiple growing seasons, so caution should be taken when looking at the results from a single growing season. Therefore, it is recommended that when available, consider multiyear yield performance data when selecting new varieties for production. Variety performance data from previous years for northern Idaho and other regions of the state can be viewed at www.uidaho.edu/extension/food/cereals.

Table 1. Trial locations and management information for the 2024–25 Northern Idaho Extension variety trials.

County	Nursery Location	Rainfall Zone (inches)	Elevation (feet)	Production System	Planting Date	Harvest Date	Previous Crop	Fertilizer N-P-K-S (lb/A)*	Chemical	
									Product Name	Rate
Winter Cereals - Soft White Winter Wheat and Herbicide Resistant Soft White Winter Wheat										
Boundary	Bonners Ferry	25”	1750’	Direct Seed	9/24/24	7/29/25	Chickpea	17-37-22-10 (f) 55-0-0-0 (s)	Propi-star EC Rhonox Veltyma Affinity Stark Ultra Powerflex HL Widematch	4 fl oz/A 16 fl oz/A 5 fl oz/A 0.6 fl oz/A 5.2 fl oz/A 2 fl oz/A 16 fl oz/A
Nez Perce	Genesee	20”	2800’	Direct Seed	10/3/24	7/24/25	Winter Pea	93-30-0-20 (f)	Huskie Clopyralid Propiconazole Micro1000	14 fl oz/A 5 fl oz/A 4 fl oz/A 16 fl oz/A
Nez Perce	Lewiston	14”	1715’	Reduced Tillage	10/07/24	7/09/25	Fallow	135-40-0-30 (f)	RT3 preplant Anthem flex	24 oz/A 4.55 oz/A
Latah	Moscow (Parker Farm)	27”	2600’	Tilled	10/01/24	8/04/25	Hayed Peas	93-30-0-20 (f)	Huskie Axial Bold Affinity Nexicor	12 fl oz/A 15 fl oz/A 0.75 fl oz/A 5 fl oz/A
Lewis	Nez Perce	22”	3300’	Direct Seed	9/23/24	7/28/25	Chickpea	70-30-0-23 (f) 40-0-13-6 (s)	MCPE Phenoxy Quelex Conform DP Miravis Ace Moly	12 fl oz/A 0.75 oz/A 2.5 fl oz/A 7 fl oz/A 2 oz/A
Benewah	Tensed	27”	2600’	Direct Seed	10/02/24	8/12/25	Lentil	122-30-0-20 (f)	BMP**	BMP**

* (f) = fall applied, (s) = spring applied.
** Best management practice.

Table 1 (continued). Trial locations and management information for the 2024–25 Northern Idaho Extension variety trials.

County	Nursery Location	Rainfall Zone (inches)	Elevation (feet)	Production System	Planting Date	Harvest Date	Previous Crop	Fertilizer N-P-K-S (lb/A)*	Chemical	
									Product Name	Rate
Winter Cereals - Hard Winter Wheat										
Boundary	Bonners Ferry	25”	1750’	Direct Seed	9/24/24	7/29/25	Chickpea	17-37-22-10 (f) 95-0-0-0 (s)	Propi-star EC Rhonox Veltyma Affinity Stark Ultra Powerflex HL Widematch	4 fl oz/A 16 fl oz/A 5 fl oz/A 0.6 fl oz/A 5.2 fl oz/A 2 fl oz/A 16 fl oz/A
Nez Perce	Genesee	20”	2700’	Direct Seed	10/3/24	7/24/25	Winter Pea	93-30-0-20 (f) 40-0-0-0 (s)	Huskie Clopyralid Propiconazole Micro1000	14 fl oz/A 5 fl oz/A 4 fl oz/A 16 fl oz/A
Nez Perce	Lewiston	14”	1715’	Reduced Tillage	10/07/24	7/09/25	Fallow	140-44-0-34 (f) 40-0-0-0 (s)	RT3 preplant Anthem flex	24 oz/A 4.55 oz/A
Latah	Moscow (Parker Farm)	27”	2600’	Tilled	10/01/24	8/04/25	Hayed Peas	93-30-0-20 (f) 46-0-0-0 (s)	Husky Orion	12 fl oz/A 17fl oz/A
Lewis	Nezperce	22”	3300’	Direct Seed	9/20/24	7/28/25	Chickpea	70-30-0-20 (f) 80-0-13-6 (s)	MCPE Phenoxy Quelex Conform DP Miravis Ace Moly	12 fl oz/A 0.75 oz/A 2.5 fl oz/A 7 fl oz/A 2 oz/A
Benewah	Tensed	27”	2600’	Direct Seed	10/02/24	8/12/25	Lentil	122-30-0-23 (f) 40-0-0-0 (s)	BMP**	BMP**
Winter Cereals – Winter Barley										
Latah	Genesee (Kambitsch Farm)	22’	2800’	Tilled	9/27/24	8/19/25	Hayed Peas	100-30-0-20 (f)	Axial Bold Huskie Quelex	12 fl oz/A 15 fl oz/A 0.75 fl oz/A

* (f) = fall applied, (s) = spring applied.
** Best management practice.

Table 1 (continued). Trial locations and management information for the 2024–25 Northern Idaho Extension variety trials.

County	Nursery Location	Rainfall Zone (inches)	Elevation (feet)	Production System	Planting Date	Harvest Date	Previous Crop	Fertilizer N-P-K-S (lb/A)*	Chemical	
									Product Name	Rate
Spring Cereals - Soft Spring Wheat										
Latah	Genesee	22”	2800’	Tilled	4/15/25	8/18/25	W. Wheat	100-30-0-20 (s)	Huskie Orion Axial Bold	12 fl oz/A 17 fl oz/A 15 fl oz/A
Idaho	Greencreek	22”	3100’	Reduced Tillage	4/11/25	8/13/25	W. Wheat	80-10-0-0 (f)	Axial Star Huskie Nexicor	16.4 fl oz/A 12 fl oz/A 5 fl oz/A
Spring Cereals - Hard Spring Wheat										
Latah	Genesee	22”	2800’	Tilled	4/15/25	8/18/25	W. Wheat	100-30-0-20 (s)	Huskie Orion Axial Bold	12 fl oz/A 17 fl oz/A 15 fl oz/A
Idaho	Greencreek	22”	3100’	Reduced Tillage	4/11/25	8/13/25	W. Wheat	85-10-0-0 (f)	Axial Star Huskie Nexicor	16.4 fl oz/A 12 fl oz/A 5 fl oz/A
Spring Cereals – Spring Barley										
Boundary	Bonners Ferry	25”	1750’	Tilled	4/18/25	8/20/25	W. Wheat	50-35-23-15 (s)	Propi-star EC Rally Rhonox Veltyma Affinity Stark Ultra Powerflex HL Widematch	4 fl oz/A 3 gal/A 16 fl oz/A 5 fl oz/A 0.6 fl oz/A 5.2 fl oz/A 2 fl oz/A 16 fl oz/A
Nez Perce	Genesee	20”	2650’	Direct Seed	4/14/25	8/18/25	W. Wheat	60-0-0 (f) 30-30-20 (s)	Axial Bold Affinity Brox M Tilt	15 fl oz/A 0.5 fl oz/A 1 pt/A 4 fl oz/A
Idaho	Greencreek	22”	3650’	Reduced Tillage	4/11/25	8/13/25	W. Wheat	85-10-0-0 (f)	Axial Star Huskie Nexicor	16.4 fl oz/A 12 fl oz/A 5 fl oz/A

* (f) = fall applied, (s) = spring applied.

Table 1 (continued). Trial locations and management information for the 2024–25 Northern Idaho Extension variety trials.

County	Nursery Location	Rainfall Zone (inches)	Elevation (feet)	Production System	Planting Date	Harvest Date	Previous Crop	Fertilizer N-P-K-S (lb/A)*	Chemical	
									Product Name**	Rate
Legumes - Winter Peas										
Idaho	Greencreek	22”	3650’	Direct Seed	9/25/24	7/30/25	W. Wheat	None	Valor SX (PreEm)	4 fl oz/A
									Tricor DF (PreEm)	8 fl oz/A
									Sharpen (PreEm)	2 fl oz/A
									Glystar 5 Extra (PreEm)	32 fl oz/A
									Gatlin	8 fl oz/A
									Bifenture EC	6.4 fl oz/A
									Carbaryl 4L	48 fl oz/A
									Bifenture EC	6.4 fl oz/A
Latah	Moscow (Parker Farm)	27”	2600’	Direct Seed	10/26/24	7/23/25	S. Barley	None	Valor SX (PreEm)	4 fl oz/A
									Tricor DF (PreEm)	8 fl oz/A
									Sharpen (PreEm)	2 fl oz/A
									Glystar (PreEm)	32 fl oz/A
									Gatline	8 fl oz/A
									Bifenture EC	6.4 fl oz/A
									Carbaryl 4L	48 fl oz/A
									Bifenture EC	6.4 fl oz/A

* (f) = fall applied, (s) = spring applied.
** PreEm = Post-plant, pre-emergence.

Table 1 (continued). Trial locations and management information for the 2024–25 Northern Idaho Extension variety trials.

County	Nursery Location	Rainfall Zone (inches)	Elevation (feet)	Production System	Planting Date	Harvest Date	Previous Crop	Fertilizer N-P-K-S (lb/A)*	Chemical	
									Product Name**	Rate
Legumes - Spring Peas										
Idaho	Ferdinand	22”	3600’	Direct Seed	4/25/25	9/2/25	Oats	None	Tricor (PreEm)	8 oz/A
									Valor SX (PreEm)	2 fl oz/A
									Sharpen (PreEm)	2 fl oz/A
									RT3 (PreEm)	32 fl oz/A
									Bifenture EC	6.4 fl oz/A
Nez Perce	Genesee	20”	2500’	Direct Seed	4/15/25	8/8/25	S. Wheat	None	Tricor (PreEm)	8 oz/A
									Valor SX (PreEm)	2 fl oz/A
									Sharpen (PreEm)	2 fl oz/A
									RT3 (PreEm)	32 fl oz/A
									Bifenture EC	6.4 fl oz/A
Latah	Moscow	27”	2600’	Direct Seed	4/15/25	8/6/25	S. Barley	None	Tricor (PreEm)	8 oz/A
									Valor SX (PreEm)	2 fl oz/A
									Sharpen (PreEm)	2 fl oz/A
									RT3 (PreEm)	32 fl oz/A
									Bifenture EC	6.4 fl oz/A
Legumes – Spring Lentils										
Idaho	Ferdinand	22”	3600’	Direct Seed	4/25/25	9/2/25	Oats	None	Tricor (PreEm)	4 fl oz/A
									RT3 (PreEm)	32 fl oz/A
Nez Perce	Genesee	20”	2500’	Direct Seed	4/15/25	8/25/25	S. Wheat	None	Tricor (PreEm)	4 fl oz/A
									RT3 (PreEm)	32 fl oz/A
Latah	Moscow	27”	2600’	Direct Seed	4/15/25	8/6/25	S. Barley	None	Tricor (PreEm)	4 fl oz/A
									RT3 (PreEm)	32 fl oz/A
Legumes – Chickpeas										
Idaho	Ferdinand	22”	3600’	Direct Seed	4/25/25	9/2/25	Oats	None	Tricor (PreEm)	8 oz/A
									Valor SX (PreEm)	2 fl oz/A
									Sharpen (PreEm)	2 fl oz/A
									RT3 (PreEm)	32 fl oz/A
Nez Perce	Genesee	20”	2500’	Direct Seed	4/15/25	8/25/25	S. Wheat	None	Tricor (PreEm)	8 oz/A
									Valor SX (PreEm)	2 fl oz/A
									Sharpen (PreEm)	2 fl oz/A
									RT3 (PreEm)	32 fl oz/A
Latah	Moscow	27”	2600’	Direct Seed	4/15/25	8/6/25	S. Barley	None	Tricor (PreEm)	8 oz/A
									Valor SX (PreEm)	2 fl oz/A
									Sharpen (PreEm)	2 fl oz/A
									RT3 (PreEm)	32 fl oz/A

* (f) = fall applied, (s) = spring applied. ** PreEm = Post-plant, pre-emergence. Bifenture was applied twice to all spring pea trials.

Table 2. Varieties tested in northern Idaho Extension variety trials in 2024–25.

Variety	Experimental No.	Year Released	Developer(s) or Owner of Variety
Soft White Winter Wheat			
AP Exceed	11PN039#20	2020	AgriPro /Syngenta
AP Olympia	PN17MM604207	2023	AgriPro /Syngenta
Appleby CL+	ORI2160250CL+	2019	Oregon State AES, USDA
Brundage 96	ID-B-96	2001	Idaho AES, USDA
Bruneau	ID 93-64901A	2009	Idaho AES, USDA
Gale	OR2180377	2024	Oregon State AES, USDA
GS Bounty	GS3	2022	Geneshifters
LCS Artdeco	NSA-2153A	2011	Limagrain Cereal Seeds
LCS Blackjack	LWW15-71945	2019	Limagrain Cereal Seeds
LCS Hulk	LWW14-73163	2017	Limagrain Cereal Seeds
LCS Hydra AX	--	2022	Limagrain Cereal Seeds
LCS Jefe	LWW17-8185	2022	Limagrain Cereal Seeds
LCS Kamiak	LWW17-5877	2023	Limagrain Cereal Seeds
LCS Kraken AX	--	2022	Limagrain Cereal Seeds
LCS Reaper II AX	--	2022	Limagrain Cereal Seeds
LCS Scorpion AX	LWWA19-0291	2023	Limagrain Cereal Seeds
LCS Shine	LWW14-72916	2018	Limagrain Cereal Seeds
Mallory CL+	ORI2190025 CL+	2024	Oregon State AES, USDA
Nimbus	OR2130755	2022	Oregon State AES, USDA
Nova AX	WA8346 AX	2023	Washington AES, USDA
Perrine		2024	Washington AES, USDA
Piranha CL+	WA8305 CL+	2020	Washington AES, USDA
Rydrych MZ	ARS Selbu 2.0	2025	Washington AES, USDA
Sockeye CL+	WA8306 CL+	2020	Washington AES, USDA
Stephens	OR 65-116	1977	Oregon AES, USDA
Stingray CL+	WA8275CL+	2019	Washington AES, USDA
TMC M-Pire	TMC2021SWW	2022	The McGregor Company
UI Vixen	UIL15-028024A	2024	Idaho AES, USDA
VI Encore CL+	UIL17-7706 CL+	2023	Idaho AES / Limagrain Cereal Seeds
VI Gem	UIL13-046145A	2022	Idaho AES / Limagrain Cereal Seeds
VI Voodoo CL+	UIL17-6268 CL+	2020	Idaho AES / Limagrain Cereal Seeds
WB1621	XE1304	2022	WestBred/Bayer
WB1720	--	2022	WestBred/Bayer
WB1922	XE1307	2022	WestBred/Bayer
Winter Club Wheat			
Cameo	ARSX492-6CBW	2021	Washington AES, USDA
Coda	WA7752	1998	Washington AES, USDA
Sloot	ARS14X1114RS-3CBW	2025	Washington AES, USDA
Hard Red Winter Wheat			
Artek	Apst-52	2024	Nutrien
CS Bridger CLP	MTCL 19151	2024	Montana State University
Keldin	ACS55017	2011	WestBred/Bayer
LCS Jet	NSA 7208	2015	Limagrain Cereal Seeds
LCS Missile	LWH19-0192	2023	Limagrain Cereal Seeds
Scorpio	WA8268	2019	Washington AES, USDA
WB4510CLP	XD4201	2021	WestBred/Bayer
WB4640	--	2024	WestBred/Bayer

Table 2 (cont.). Varieties tested in northern Idaho Extension variety trials in 2024–25.

Variety	Experimental No.	Year Released	Developer(s) or Owner of Variety
Soft White Spring Wheat			
Bush	WA8351	2024	Washington AES, USDA
Butch CL+	WA8354 CL+	2023	Washington AES, USDA
Hedge CL+ (Club)	WA8295 CL+	2020	Washington AES, USDA
Louise	WA7921	2004	Washington AES, USDA
Roger (Club)	WA8235	2022	Washington AES, USDA
Ryan	WA8214	2016	Washington AES, USDA
Seahawk	WA8162	2014	Washington AES, USDA
Tekoa	WA8189	2016	Washington AES, USDA
TMC Lochaven	TMC 2021	2022	The McGregor Company
WB6211CLP	XD6305	2020	WestBred/Bayer
Hard Red Spring Wheat			
Alum	WA 8166	2014	Washington AES, USDA
CP3530	--	--	WinField
Hale	WA8315	2022	Washington AES. USDA
Jefferson	IDO 462	1998	Washington AES. USDA
LCS Hammer AX	LARA18-90008	2022	Idaho AES, USDA
Net CL+	WA8280	2019	Limagrain Cereal Seeds
WB9303	--	2021	WestBred/Bayer
WB9623	XC9302	-	WestBred/Bayer
WB9668	BZ908-552	2013	WestBred/Bayer
Hard White Spring Wheat			
Dayn	WA8123	2012	Washington AES, USDA

Table 2 (cont.). Varieties tested in northern Idaho Extension variety trials in 2024–25.

Variety	Use	Experimental No.	Year Released	Developer(s) or Owner of Variety
Two-Row Spring Barley				
AAC Connect	Malt	TR04282	2016	Agriculture Canada/Canterra Seeds
Altorado	Feed	BZ509-601	2017	Highland Specialty Grains
BC Lexy	Malt	BR-14051a1	2022	Limagrain Cereal Seeds
Carleton	Feed	HO517-245	2023	Highland Specialty Grains
CDC-Copeland	Malt	TR150	1999	University of Saskatchewan, Canada
Claymore	Feed	BZ509-216	2016	Highland Specialty Grains
Goldenhart*	Food	2Ab09-X06F058HL-31	2018	Idaho AES, USDA
Kardia	Food	2Ab09-X06F084-51	2015	Idaho AES, USDA
LCS Odyssey	Malt	NSL08-4556-A	2013	Limagrain Cereal Seeds
Lenetah	Feed	01Ab11107	2007	Idaho AES, USDA
LG Slovan	Malt	--	2021	Limagrain Cereal Seeds
Salute	Food	--	2004	WestBred/Bayer
Successor	Feed	DH190481	2023	Oregon State AES, USDA
Survivor	Feed	07M-203	2017	Washington AES, USDA
Transit*	Food	03AH3054-51	2010	Idaho AES, USDA
Two-Row Winter Barley				
BC Clementine	Malt	BR-11864p1	2024	Limagrain Cereal Seeds
BS Fay	Malt	--	2024	Limagrain Cereal Seeds
Charles	Malt	94Ab1274	2005	USDA
Endeavor	Malt	95Ab2299	2008	USDA
Top Shelf	Malt	DH162310	2023	Oregon State AES, USDA
Wintmalt	Malt	--	2014	KWS Lochow

*Hulless varieties

Table 2 (cont.). Varieties tested in northern Idaho Extension variety trials in 2024–25.

Variety	Experimental No.	Year Released	Developer(s) or Owner of Variety
Winter Pea (*cotyledon color*)			
Blaze (*yellow*)	Pro 124-7130	2017	ProGene
Goldenwood (*yellow*)	Pro 124-7146	---	ProGene
Keystone (*green*)	Pro 112-7127	2020	ProGene
Klondike (*yellow*)	PS1430NZ010W	2022	USDA-ARS, Washington AES
KurtWood (*green*)	Pro 182-7137	2023	ProGene
MiCa (*green*)	PS1430NZ003W	2022	USDA-ARS, Washington AES
Payback (*yellow*)	Pro 174-7148	2023	ProGene
Vail (*green*)	Pro 122-7160	2022	ProGene
Windham (*yellow*)	PS98305358	2006	USDA-ARS, Washington AES
Spring Pea (*cotyledon color*)			
AAC Beyond (*yellow*)	P0938-4055	2024	Agriculture & Agri-Food Canada
AAC Carver (*yellow*)	MP1920	2014	Agriculture & Agri-Food Canada
Aragorn (*green*)	--	2007	ProGene
Ariel (*green*)	NZ 4L25	2001	Crop and Food Research, New Zealand
Banner (*green*)	Pro 031-7053	2007	ProGene
Carousel (*yellow*)	SW 995848	2004	ProGene
CDC Inca (*yellow*)	CDC 2847-21	2015	University of Saskatchewan
Columbian (*green*)	--	--	Campbell Soup Co.
Hampton (*green*)	PS05100736	2014	USDA-ARS, Washington AES
MS GrowPro (*yellow*)	--	2024	Meridian
MS Prostar (*yellow*)	DLR 1813	2023	Meridian
Passion (*green*)	Pro 141-6258	2025	ProGene
Shamrock (*green*)	--	2010	Valesco Genetics
Ultra (*green*)	Banner 18	--	ProGene
Chickpea			
Billybeans	--	2010	PNW Farmers Cooperative
CDC Frontier	--	2003	University of Saskatchewan
CDC Leader	493-24	2011	University of Saskatchewan
CDC Orion	--	2010	University of Saskatchewan
CDC Palmer	1041-3	2014	University of Saskatchewan
GS Devoe	--	2025	Geneshifters
Kasin	--	--	Agrigensol/Valesco Genetics
MT Bridger	NDC160236	2024	Montana State University
Nash	CA04900843C	2013	Washington AES, USDA
New Hope	NE21-11-22	2017	University of Nebraska
Quinn	--	1994	Washington AES, USDA
Sawyer	CA0090B347C	2010	Washington AES, USDA
Sierra	CA9683152	2001	Washington AES, USDA
Lentil (*Class*)			
Avondale (Medium Green)	LC01602300R	2012	Washington AES, USDA
Brewer (Large Green)	--	1984	Washington AES, USDA
Merrit (Large Green)	LC460266	2001	Washington AES, USDA
Morena (Spanish Brown)	LC02601144P	2011	Washington AES, USDA
Pardina (Spanish Brown)	--	--	Spain

2024–25 Growing Conditions and Factors Affecting Trial Results

Fall cereal trials were planted from late September to mid-October. Seeding conditions were variable with some locations having adequate seed zone moisture and other locations being dry. Despite these variable conditions, there was adequate establishment at all winter locations with the exception of the winter barley trial in Genesee, which had non-uniform emergence. The average temperatures were near normal for much of the year, but December was notably warm. (Figure 1A). There was no evidence of winter injury observed in any of the fall seeded trials. The precipitation for the 2024–25 growing season was below normal throughout northern Idaho, particularly in the spring months of April–June (Figure 1B). For the 2024–25 crop season, the Moscow location was 7.7 inches below the 30-year average. Despite the deficit of precipitation, the crop yield at many locations was near normal. Averaged across all locations, the winter wheat, spring pea, lentil, and chickpea yields were near the ten-year average (Tables 3 and 4). However, the spring wheat and spring barley were both negatively impacted by the 2025 drought with yields ranked ninth out of the past ten years. The moderate temperatures during late spring and early summer likely influenced the better-than-expected yields observed with the winter wheat and spring legumes.

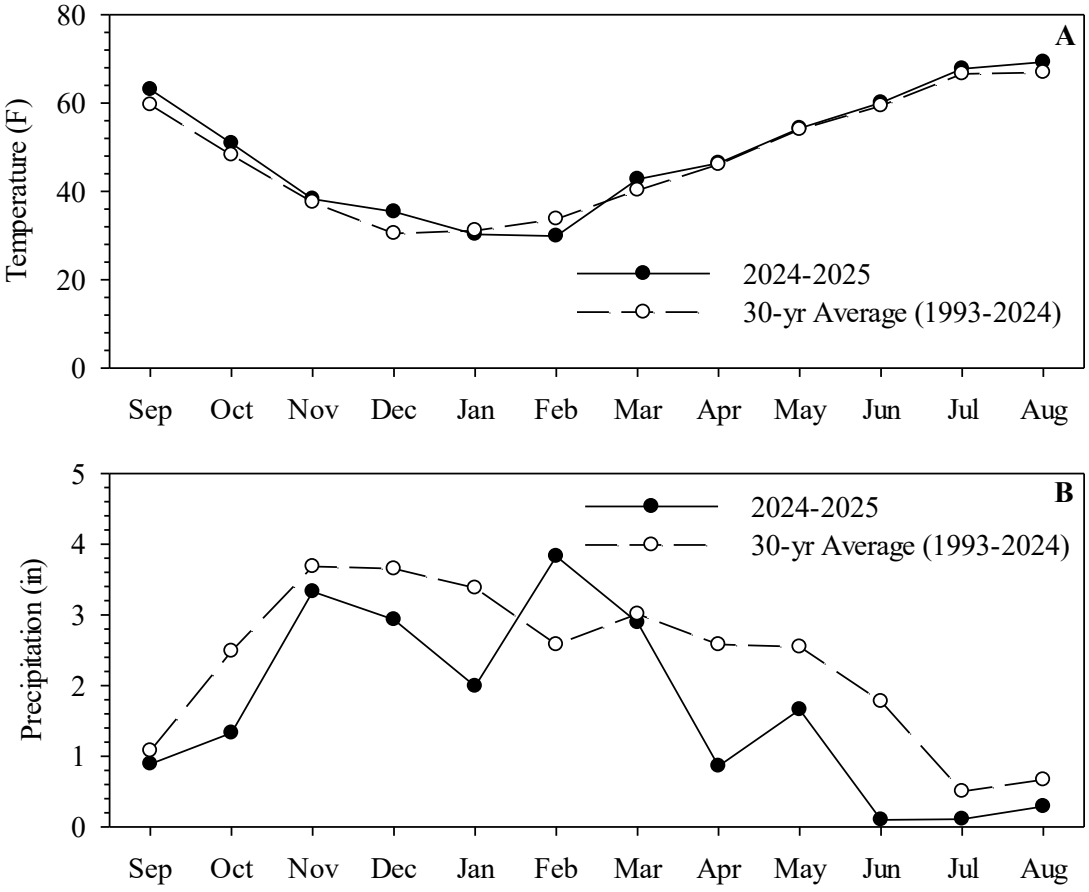

Figure 1. Mean monthly temperature (A) and precipitation (B) for the 2024–25 growing season at the Parker Plant Sciences Farm east of Moscow compared to thirty-year average.

Diseases and pests:
Stripe rust (*Puccinia striiformis* f. sp. *tritici*) on wheat is commonly observed in northern Idaho. Despite a forecast of heavy stripe rust pressure forecast early in 2025, the exceptionally dry conditions throughout the spring resulted in very low incidence of stripe rust during 2025, even on susceptible varieties. Cephalosporium stripe (*Cephalosporium graminearum*) also is commonly observed on winter wheat in northern Idaho, but there was not substantial damage caused by this pathogen during the 2024–25 growing season. While not a disease, physiological leaf spot was observed at several winter wheat locations. Not all varieties display symptoms of physiological leaf spot and there are mixed conclusions as to whether this disorder results in yield reduction. In general, plant diseases and disorders did not have a substantial role in crop performance in 2025. The exception was the winter pea trial in Greencreek. This site was impacted by Ascochyta complex early in the spring. It is important to note that Ascochyta complex on winter pea is caused by several fungi and are not the same as those that cause Ascochyta blight on chickpea. The fungi impacting winter pea will not cause Ascochyta blight on chickpea if grown in close proximity or in short rotations. Despite fungicide application to manage the disease, the winter pea yield was lower than anticipated at the Greencreek location. Bacterial blight also was reported on neighboring winter pea fields on the Camas Prairie, but was not confirmed in the field with the variety trial.

Pea weevil (*Bruchus pisorum*) was present in all winter and spring pea plots. As a result, an insecticide management plan was implemented at all locations to manage this pest, resulting in minimal weevil damage in seeds at harvest. Normally, this pest can be adequately managed by application of insecticide soon after first bloom and repeating as necessary. Since winter peas bloom for a longer duration than spring pea, a second application may be required to effectively manage this pest. Due to the variability in bloom timing in variety trials, multiple applications are often required at weekly intervals.

Another insect pest commonly observed is Hessian fly (*Mayetiola destructor*) on spring wheat. While plots in the Greencreek area were impacted by this pest in 2024, there was no evidence of injury on spring wheat in 2025. Hessian fly–susceptible varieties performed similarly to those varieties and lines with tolerance to this insect. The severity of Hessian fly varies from year to year but is best managed by seeding resistant spring wheat varieties. While uncommon in winter wheat, there have been instances of Hessian fly in winter wheat plots in previous years. Hessian fly was observed in the winter wheat trial in Bonners Ferry, but the incidence was low and did not substantially influence crop yield. There are currently only a few winter wheat varieties with tolerance to Hessian fly.

Summary of 2024–25 Results

Data was reported for all trials and locations that were seeded in the fall of 2024 and spring of 2025 with the exception of the spring legumes at Ferdinand. This location was severely damaged by hail in early August over 90% shatter. While many of the plots were impacted by weather events, diseases, or pests as outlined above, there was acceptable data produced for each of the trials in this report. Note that not all varieties or entries are included at all locations.

A summary of selected agronomic characteristics for winter wheat, spring wheat, spring barley, and spring legumes is shown in Tables 3 and 4. Winter wheat yields in 2025 were just below the ten-year average. Winter wheat test weight in 2025 was slightly higher than ten-year average at 60.8 lb/bu. The yield for spring wheat in 2025 (45 bu/A) was well below the ten-year average and ranked ninth out of the past ten years, just ahead of 2021, a year when the crop experienced excessive heat stress in late June and early July. Despite the low yield, the test weight was above the ten-year average at 60.7 lb/A. Similarly, the spring barley yield in 2025 also ranked ninth during the past ten years with an average of 66 bu/A. However, the test weight was just above the ten-year average at 51.7 lb/bu.

Unlike the spring cereals, the spring legume yields were not significantly impacted by the dry spring. The 2025 spring pea yield was 193 lb/A above the ten-year average with 2,107 lb/A. Likewise the lentil (1,112 lb/A) and chickpea (1,987 lb/A) yields were 170 lb/A and 17 lb/A above the ten-year average, respectively.

One-hundred seed weight for the peas and chickpeas were both below the ten-year average while the lentil seeds weights were the highest observed during the past ten years at 5.8 g/100 seeds. The proportion of chickpea seed larger than 22/64" were 2% higher than the ten-year average with 66% in 2025. The higher-than-average yields for spring legumes in 2025 are partially influenced by the exclusion of data from the Camas Prairie, which tends to yield lower than sites on the Palouse (Moscow and Genesee).

Specific yield data for all northern Idaho trials along with multilocation summaries are listed in Tables 5–55. Varieties or experimental lines are listed in order from highest yielding to lowest yielding in each table.

Table 3. Ten-year average of select agronomic characteristics for winter wheat, spring wheat, and spring barley, 2016–25.

Winter Wheat (all market classes)

YIELD			TEST WEIGHT			PLANT HEIGHT			LODGING		
Year	bu/A	# of Loc.	Year	lb/bu	# of Loc.	Year	inches	# of Loc.	Year	%	# of Loc
2020	128	6	2020	62.0	6	2022	40	4	2019	4	6
2016	122	6	2023	61.7	6	2024	38	6	2020	1	6
2022	120	4	2017	61.2	5	2016	38	6	2023	1	6
2024	117	6	2024	61.1	6	2020	37	6	2018	1	6
2018	115	6	2016	61.1	6	2017	36	5	**Ave.**	**1**	--
Ave.	**109**	--	2019	60.9	6	2018	36	6	2025	<1	6
2025	108	6	2025	60.8	6	**Ave.**	**36**	--	2016	0	6
2019	107	6	2018	60.8	3	2025	34	6	2017	0	5
2023	107	6	**Ave.**	**60.6**	--	2023	34	6	2021	0	4
2017	107	5	2022	60.3	4	2019	32	6	2022	0	4
2021	61	4	2021	56.1	4	2021	30	4	2024	0	6

Spring Wheat (all market classes)

YIELD			TEST WEIGHT			PLANT HEIGHT			LODGING		
Year	bu/A	# of Loc.	Year	lb/bu	# of Loc.	Year	inches	# of Loc.	Year	%	# of Loc
2020	101	1	2020	61.0	1	2020	38	1	2018	2	4
2016	72	4	2025	60.7	2	2022	34	2	2016	1	4
2022	70	2	2019	60.5	4	2018	31	4	2019	1	4
2024	61	2	2016	60.5	4	2019	30	4	**Ave.**	**<1**	--
Ave.	**61**	--	2022	60.4	2	2024	30	2	2017	0	4
2019	60	4	**Ave.**	**59.2**	--	2016	30	4	2020	0	1
2023	60	2	2017	58.3	4	**Ave.**	**30**	--	2021	0	2
2018	55	4	2023	58.0	2	2023	29	2	2022	0	2
2017	47	4	2021	57.9	2	2017	27	4	2023	0	2
2025	45	2	2018	57.8	4	2025	25	2	2024	0	2
2021	39	2	2024	57.3	2	2021	24	2	2025	0	2

Spring Barley (all market classes)

YIELD			TEST WEIGHT			PLANT HEIGHT			LODGING		
Year	bu/A	# of Loc.	Year	lb/bu	# of Loc.	Year	inches	# of Loc.	Year	%	# of Loc
2020	123	2	2020	55.7	2	2020	38	2	2016	14	4
2016	113	4	2016	53.2	4	2024	34	3	2020	9	2
2019	92	4	2018	52.5	4	2018	34	4	2024	5	3
2022	91	3	2019	52.4	4	2016	32	4	2023	4	3
Ave.	**85**	--	2022	52.0	3	2019	31	4	**Ave.**	**4**	--
2023	85	3	2025	51.7	3	2022	31	3	2019	3	4
2024	84	3	**Ave.**	**51.5**	--	**Ave.**	**31**	--	2022	2	3
2018	81	4	2024	50.9	3	2017	29	4	2018	2	4
2017	73	4	2017	50.7	4	2023	28	3	2017	0	4
2025	66	3	2023	49.1	3	2021	25	3	2021	0	3
2021	46	3	2021	47.0	3	2025	23	3	2025	0	3

Table 4. Ten-year average of select agronomic characteristics for pea, lentil, and chickpea, 2016–25.

Pea (all market classes)

YIELD			100 SEED WEIGHT			VINE LENGTH			PLANT HEIGHT INDEX		
Year	lb/A	# of Loc.	Year	grams	# of Loc.	Year	inches	# of Loc.	Year	(0-1)	# of Loc
2019	2,996	3	2016	21.7	3	2018	33	3	2017	0.89	3
2022	2,986	2	2019	21.2	3	2019	31	3	2021	0.84	2
2016	2,327	3	2022	20.2	2	2022	31	2	2018	0.82	3
2018	2,115	3	**Ave.**	**19.4**	**--**	2023	27	2	2023	0.81	2
2025	2,107	2	2023	19.2	2	2016	27	3	2025	0.81	2
Ave.	**1,914**	**--**	2017	19.0	3	2024	26	2	**Ave.**	**0.80**	**--**
2023	1,782	2	2018	18.8	3	2025	26	2	2024	0.79	2
2024	1,595	2	2025	18.6	2	**Ave.**	**26**	**--**	2019	0.77	3
2017	749	3	2021	18.2	2	2021	18	2	2016	0.73	3
2021	568	2	2024	17.7	2	2017	18	3	2022	0.72	2
2020	--	0	2020	--	0	2020	--	0	2020	--	0

Lentil (all market classes)

YIELD			100 SEED WEIGHT			PLANT HEIGHT			PLANT HEIGHT INDEX		
Year	lb/A	# of Loc.	Year	grams	# of Loc.	Year	inches	# of Loc.	Year	(0-1)	# of Loc
2019	1,311	3	2025	5.8	2	2025	16	2	2017	0.97	3
2022	1,210	1	2021	4.9	2	2022	16	1	2018	0.83	3
2025	1,112	2	2024	4.9	2	2019	15	3	2021	0.82	2
2016	1,110	3	2017	4.6	3	2023	15	2	2023	0.82	2
2018	1,076	3	**Ave.**	**4.6**	**--**	2016	15	3	**Ave.**	**0.80**	**--**
2023	984	2	2022	4.5	1	2018	15	3	2024	0.77	2
Ave.	**942**	**--**	2023	4.5	2	**Ave.**	**14**	**--**	2022	0.76	1
2017	806	3	2019	4.4	3	2024	13	2	2019	0.70	3
2024	668	2	2018	4.4	3	2017	13	3	2025	0.68	2
2021	387	2	2016	3.9	3	2021	12	2	2020	--	0
2020	--	0	2020	--	0	2020	--	0	2016	--	0

Chickpea (all market classes)

YIELD			100 SEED WEIGHT			PLANT HEIGHT			A BEAN (>22/64")		
Year	lb/A	# of Loc.	Year	grams	# of Loc.	Year	inches	# of Loc.	Year	%	# of Loc
2019	3,396	2	2019	47.3	2	2019	23	2	2019	77	2
2016	2,609	3	2017	46.3	3	2016	22	3	2022	74	1
2022	2,516	1	2022	44.5	1	2023	20	2	2017	69	3
2025	1,987	2	**Ave.**	**43.0**	**--**	2022	19	1	2025	66	2
Ave.	**1,970**	**--**	2025	42.4	2	2025	19	2	2023	66	2
2018	1,898	3	2023	42.3	2	**Ave.**	**19**	**--**	2021	65	1
2017	1,806	3	2016	42.1	3	2024	18	2	**Ave.**	**64**	**--**
2023	1,405	2	2018	41.7	3	2018	18	3	2016	57	3
2024	1,402	2	2021	41.4	1	2017	17	3	2018	51	3
2021	710	1	2024	38.6	2	2021	14	1	2024	50	2
2020	--	0	2020	--	0	2020	--	0	2020	--	0

Table 5. Soft white winter wheat variety performance results at Bonners Ferry, 2025.

Variety or Selection	3-Year Average (bu/A)	2-Year Average (bu/A)	2024–25 Crop Year				
			Seed Yield (bu/A)**	Test Weight (lb/bu)	Plant Height (in)	Lodging (%)	Seed Protein (%)
XH1046			**105**	61.5	29	0	10.7
LCS Jefe	109	119	**103**	58.9	28	0	9.6
UIL17-995133B	105	109	**102**	60.6	32	0	10.1
WA8404	102	111	94	59.9	28	0	10.9
VI Gem	114	117	94	60.8	31	0	10.3
WA8440			93	60.1	29	0	11.0
Bruneau	105	106	93	59.8	34	0	10.5
UI Vixen	108	110	92	61.1	32	0	10.4
LCS Blackjack	109	111	91	58.4	29	0	10.4
OR2170559			90	60.3	33	0	10.9
UIL14-211120A	101	105	90	60.3	31	0	10.8
WA8397	105	113	90	59.3	29	0	10.7
LCS Hulk	110	114	88	61.0	31	0	10.7
UIL17-355144A			88	61.2	28	0	10.7
Brundage 96	98	98	88	59.6	28	0	10.8
TMC M-Pire	102	107	88	62.1	28	0	11.2
Coda*	97	102	88	61.5	34	0	11.4
LCS Kamiak	102	105	88	60.2	30	0	11.5
Nimbus	98	103	88	60.4	33	0	10.9
UIL17-273052A			87	61.3	32	0	10.9
Stephens	97	101	87	61.0	31	0	11.1
GS Bounty		104	84	61.1	33	0	10.9
Sloot*		105	83	58.8	30	0	10.2
WB1922	100	107	82	63.0	33	0	11.0
UIL16-007057A		99	82	59.2	32	0	10.5
Cameo*	91	100	81	59.1	32	0	11.6
WB1720	95	106	81	61.5	26	0	11.2
OR2180149			81	58.7	30	0	10.2
Gale		96	79	58.2	28	0	10.5
XG1305			79	61.5	29	0	10.9
LCS Shine			78	58.7	26	0	10.1
WB1621			67	61.2	30	0	10.4
Average	**103**	**107**	**88**	**60.3**	**30**	**0**	**10.7**
LSD (0.05)	**6**	**8**	**9**	**0.7**	**2**	**--**	**--**
CV (%)	**7.6**	**7.9**	**7.2**	**0.8**	**4.7**	**--**	**--**

*Club wheat

**Variety or selection yields in bold were statistically equal to the top yielding variety.

Note: The seed yield of LCS Shine and WB1621 were impacted by deer injury.

Table 6. Soft white winter wheat variety performance results at Genesee, 2025.

Variety or Selection	3-Year Average (bu/A)	2-Year Average (bu/A)	2024–25 Crop Year Seed Yield (bu/A)**	Test Weight (lb/bu)	Plant Height (in)	Lodging (%)	Heading Date	Seed Protein (%)
LCS Jefe	124	127	**111**	61.7	31	0	5/29	11.3
LCS Kamiak	122	121	**108**	62.0	32	0	5/26	13.3
LCS Blackjack	117	116	**104**	60.5	31	0	5/30	12.2
OR2170559			**103**	60.8	33	0	5/28	12.7
WA8404	119	121	**102**	58.0	32	0	5/30	13.4
UIL17-995133B	114	114	**102**	62.1	32	0	5/29	12.7
TMC M-Pire	118	119	**102**	63.2	30	0	5/29	12.3
Nimbus	113	114	**100**	61.0	34	0	5/28	12.3
LCS Hulk	115	113	**100**	61.3	33	0	5/29	12.4
Perrine			**100**	60.9	32	0	5/31	12.3
AP Olympia		116	**99**	61.6	31	0	5/29	13.1
WB1720	116	119	**99**	61.5	30	0	5/29	13.0
LCS Shine	113	110	**99**	62.3	28	0	5/29	13.0
WA8440			**99**	61.6	31	0	5/30	12.5
UIL17-355144A			**99**	62.3	29	0	5/29	12.6
UIL17-273052A			**98**	61.7	33	0	5/29	12.5
Gale		118	**98**	58.9	30	0	5/30	12.5
UI Vixen	118	116	**98**	62.0	33	0	5/31	12.8
WA8397	118	119	97	57.0	33	0	5/31	13.3
AP Exceed	120	123	96	62.1	32	0	5/26	13.0
WB1922	115	113	96	61.9	33	0	6/3	13.4
VI Gem	118	117	95	61.0	30	0	5/29	12.6
Sloot*		121	95	61.5	30	0	5/30	12.2
Bruneau	115	112	94	60.6	33	0	5/31	12.0
OR2180149			94	60.5	33	0	5/29	12.9
Brundage 96	107	107	91	60.9	31	0	5/30	12.4
Cameo*	110	110	89	59.3	32	0	5/30	13.6
UIL16-007057A		113	89	60.2	31	0	5/30	13.2
GS Bounty		113	88	59.7	35	0	5/29	13.1
XG1305			87	63.9	33	0	5/26	12.9
XH1054			86	60.0	30	0	5/30	13.4
WB1621	107	104	85	63.9	32	0	5/29	12.6
Coda*	103	104	85	62.5	32	0	5/31	12.7
UIL14-211120A	111	106	83	59.0	32	0	5/30	13.6
XH1046			81	63.8	31	10	5/27	12.8
Stephens	103	101	78	60.8	32	0	5/29	13.2
Average	**115**	**114**	**95**	**61.2**	**32**	**<1**	**5/29**	**12.8**
LSD (0.05)	**8**	**10**	**14**	**1.3**	**2**	**ns**	**1.1**	**--**
CV (%)	**8.1**	**9.1**	**10.1**	**1.5**	**4.4**	**1200.0**	**15.7**	**--**

*Club wheat

**Variety or selection yields in bold were statistically equal to the top yielding variety.

Table 7. Soft white winter wheat variety performance results at Lewiston, 2025.

Variety or Selection	3-Year Average (bu/A)	2-Year Average (bu/A)	2024–25 Crop Year					
			Seed Yield (bu/A)**	Test Weight (lb/bu)	Plant Height (in)	Lodging (%)	Heading Date	Seed Protein (%)
LCS Shine	120	122	**116**	60.6	34	0	5/20	12.4
XH1046			**114**	63.6	39	0	5/19	12.7
LCS Artdeco	120	123	**111**	60.4	37	0	5/20	12.5
LCS Kamiak	128	127	**111**	60.9	39	0	5/17	12.9
LCS Blackjack	126	126	**110**	60.2	37	0	5/26	12.7
Gale		120	**110**	59.4	36	0	5/26	12.3
AP Exceed	117	121	**109**	61.8	39	0	5/19	12.6
TMC M-Pire	124	123	**109**	61.4	36	0	5/23	13.0
UIL17-995133B	127	126	**108**	61.7	39	0	5/24	13.1
WB1621	122	120	**108**	63.3	41	0	5/24	12.6
Sloot*		125	**107**	61.1	38	0	5/26	12.8
UIL17-273052A			**107**	61.0	41	0	5/24	13.3
WA8404	121	123	106	58.9	39	0	5/27	13.2
XH1054			106	60.2	39	0	5/25	13.4
OR2170559			106	60.7	42	0	5/21	12.8
OR2180149			105	59.3	39	0	5/23	13.3
XG1305			104	63.1	39	0	5/21	13.0
WA8440			103	61.0	36	0	5/25	13.6
Nimbus	119	118	103	61.2	42	0	5/21	13.3
AP Olympia		123	103	61.2	38	0	5/24	13.2
WA8397	115	117	103	58.3	39	0	5/27	13.1
UIL17-355144A			102	61.6	34	0	5/23	13.7
LCS Jefe	119	120	102	59.0	37	0	5/24	13.1
WB1720	113	114	101	60.9	37	0	5/24	13.9
LCS Hulk	120	120	100	59.8	41	0	5/25	13.8
WB1922	111	113	100	61.2	40	0	5/28	13.8
UIL16-007057A		112	99	59.0	40	0	5/25	14.4
GS Bounty		111	99	59.0	41	0	5/26	14.1
Brundage 96	110	110	99	60.0	38	0	5/25	13.5
UIL14-211120A	119	121	99	58.7	39	0	5/23	13.7
Bruneau	105	106	96	60.5	41	0	5/26	13.1
UI Vixen	111	111	95	61.5	38	0	5/27	13.3
Cameo*	102	108	93	58.0	38	0	5/27	14.6
Coda*	103	104	91	60.4	41	0	5/29	14.3
VI Gem	111	110	90	59.5	37	0	5/24	13.9
Stephens	102	99	85	57.1	36	0	5/24	14.1
Average	**116**	**117**	**103**	**60.4**	**38**	**0**	**5/24**	**13.3**
LSD (0.05)	**8**	**11**	**10**	**1.3**	**2**	**--**	**1.3**	**--**
CV (%)	**8.2**	**9.0**	**7.2**	**1.5**	**3.3**	**--**	**10.7**	**--**

*Club wheat

**Variety or selection yields in bold were statistically equal to the top yielding variety.

Table 8. Soft white winter wheat variety performance results at Moscow, 2025.

Variety or Selection	3-Year Average (bu/A)	2-Year Average (bu/A)	2024–25 Crop Year					
			Seed Yield (bu/A)**	Test Weight (lb/bu)	Plant Height (in)	Lodging (%)	Heading Date	Seed Protein (%)
WA8404	122	128	**141**	60.3	36	0	6/4	10.6
UI Vixen	120	125	**140**	62.5	36	0	6/6	10.8
Perrine			**140**	60.4	37	0	6/5	11.6
WA8397	123	130	**139**	59.6	35	0	6/4	10.7
XH1046			**139**	62.8	35	0	5/30	10.5
LCS Shine	129	134	**139**	60.1	29	0	6/1	10.8
UIL14-211120A	123	128	**138**	60.2	35	0	6/2	11.2
XG1305			**138**	62.8	34	0	5/27	11.6
UIL17-273052A			**138**	61.8	36	0	6/2	10.8
WA8440			**137**	62.3	32	0	6/2	11.0
AP Exceed	123	128	**136**	61.8	34	0	5/27	10.8
LCS Jefe	129	134	**135**	60.2	34	0	6/2	10.4
GS Bounty		117	**135**	61.3	38	0	6/4	11.7
OR2180149			**135**	59.8	35	0	6/2	10.5
WB1720	116	121	**135**	61.8	31	0	6/2	11.1
Bruneau	119	122	**135**	61.1	36	0	6/5	10.8
VI Gem	124	128	**135**	60.5	34	0	6/1	10.8
Sloot*		125	**135**	61.0	32	0	6/4	11.0
LCS Blackjack	124	129	**135**	60.0	32	0	6/3	10.5
UIL16-007057A		121	**134**	60.7	37	0	6/2	11.2
Gale		131	**133**	58.8	33	0	6/4	10.6
UIL17-995133B	116	116	**132**	62.5	33	0	6/1	11.1
AP Olympia		113	**132**	61.8	34	0	6/2	10.7
WB1621	118	119	131	63.1	34	0	6/2	10.4
OR2170559			130	61.5	36	0	5/31	11.2
Nimbus	114	116	130	61.3	36	0	6/1	11.4
Brundage 96	114	116	129	60.7	34	0	6/2	11.8
UIL17-355144A			127	62.2	31	0	6/1	11.2
LCS Kamiak	115	110	127	61.9	34	0	5/26	10.9
WB1922	112	118	126	62.0	35	0	6/7	11.3
Cameo*	113	117	125	58.9	33	0	6/4	11.5
Coda*	107	111	124	61.6	34	0	6/6	11.4
XH1054			123	60.2	34	0	6/3	10.8
TMC M-Pire	113	115	122	62.1	31	0	6/1	10.7
LCS Hulk	110	115	121	61.1	35	0	6/3	10.8
Stephens	108	114	120	60.7	33	0	6/1	11.7
Average	**118**	**122**	**132**	**61.1**	**34**	**0**	**6/2**	**11.0**
LSD (0.05)	**7**	**8**	**10**	**0.9**	**1**	**--**	**1.3**	**--**
CV (%)	**7.4**	**7.0**	**5.3**	**1.1**	**2.5**	**--**	**12.0**	**--**

*Club wheat

**Variety or selection yields in bold were statistically equal to the top yielding variety.

Table 9. Soft white winter wheat variety performance results at Nezperce, 2025.

Variety or Selection	3-Year Average (bu/A)	2-Year Average (bu/A)	2024–25 Crop Year Seed Yield (bu/A)**	Test Weight (lb/bu)	Plant Height (in)	Lodging (%)	Heading Date	Seed Protein (%)
LCS Shine	107	108	**113**	58.4	29	0	5/31	10.6
LCS Jefe	107	111	**110**	59.0	34	0	6/1	10.8
LCS Kamiak	102	98	**109**	61.1	35	0	5/28	11.2
LCS Hulk	104	107	**108**	59.8	36	0	6/1	10.6
Nimbus	101	104	**106**	59.9	37	0	5/31	11.0
UIL17-995133B	105	107	**106**	59.3	35	0	6/1	10.9
UIL17-273052A			**104**	59.6	36	0	5/31	11.2
OR2170559			**103**	59.4	37	0	5/31	11.9
WA8397	102	106	**103**	57.4	35	0	6/1	11.2
WB1922	99	103	**103**	61.6	36	0	6/3	11.5
AP Olympia		110	**102**	60.2	35	0	5/31	11.2
WA8404	103	106	**102**	57.1	36	0	6/2	11.6
XG1305			**102**	60.8	35	0	5/29	12.1
Brundage 96	96	96	**102**	59.1	35	0	6/1	11.2
UI Vixen	102	103	**102**	61.3	35	0	6/4	11.6
TMC M-Pire	100	98	**102**	61.0	34	0	5/30	10.5
WB1621	107	108	100	61.7	34	0	5/31	10.8
UIL16-007057A		103	99	57.4	36	0	6/1	12.2
VI Gem	104	105	99	58.6	35	0	5/31	11.2
Perrine			98	59.3	36	0	6/4	10.6
UIL17-355144A			98	60.3	31	0	5/31	11.5
LCS Blackjack	100	102	98	57.6	32	0	6/1	11.2
AP Exceed	108	108	97	59.0	36	0	5/30	11.5
WB1720	99	100	97	59.9	32	0	5/31	11.7
UIL14-211120A	99	97	96	58.3	36	0	6/1	12.3
GS Bounty		103	96	59.2	37	0	6/2	11.5
OR2180149			96	57.8	35	0	5/31	10.7
WA8440			95	59.8	31	0	6/1	11.9
Bruneau	98	96	94	59.0	36	0	6/2	11.6
Sloot*		99	92	59.1	31	0	6/1	12.2
Cameo*	96	96	92	57.4	32	0	6/2	11.7
Coda*	92	95	92	60.6	34	0	6/5	11.7
Gale		95	90	56.3	32	0	6/3	11.5
XH1046			90	60.6	36	0	5/30	10.6
Stephens	91	89	80	58.9	34	0	5/30	11.6
Average	**101**	**102**	**99**	**59.3**	**34**	**0**	**6/1**	**11.3**
LSD (0.05)	**6**	**9**	**12**	**1.1**	**2**	**--**	**1.4**	**--**
CV (%)	**7.6**	**8.7**	**8.4**	**1.3**	**4.9**	**--**	**12.5**	**--**

*Club wheat

**Variety or selection yields in bold were statistically equal to the top yielding variety.

Table 10. Soft white winter wheat variety performance results at Tensed, 2025.

Variety or Selection	3-Year Average (bu/A)	2-Year Average (bu/A)	2024–25 Crop Year					
			Seed Yield (bu/A)**	Test Weight (lb/bu)	Plant Height (in)	Lodging (%)	Heading Date	Seed Protein (%)
WA8404	125	127	**136**	60.4	36	0	5/31	11.6
Sloot*		121	**135**	62.0	34	0	5/31	11.0
WA8397	122	125	**135**	59.9	36	0	6/1	11.6
GS Bounty		121	**131**	61.1	39	0	6/1	11.9
XH1046			**131**	62.6	37	0	5/22	11.1
LCS Hulk	109	112	**129**	61.7	36	0	5/30	11.3
WB1621	110	109	**128**	63.0	35	0	5/25	11.2
LCS Jefe	122	124	**128**	60.1	36	0	5/28	10.7
Perrine			**128**	60.9	37	0	6/1	11.4
UIL14-211120A	109	106	**127**	60.8	35	0	5/29	11.1
UIL17-995133B	112	114	**127**	62.5	35	0	5/25	11.4
LCS Kamiak	113	109	**127**	61.0	37	0	5/21	11.7
OR2170559			**126**	60.9	38	0	5/22	11.7
OR2180149			**126**	59.3	35	0	5/23	10.6
XH1054			**125**	60.4	35	0	5/31	11.5
WB1922	114	115	**124**	61.6	37	0	6/4	11.6
AP Olympia		109	**124**	61.7	36	0	5/29	11.4
UI Vixen	116	117	**123**	62.3	37	0	6/1	10.5
Bruneau	110	109	**123**	61.8	38	0	5/30	11.5
VI Gem	112	110	**123**	61.4	36	0	5/28	11.7
UIL16-007057A		117	**121**	60.8	36	0	5/28	11.3
LCS Blackjack	108	104	120	59.9	34	0	5/30	10.9
WB1720	107	107	119	61.2	33	0	5/29	12.1
XG1305			119	63.2	36	0	5/21	11.9
UIL17-273052A			119	61.2	36	0	5/27	11.4
LCS Shine	125	125	119	60.0	30	0	5/24	10.8
WA8440			119	61.5	32	0	5/28	12.0
Cameo*	115	117	118	60.5	34	0	6/1	11.6
Nimbus	112	111	118	60.7	37	0	5/21	11.6
Gale		93	117	58.8	34	0	5/31	10.6
TMC M-Pire	108	103	117	61.2	33	0	5/29	11.7
Brundage 96	104	100	116	61.0	34	0	5/30	11.5
UIL17-355144A			115	61.8	30	0	5/27	11.5
Coda*	114	114	113	62.4	36	0	6/3	10.8
Stephens	91	87	111	60.8	33	0	5/25	11.4
AP Exceed	104	102	109	61.4	35	0	5/21	10.8
Average	**112**	**111**	**123**	**61.2**	**35**	**0**	**5/28**	**11.3**
LSD (0.05)	**10**	**11**	**16**	**0.9**	**2**	**--**	**2.7**	**--**
CV (%)	**10.6**	**9.7**	**9.4**	**1.1**	**4.1**	**--**	**24.7**	**--**

*Club wheat

**Variety or selection yields in bold were statistically equal to the top yielding variety.

Table 11. Soft white winter wheat performance comparison across northern Idaho, 2025.

Variety or Selection	3-Year Yield	2-Year Yield	2024–25 Crop Year** North Idaho Average	Bonners Ferry	Genesee	Lewiston	Moscow	Nezperce	Tensed	Test Weight	Plant Height	Lodging	Seed Protein
	bu/A									(lb/bu)	(inches)	(%)	(%)
LCS Jefe	**119**	**123**	**115**	**103**	**111**	102	**135**	**110**	**128**	59.8	33	0	11.0
WA8404	115	119	**114**	94	**102**	106	**141**	**102**	**136**	59.1	35	0	11.9
UIL17-995133B	113	114	**113**	**102**	**102**	**108**	**132**	**106**	**127**	61.4	34	0	11.6
LCS Shine			**112**	78	**99**	**116**	**139**	**113**	119	60.0	29	0	11.3
LCS Kamiak	114	112	**112**	88	**108**	**111**	127	**109**	**127**	61.2	34	0	11.9
WA8397	114	118	**111**	90	97	103	**139**	**103**	**135**	58.6	34	0	11.8
XH1046			**110**	**105**	81	**114**	**139**	90	**131**	62.5	34	2	11.4
OR2170559			**110**	90	**103**	106	130	**103**	**126**	60.6	37	0	11.9
LCS Blackjack	114	115	**110**	91	**104**	**110**	**135**	98	120	59.4	32	0	11.3
UIL17-273052A			109	87	**98**	**107**	**138**	**104**	119	61.1	36	0	11.7
UI Vixen	113	114	108	92	**98**	95	**140**	**102**	**123**	61.8	35	0	11.6
LCS Hulk	111	114	108	88	**100**	100	121	**108**	**129**	60.8	35	0	11.6
Sloot*		116	108	83	95	**107**	**135**	92	**135**	60.5	32	0	11.6
WA8440			108	93	**99**	103	**137**	95	119	61.0	32	0	12.0
Nimbus	110	111	107	88	**100**	103	130	**106**	118	60.7	36	0	11.8
TMC M-Pire	111	111	106	88	**102**	**109**	122	**102**	117	61.8	32	0	11.6
OR2180149			106	81	94	105	**135**	96	**126**	59.2	34	0	11.4
VI Gem	114	115	106	94	95	90	**135**	99	**123**	60.3	34	0	11.7
Bruneau	109	108	106	93	94	96	**135**	94	**123**	60.5	36	0	11.6
UIL14-211120A	110	110	106	90	83	99	**138**	96	**127**	59.5	35	0	12.1
GS Bounty		112	106	84	88	99	**135**	96	**131**	60.2	37	0	12.2
WB1720	108	111	105	81	**99**	101	**135**	97	119	61.1	31	0	12.2
WB1922	108	112	105	82	96	100	126	**103**	**124**	61.9	36	0	12.1
WB1621	109	112	105	67	85	**108**	131	100	**128**	62.7	34	0	11.3
UIL17-355144A			105	88	**99**	102	127	98	115	61.6	30	0	11.9
XG1305			105	79	87	104	**138**	**102**	119	62.5	34	0	12.1
Gale		109	105	79	**98**	**110**	**133**	90	117	58.4	32	0	11.3
Brundage 96	105	105	104	88	91	99	129	**102**	116	60.2	33	0	11.9
UIL16-007057A		111	104	82	89	99	**134**	99	**121**	59.6	35	0	12.1
Cameo*	105	108	100	81	89	93	125	92	118	58.9	33	0	12.5
Coda*	103	105	99	88	85	91	124	92	113	61.5	35	0	12.1
Stephens	99	98	94	87	78	85	120	80	111	59.8	33	0	12.2
AP Exceed			--	--	96	**109**	**136**	97	109	--	--	0	--
AP Olympia			--	--	**99**	103	**132**	**102**	**124**	--	--	0	--
XH1054			--	--	86	106	123	--	**125**	--	--	0	--
Perrine			--	--	**100**	--	**140**	98	**128**	--	--	0	--
LCS Artdeco			--	--	--	**111**	--	--	--	--	--	0	--
Average	**100**	**112**	**107**	**88**	**95**	**103**	**132**	**99**	**123**	**60.6**	**34**	**<1**	**11.8**
LSD (0.05)	**3**	**4**	**6**	**9**	**14**	**10**	**10**	**12**	**16**	**0.5**	**1**	**ns**	**--**
CV (%)	**8.6**	**9.2**	**9.1**	**7.2**	**10.1**	**7.2**	**5.3**	**8.4**	**9.4**	**1.5**	**4.2**	**0.8**	**--**

*Club wheat

**Variety or selection yields in bold were statistically equal to the top yielding variety.

Table 12. Soft white winter wheat (herbicide-resistant) variety performance results at Bonners Ferry, 2025.

			2024–25 Crop Year				
Variety or Selection*	3-Year Average (bu/A)	2-Year Average (bu/A)	Seed Yield (bu/A)**	Test Weight (lb/bu)	Plant Height (in)	Lodging (%)	Seed Protein (%)
Sockeye CL+	114	120	**107**	59.6	32	0	10.2
Piranha CL+	116	119	**106**	61.0	33	0	10.7
UIL19-713017B CL+			**103**	59.3	27	0	10.1
Rydrych MZ			**101**	62.0	32	0	10.8
VI Encore CL+	108	113	**100**	61.9	28	0	10.7
Stingray CL+	102	108	96	61.0	30	0	10.9
LCS Hydra AX		108	95	61.5	32	0	10.9
WA8420 AX			93	60.3	29	0	11.2
VI Voodoo CL+	97	101	93	61.8	27	0	10.9
LCS Kraken AX		105	92	62.0	33	0	11.1
Nova AX			92	60.0	30	0	10.5
OR3230026AX			89	59.3	28	0	10.9
Stephens	102	104	88	61.4	30	0	11.1
Appleby CL+	89	98	87	62.0	31	0	11.5
UIL19-713070A CL+			87	62.1	29	0	11.9
LCS Scorpion AX		100	86	61.0	30	0	11.3
Mallory CL+		98	86	60.6	27	0	11.1
LCS Reaper II AX			84	60.2	29	0	11.6
Average	**104**	**107**	**94**	**60.9**	**30**	**0**	**11.0**
LSD (0.05)	**6**	**7**	**8**	**0.4**	**2**	**--**	**--**
CV (%)	**7.6**	**6.4**	**6.0**	**0.5**	**4.5**	**--**	**--**

*Stephens was used as a common control between the two soft white wheat trials.

**Variety or selection yields in bold were statistically equal to the top yielding variety.

Table 13. Soft white winter wheat (herbicide-resistant) variety performance results at Genesee, 2025.

Variety or Selection*	3-Year Average (bu/A)	2-Year Average (bu/A)	2024–25 Crop Year					
			Seed Yield (bu/A)**	Test Weight (lb/bu)	Plant Height (in)	Lodging (%)	Heading Date	Seed Protein (%)
Piranha CL+	122	122	**98**	58.9	33	0	5/30	13.0
Sockeye CL+	123	122	**96**	58.1	35	0	5/30	13.1
UIL19-713017B CL+			**95**	57.3	30	0	5/30	12.7
OR3230026AX			**94**	60.9	30	0	5/27	12.7
LCS Hydra AX		114	**90**	62.2	32	0	5/28	12.6
LCS Kraken AX		104	88	60.0	34	0	5/29	13.2
LCS Scorpion AX		109	88	59.9	30	0	5/28	13.1
Mallory CL+		117	88	60.5	30	0	5/27	13.7
VI Encore CL+	113	111	87	61.1	32	0	5/29	13.5
WA8420 AX			86	58.8	31	0	5/27	14.3
Stingray CL+	107	107	85	58.5	31	0	5/30	14.3
UIL19-713070A CL+			85	63.4	32	0	5/26	14.1
Nova AX			85	57.7	35	0	5/30	13.4
VI Voodoo CL+	112	112	84	59.6	29	0	5/29	13.8
Rydrych MZ			81	60.1	33	0	6/1	13.4
Stephens	104	100	78	60.1	30	0	5/29	13.3
Appleby CL+	102	103	78	60.0	32	3	5/28	13.3
LCS Reaper II AX			73	62.9	33	0	5/25	14.7
Average	**112**	**111**	**87**	**60.0**	**32**	**<1**	**5/28**	**13.5**
LSD (0.05)	**7**	**8**	**9**	**1.1**	**2**	**ns**	**0.9**	**--**
CV (%)	**8.0**	**7.3**	**7.3**	**1.3**	**5.0**	**848.5**	**15.0**	**--**

*Stephens was used as a common control between the two soft white wheat trials.

**Variety or selection yields in bold were statistically equal to the top yielding variety.

Table 14. Soft white winter wheat (herbicide-resistant) variety performance results at Lewiston, 2025.

Variety or Selection	3-Year Average (bu/A)	2-Year Average (bu/A)	2024–25 Crop Year Seed Yield (bu/A)**	Test Weight (lb/bu)	Plant Height (in)	Lodging (%)	Heading Date	Seed Protein (%)
OR3230026AX			**109**	60.7	39	0	5/20	12.5
Mallory CL+		127	**109**	60.9	38	0	5/18	13.0
Sockeye CL+	118	120	**108**	59.4	40	0	5/26	13.3
UIL19-713070A CL+			**108**	63.6	39	0	5/21	13.7
WA8420 AX			**106**	58.6	39	0	5/22	13.6
UIL19-713017B CL+			**104**	57.5	36	0	5/24	12.9
Piranha CL+	118	118	**104**	60.0	41	0	5/25	13.1
Rydrych MZ			**103**	60.8	39	0	5/27	13.8
LCS Hydra AX		112	**101**	62.0	40	0	5/23	13.4
LCS Reaper II AX			100	62.3	39	0	5/16	13.3
LCS Kraken AX		110	98	59.4	42	0	5/23	13.8
Appleby CL+	112	111	98	60.7	41	0	5/21	13.4
VI Voodoo CL+	118	117	98	58.5	35	0	5/23	13.4
LCS Scorpion AX		117	98	59.7	39	0	5/22	13.2
VI Encore CL+	119	116	96	60.7	35	0	5/25	13.4
Nova AX			94	57.6	42	0	5/25	14.3
Stingray CL+	113	112	91	58.4	37	0	5/26	14.3
Stephens	100	100	88	58.1	38	0	5/22	13.8
Average	**114**	**115**	**101**	**59.9**	**39**	**0**	**5/23**	**13.5**
LSD (0.05)	**6**	**8**	**9**	**1.4**	**2**	**--**	**1.1**	**--**
CV (%)	**6.6**	**6.6**	**6.6**	**1.6**	**3.2**	**--**	**10.0**	**--**

*Stephens was used as a common control between the two soft white wheat trials.
**Variety or selection yields in bold were statistically equal to the top yielding variety.

Table 15. Soft white winter wheat (herbicide-resistant) variety performance results at Moscow, 2025.

Variety or Selection*	3-Year Average (bu/A)	2-Year Average (bu/A)	2024–25 Crop Year					
			Seed Yield (bu/A)**	Test Weight (lb/bu)	Plant Height (in)	Lodging (%)	Heading Date	Seed Protein (%)
UIL19-713017B CL+			**151**	59.7	32	0	6/3	10.3
Sockeye CL+	133	135	**144**	60.2	37	0	6/2	10.9
VI Encore CL+	127	125	134	61.1	34	0	6/5	10.9
Piranha CL+	126	123	133	60.6	37	0	6/3	10.5
OR3230026AX			133	60.7	34	0	5/28	11.5
LCS Reaper II AX			131	62.2	35	0	5/26	11.4
Rydrych MZ			131	62.2	35	0	6/5	11.0
WA8420 AX			131	60.4	34	0	5/31	10.7
LCS Scorpion AX		122	130	59.8	35	0	6/1	11.1
VI Voodoo CL+	127	128	130	60.3	30	0	6/3	11.1
LCS Hydra AX		121	128	62.4	35	0	6/2	11.4
UIL19-713070A CL+			127	63.4	34	0	5/27	12.1
Mallory CL+		114	127	60.7	33	0	5/28	11.0
Nova AX			126	60.4	37	0	6/3	11.0
Stingray CL+	120	121	125	60.0	32	0	6/3	11.3
Appleby CL+	113	110	120	61.6	35	0	6/2	11.6
Stephens	115	115	120	60.2	34	0	6/2	11.8
LCS Kraken AX		107	115	59.9	36	0	6/3	12.4
Average	**123**	**120**	**130**	**60.9**	**34**	**0**	**6/1**	**11.2**
LSD (0.05)	**9**	**10**	**16**	**0.9**	**1**	**--**	**1.6**	**--**
CV (%)	**8.8**	**8.6**	**8.5**	**1.0**	**2.6**	**--**	**15.7**	**--**

*Stephens was used as a common control between the two soft white wheat trials.
**Variety or selection yields in bold were statistically equal to the top yielding variety.

Table 16. Soft white winter wheat (herbicide-resistant) variety performance results at Nezperce, 2025.

Variety or Selection*	3-Year Average (bu/A)	2-Year Average (bu/A)	2024–25 Crop Year					
			Seed Yield (bu/A)**	Test Weight (lb/bu)	Plant Height (in)	Lodging (%)	Heading Date	Seed Protein (%)
Rydrych MZ			106	59.8	35	0	6/3	11.6
WA8420 AX			106	57.4	35	0	5/31	12.5
Sockeye CL+	104	110	102	58.1	34	0	6/1	11.1
Stingray CL+	97	103	101	57.3	33	0	6/2	11.4
UIL19-713017B CL+			101	56.2	33	0	6/1	11.4
Piranha CL+	99	102	101	58.8	36	0	6/2	11.4
LCS Hydra AX		100	100	60.4	35	0	6/2	11.1
LCS Reaper II AX			100	61.3	37	0	5/28	11.8
OR3230026AX			98	58.8	34	0	5/29	10.7
UIL19-713070A CL+			97	61.9	34	0	5/30	11.9
Nova AX			96	57.4	37	0	6/1	11.6
LCS Scorpion AX		98	95	59.1	35	0	5/30	11.9
VI Encore CL+	100	103	95	58.8	33	0	6/1	11.7
VI Voodoo CL+	95	97	95	57.6	31	0	6/1	11.3
Mallory CL+		99	94	58.9	34	0	5/31	11.5
LCS Kraken AX		98	93	58.8	38	0	6/3	11.4
Appleby CL+	95	101	92	59.2	36	0	6/1	11.4
Stephens	93	92	87	57.9	34	0	5/31	12.5
Average	**98**	**100**	**98**	**58.8**	**35**	**0**	**5/31**	**11.6**
LSD (0.05)	**6**	**9**	**ns**	**0.9**	**2**	**--**	**1.6**	**--**
CV (%)	**7.6**	**8.6**	**8.3**	**1.1**	**4.8**	**--**	**15.0**	**--**

*Stephens was used as a common control between the two soft white wheat trials.
**Variety or selection yields in bold were statistically equal to the top yielding variety.

Table 17. Soft white winter wheat (herbicide-resistant) variety performance results at Tensed, 2025.

Variety or Selection*	3-Year Average (bu/A)	2-Year Average (bu/A)	2024–25 Crop Year					
			Seed Yield (bu/A)**	Test Weight (lb/bu)	Plant Height (in)	Lodging (%)	Heading Date	Seed Protein (%)
Piranha CL+	121	125	**141**	61.2	38	0	5/30	11.2
WA8420 AX			**133**	61.8	34	0	5/24	11.2
VI Voodoo CL+	110	105	**129**	60.8	31	0	5/30	10.9
UIL19-713017B CL+			**129**	60.4	32	0	5/31	10.6
VI Encore CL+	113	115	**128**	62.0	35	0	5/30	11.8
OR3230026AX			**128**	60.8	35	0	5/21	11.0
Mallory CL+		109	123	61.0	35	0	5/21	11.4
Stingray CL+	113	114	122	61.2	33	0	6/1	11.7
LCS Reaper II AX			118	61.6	36	0	5/21	11.8
LCS Hydra AX		108	118	62.6	36	0	5/23	10.6
Nova AX			117	61.4	38	0	5/27	10.7
LCS Scorpion AX		110	116	61.6	35	0	5/21	11.2
Sockeye CL+	116	115	116	60.6	37	0	5/31	10.5
Appleby CL+	104	103	114	61.9	36	0	5/21	11.6
Rydrych MZ			113	62.3	34	0	6/1	11.8
LCS Kraken AX		104	111	62.1	37	0	5/25	11.9
UIL19-713070A CL+			110	62.2	35	0	5/21	12.0
Stephens	93	87	106	60.9	34	0	5/25	11.4
Average	**110**	**109**	**121**	**61.5**	**35**	**0**	**5/25**	**11.3**
LSD (0.05)	**8**	**10**	**17**	**0.7**	**2**	**--**	**2.5**	**--**
CV (%)	**8.6**	**9.5**	**9.7**	**0.8**	**3.9**	**--**	**30.5**	**--**

*Stephens was used as a common control between the two soft white wheat trials.

**Variety or selection yields in bold were statistically equal to the top yielding variety.

Table 18. Soft white winter wheat (herbicide-resistant) performance comparison across northern Idaho, 2025.

Variety or Selection	3-Year Yield	2-Year Yield	2024–25 Crop Year* North Idaho Average	Bonners Ferry	Genesee	Lewiston	Moscow	Nezperce	Tensed	Test Weight	Plant Height	Lodging	Seed Protein
	bu/A									(lb/bu)	(inches)	(%)	(%)
UIL19-713017B CL+			**114**	**103**	**95**	**104**	**151**	101	**129**	58.4	32	0	11.3
Piranha CL+	**117**	**118**	**114**	**106**	**98**	**104**	133	101	**141**	60.1	36	0	11.7
Sockeye CL+	**118**	**120**	**112**	**107**	**96**	**108**	**144**	102	116	59.3	36	0	11.5
WA8420 AX			**109**	93	86	**106**	131	106	**133**	59.5	33	0	12.2
OR3230026AX			108	89	**94**	**109**	133	98	**128**	60.2	33	0	11.5
VI Encore CL+	114	114	107	**100**	87	96	134	95	**128**	60.9	33	0	12.0
Rydrych MZ			106	**101**	81	**103**	131	106	113	61.2	34	0	12.1
LCS Hydra AX		110	105	95	**90**	**101**	128	100	118	61.8	35	0	11.7
VI Voodoo CL+	110	110	105	93	84	98	130	95	**129**	59.8	31	0	11.9
Mallory CL+		111	104	86	88	**109**	127	94	123	60.4	33	0	12.0
Stingray CL+	109	111	104	96	85	91	125	101	122	59.4	33	0	12.3
UIL19-713070A CL+			102	87	85	**108**	127	97	110	62.7	34	0	12.6
LCS Scorpion AX		109	102	86	88	98	130	95	116	60.2	34	0	12.0
Nova AX			102	92	85	94	126	96	117	59.1	36	0	11.9
LCS Reaper II AX			101	84	73	100	131	100	118	61.8	35	0	12.4
LCS Kraken AX		105	100	92	88	98	115	93	111	60.3	37	0	12.3
Appleby CL+	103	104	98	87	78	98	120	92	114	60.9	35	<1	12.1
Stephens	101	100	94	88	78	88	120	87	106	59.8	33	0	12.3
Average	**110**	**110**	**105**	**93**	**87**	**101**	**130**	**98**	**121**	**60.3**	**34**	**<1**	**12.0**
LSD (0.05)	**3**	**4**	**6**	**8**	**9**	**9**	**16**	**ns**	**17**	**0.5**	**1**	**ns**	**--**
CV (%)	**8.4**	**9.1**	**10.0**	**6.0**	**7.3**	**6.6**	**8.5**	**8.3**	**9.7**	**1.4**	**4.1**	**--**	**--**

*Variety or selection yields in bold were statistically equal to the top yielding variety.

Table 19. Hard winter wheat variety performance results at Bonners Ferry, 2025.

Variety or Selection	3-Year Average (bu/A)	2-Year Average (bu/A)	2024–25 Crop Year				
			Seed Yield (bu/A)*	Test Weight (lb/bu)	Plant Height (in)	Lodging (%)	Seed Protein (%)
WA8401		128	**111**	61.8	29	0	10.2
LCS Jet			**107**	61.6	28	0	11.3
LCS Missile		120	**107**	62.0	29	0	11.6
WA8399		121	**105**	61.8	28	0	11.2
Scorpio	109	117	100	62.1	29	0	11.8
OR2190064R	103	110	99	62.9	27	0	11.7
Keldin	107	111	98	63.3	31	0	11.9
WB4510CLP	106	112	96	64.8	31	0	11.7
WB4640			95	63.6	30	0	11.1
OR2190160R		105	94	61.8	28	0	12.2
CS Bridger CLP			93	62.8	30	0	13.0
OR3230010H AX			91	61.9	32	0	11.7
Average	**106**	**116**	**100**	**62.5**	**29**	**0**	**11.6**
LSD (0.05)	**ns**	**9**	**8**	**0.6**	**2**	**--**	**--**
CV (%)	**7.9**	**7.3**	**5.7**	**0.6**	**3.9**	**--**	**--**

*Variety or selection yields in bold were statistically equal to the top yielding variety.

Table 20. Hard winter wheat variety performance results at Genesee, 2025.

Variety or Selection	3-Year Average (bu/A)	2-Year Average (bu/A)	2024–25 Crop Year					
			Seed Yield (bu/A)*	Test Weight (lb/bu)	Plant Height (in)	Lodging (%)	Heading Date	Seed Protein (%)
OR2190064R	115	114	**104**	62.8	31	0	5/29	13.6
LCS Jet			**103**	61.5	31	0	5/27	13.4
Apst-132			**103**	61.2	30	0	5/25	13.7
WA8401		116	**103**	59.5	31	0	5/29	12.5
OR2190160R		114	**102**	63.7	31	0	5/26	12.6
Scorpio	110	117	**102**	61.8	32	0	5/29	13.5
Keldin	115	114	**101**	62.8	35	0	5/30	13.4
WA8399		117	**100**	59.8	31	0	5/29	12.4
LCS Missile		115	**98**	61.2	33	0	5/28	13.6
NAS-W25-02			96	63.0	34	0	5/28	13.5
Artek			94	62.4	30	0	5/29	13.5
WB4640			93	63.8	34	0	5/27	12.8
OR3230010H AX			88	62.0	35	0	5/26	12.3
CS Bridger CLP			86	63.3	30	0	5/29	14.1
WB4510CLP	110	105	85	64.7	34	0	5/28	13.7
Average	**112**	**114**	**97**	**62.2**	**32**	**0**	**5/28**	**13.2**
LSD (0.05)	**ns**	**ns**	**7**	**0.9**	**2**	**--**	**0.8**	**--**
CV (%)	**8.4**	**9.1**	**5.2**	**1.0**	**4.1**	**--**	**13.9**	**--**

*Variety or selection yields in bold were statistically equal to the top yielding variety.

Table 21. Hard winter wheat variety performance results at Lewiston, 2025.

Variety or Selection	3-Year Average (bu/A)	2-Year Average (bu/A)	2024–25 Crop Year					
			Seed Yield (bu/A)*	Test Weight (lb/bu)	Plant Height (in)	Lodging (%)	Heading Date	Seed Protein (%)
OR2190160R		119	**117**	64.1	38	0	5/20	13.8
WA8401		120	**113**	61.1	37	0	5/25	13.4
LCS Jet			**112**	61.4	39	0	5/20	14.2
OR2190064R	118	121	**111**	63.1	37	0	5/23	14.1
WB4640			**111**	63.2	41	0	5/22	14.3
LCS Missile		119	**110**	61.5	41	0	5/22	14.2
Scorpio	114	117	109	61.8	36	0	5/23	14.0
WA8399		115	108	60.6	37	0	5/23	13.1
OR3230010H AX			107	61.9	42	0	5/18	13.3
Keldin	120	121	106	63.1	41	0	5/23	14.2
WB4510CLP	110	112	101	64.4	40	0	5/21	14.2
CS Bridger CLP			96	63.1	37	0	5/22	14.9
Average	**116**	**118**	**108**	**62.4**	**39**	**0**	**5/22**	**14.0**
LSD (0.05)	**6**	**ns**	**8**	**0.8**	**1**	**--**	**1.7**	**--**
CV (%)	**6.1**	**8.4**	**5.2**	**0.9**	**2.4**	**--**	**17.5**	**--**

*Variety or selection yields in bold were statistically equal to the top yielding variety.

Table 22. Hard winter wheat variety performance results at Moscow, 2025.

Variety or Selection	3-Year Average (bu/A)	2-Year Average (bu/A)	2024–25 Crop Year					
			Seed Yield (bu/A)*	Test Weight (lb/bu)	Plant Height (in)	Lodging (%)	Heading Date	Seed Protein (%)
LCS Jet			**147**	61.0	35	0	5/27	12.1
Keldin	138	137	**145**	63.3	36	0	6/3	12.5
WB4640			**144**	64.0	36	0	6/1	12.1
LCS Missile		136	**143**	62.2	36	0	6/1	11.8
Apst-132			**140**	60.2	32	0	6/1	12.7
NAS-W25-02			138	62.5	34	0	5/29	12.8
WA8401		135	137	59.2	33	0	6/4	11.2
OR2190064R	128	129	137	62.2	32	0	6/2	12.6
Artek			137	61.2	31	0	5/28	12.9
OR3230010H AX			136	62.0	37	0	5/26	10.7
WA8399		134	135	59.3	32	0	6/4	11.8
Scorpio	131	132	134	61.6	32	0	6/2	12.5
OR2190160R		120	133	62.8	32	0	5/31	12.4
WB4510CLP	115	109	126	64.8	35	0	5/31	12.3
CS Bridger CLP			118	63.0	33	0	5/31	12.6
Average	**128**	**129**	**137**	**61.9**	**34**	**0**	**5/31**	**12.2**
LSD (0.05)	**8**	**8**	**8**	**0.7**	**1**	**--**	**1.9**	**--**
CV (%)	**7.3**	**6.2**	**4.2**	**0.8**	**2.8**	**--**	**21.4**	**--**

*Variety or selection yields in bold were statistically equal to the top yielding variety.

Table 23. Hard winter wheat variety performance results at Nezperce, 2025.

Variety or Selection	3-Year Average (bu/A)	2-Year Average (bu/A)	2024–25 Crop Year					
			Seed Yield (bu/A)*	Test Weight (lb/bu)	Plant Height (in)	Lodging (%)	Heading Date	Seed Protein (%)
WB4640			**118**	62.2	37	0	5/31	11.4
OR2190064R	104	112	**116**	60.6	32	0	5/31	11.9
Keldin	111	118	**114**	61.6	38	0	5/31	11.4
LCS Jet			**114**	59.4	34	0	5/30	11.8
LCS Missile		111	110	60.3	36	0	5/31	12.1
OR2190160R		108	109	61.4	32	0	5/30	12.2
Apst-132			107	57.5	31	0	6/1	12.0
CS Bridger CLP			107	62.0	35	0	5/30	12.9
Artek			106	60.2	32	0	5/29	12.6
WA8401		110	106	58.3	32	0	6/3	11.6
WB4510CLP	101	107	105	62.5	36	0	5/31	12.1
OR3230010H AX			105	60.6	39	0	5/29	11.1
NAS-W25-02			103	60.1	35	0	5/31	12.1
Scorpio	103	111	101	58.9	32	0	5/31	12.7
WA8399		104	101	57.1	32	0	6/2	11.9
Average	**105**	**110**	**108**	**60.2**	**34**	**0**	**5/31**	**12.0**
LSD (0.05)	**7**	**ns**	**8**	**1.2**	**2**	**--**	**1.1**	**--**
CV (%)	**7.7**	**7.7**	**5.5**	**1.4**	**4.5**	**--**	**11.1**	**--**

*Variety or selection yields in bold were statistically equal to the top yielding variety.

Table 24. Hard winter wheat variety performance results at Tensed, 2025.

Variety or Selection	3-Year Average (bu/A)	2-Year Average (bu/A)	2024–25 Crop Year					
			Seed Yield (bu/A)*	Test Weight (lb/bu)	Plant Height (in)	Lodging (%)	Heading Date	Seed Protein (%)
LCS Jet			**143**	61.3	36	0	5/25	12.2
NAS-W25-02			**142**	62.6	38	0	5/21	12.3
WB4640			**140**	63.5	38	0	5/23	11.8
LCS Missile		121	**138**	62.3	37	0	5/29	12.0
WA8399		135	**138**	61.2	34	0	5/31	11.2
Apst-132			**137**	60.9	33	0	5/29	11.5
OR2190160R		119	**137**	63.2	35	0	5/25	12.5
Keldin	124	125	**136**	63.0	39	0	5/22	12.1
OR2190064R	115	119	**135**	62.5	34	0	5/30	12.4
WA8401		133	**132**	60.8	34	0	5/31	11.5
Scorpio	119	122	**131**	61.9	34	0	5/28	12.1
Artek			128	61.2	33	0	5/22	12.2
WB4510CLP	106	110	122	64.7	38	0	5/24	12.1
CS Bridger CLP			116	62.6	36	0	5/23	13.0
OR3230010H AX			114	62.6	39	0	5/21	11.4
Average	**116**	**123**	**133**	**62.3**	**36**	**0**	**5/25**	**12.0**
LSD (0.05)	**8**	**10**	**14**	**0.7**	**2**	**--**	**2.4**	**--**
CV (%)	**8.7**	**8.4**	**7.2**	**0.8**	**3.4**	**--**	**30.4**	**--**

*Variety or selection yields in bold were statistically equal to the top yielding variety.

Table 25. Hard winter wheat performance comparison across northern Idaho, 2025.

Variety or Selection	3-Year Yield	2-Year Yield	2024–25 Crop Year*										
			North Idaho Average	Bonners Ferry	Genesee	Lewiston	Moscow	Nezperce	Tensed	Test Weight	Plant Height	Lodging	Seed Protein
	---------- bu/A ----------									(lb/bu)	(inches)	(%)	(%)
LCS Jet			**121**	**107**	**103**	**112**	**147**	**114**	**143**	61.0	34	0	12.5
LCS Missile		**120**	**117**	**107**	**98**	**110**	**143**	110	**138**	61.5	35	0	12.5
WA8401		**123**	**117**	**111**	**103**	**113**	137	106	**132**	60.1	32	0	11.7
OR2190064R	114	117	**117**	99	**104**	**111**	137	**116**	**135**	62.3	32	0	12.7
WB4640			**117**	95	93	**111**	**144**	**118**	**140**	63.4	36	0	12.3
Keldin	**119**	**121**	**117**	98	**101**	106	**145**	**114**	**136**	62.8	36	0	12.6
OR2190160R		114	115	94	**102**	**117**	133	109	**137**	62.8	32	0	12.6
WA8399		**121**	114	**105**	**100**	108	135	101	**138**	60.0	32	0	12.0
Scorpio	114	119	113	100	**102**	109	134	101	**131**	61.3	32	0	12.7
OR3230010H AX			107	91	88	107	136	105	114	61.8	37	0	11.7
WB4510CLP	108	109	106	96	85	101	126	105	122	64.3	36	0	12.7
CS Bridger CLP			102	93	86	96	118	107	116	62.8	34	0	13.4
Artek			**--**	--	94	--	137	106	128	--	--	--	--
Apst-132			**--**	--	**103**	--	**140**	107	**137**	--	--	--	--
NAS-W25-02			--	--	96	--	138	103	**142**	--	--	--	--
Average	**114**	**118**	**114**	**100**	**97**	**108**	**137**	**108**	**133**	**62.0**	**34**	**0**	**12.5**
LSD (0.05)	**3**	**4**	**5**	**8**	**7**	**8**	**8**	**8**	**14**	**0.4**	**1**	**--**	**--**
CV (%)	**8.1**	**8.8**	**8.1**	**5.7**	**5.2**	**5.2**	**4.2**	**5.5**	**7.2**	**1.1**	**3.6**	**--**	**--**

*Variety or selection yields in bold were statistically equal to the top yielding variety.

Table 26. Soft white spring wheat variety performance results at Genesee, 2025.

Variety or Selection	3-Year Average (bu/A)	2-Year Average (bu/A)	2025 Crop Year Seed Yield (bu/A)**	Test Weight (lb/bu)	Plant Height (in)	Lodging (%)	Heading Date	Seed Protein (%)
WA8408		72	**68**	62.6	29	0	6/16	10.9
Ryan	69	64	**63**	61.1	28	0	6/15	10.9
Bush	68	64	**62**	60.6	27	0	6/18	10.7
WA8384		66	**62**	61.6	28	0	6/15	10.2
Butch CL+	69	67	**62**	61.5	25	0	6/16	11.4
WA8433			**62**	61.3	29	0	6/16	10.9
Seahawk	68	64	60	61.0	25	0	6/20	10.4
TMC Lochaven		61	58	61.7	26	0	6/17	11.1
Roger*	70	65	58	62.4	26	0	6/16	10.7
WA8434			57	62.7	30	0	6/15	11.4
Hedge CL+*	67	60	56	61.8	28	0	6/19	10.9
WB6211CLP	60	54	54	59.3	25	0	6/16	11.9
Louise		59	53	60.4	31	0	6/19	10.6
Tekoa	61	58	53	61.4	29	0	6/21	10.8
WA8327	67	61	53	61.3	27	0	6/18	10.2
Average	**67**	**63**	**59**	**61.4**	**27**	**0**	**6/17**	**10.9**
LSD (0.05)	**5**	**4**	**7**	**1.0**	**2**	**--**	**1.6**	**--**
CV (%)	**8.8**	**7.2**	**8.1**	**1.2**	**6.0**	**--**	**16.0**	**--**

*Spring club.

**Variety or selection yields in bold were statistically equal to the top yielding variety.

Table 27. Soft white spring wheat variety performance results at Greencreek, 2025.

Variety or Selection	3-Year Average (bu/A)	2-Year Average (bu/A)	2025 Crop Year Seed Yield (bu/A)**	Test Weight (lb/bu)	Plant Height (in)	Lodging (%)	Heading Date	Seed Protein (%)
Roger*	57	59	**49**	61.2	23	0	6/13	12.9
WA8408		62	**47**	60.8	26	0	6/15	13.1
WA8434			**47**	61.9	27	0	6/12	13.1
WA8327	60	60	**47**	60.0	26	0	6/16	13.2
Ryan	61	61	**45**	59.6	25	0	6/12	13.3
WA8384		43	44	60.4	25	0	6/14	13.2
WA8433			43	60.6	26	0	6/14	13.5
Hedge CL+*	43	41	41	60.5	24	0	6/17	13.8
Louise		53	40	59.4	26	0	6/15	13.5
Bush	59	59	40	61.0	24	0	6/14	12.9
WB6211CLP	51	51	35	57.2	22	0	6/13	14.9
TMC Lochaven		53	35	59.9	23	0	6/15	14.2
Butch CL+	53	51	33	60.0	23	0	6/11	13.7
Tekoa	51	51	33	59.5	26	0	6/17	13.9
Seahawk	52	53	32	60.7	24	0	6/15	13.7
Average	**54**	**54**	**41**	**60.2**	**24**	**0**	**6/14**	**13.5**
LSD (0.05)	**5**	**7**	**5**	**0.9**	**2**	**--**	**1.6**	**--**
CV (%)	**11.7**	**12.3**	**9.3**	**1.1**	**4.9**	**--**	**17.9**	**--**

*Spring club.

**Variety or selection yields in bold were statistically equal to the top yielding variety.

Table 28. Soft white spring wheat performance comparison across northern Idaho, 2024.

Variety or Selection	3-Year Yield	2-Year Yield	2025 Crop Year** North Idaho Average	Genesee	Greencreek	Test Weight	Plant Height	Lodging	Seed Protein
	---------- bu/A ----------					(lb/bu)	(inches)	(%)	(%)
WA8408		**67**	**57**	**68**	**47**	61.7	27	0	12.0
Ryan	**65**	63	**54**	**63**	**45**	60.4	26	0	12.1
Roger*	**63**	62	**54**	58	**49**	61.8	25	0	11.8
WA8384		54	**53**	**62**	44	61.0	26	0	11.7
WA8433			**52**	**62**	43	60.9	27	0	12.2
WA8434			**52**	57	**47**	62.3	28	0	12.2
Bush	**64**	62	51	**62**	40	60.8	25	0	11.8
WA8327	**64**	60	50	53	**47**	60.7	26	0	11.7
Hedge CL+*	55	50	49	56	41	61.1	26	0	12.3
Butch CL+	61	59	48	**62**	33	60.7	24	0	12.5
Louise		56	47	53	40	59.9	28	0	12.1
TMC Lochaven		57	47	58	35	60.8	25	0	12.7
Seahawk	60	59	46	60	32	60.8	24	0	12.0
WB6211CLP	55	53	44	54	35	58.2	24	0	13.4
Tekoa	56	55	43	53	33	60.5	27	0	12.4
Average	**60**	**58**	**50**	**59**	**41**	**60.8**	**26**	**0**	**12.2**
LSD (0.05)	**4**	**4**	**6**	**7**	**5**	**0.7**	**2**	**--**	**--**
CV (%)	**10.2**	**10.7**	**12.8**	**8.1**	**9.3**	**1.1**	**6.9**	**--**	**--**

*Club wheat

**Variety or selection yields in bold were statistically equal to the top yielding variety.

Table 29. Hard spring wheat variety performance results at Genesee, 2025.

Variety or Selection	Market Class*	3-Year Average (bu/A)	2-Year Average (bu/A)	2025 Crop Year					
				Seed Yield (bu/A)**	Test Weight (lb/bu)	Plant Height (in)	Lodging (%)	Heading Date	Seed Protein (%)
Hale	HRS	67	61	**55**	62.8	29	0	6/16	12.9
Dayn	HWS	63	55	**50**	62.1	26	0	6/14	12.9
WB9623	HRS	59	54	49	61.2	27	0	6/19	12.4
Net CL+	HRS	61	56	49	62.9	27	0	6/20	13.7
Jefferson	HRS	59	53	48	60.8	25	0	6/16	12.7
Alum	HRS	58	51	47	61.9	26	0	6/17	12.7
CP3555	HRS			47	61.7	24	0	6/16	13.2
CP3055	HRS		52	45	57.9	26	0	6/26	12.7
XH9033	HRS			44	62.4	25	0	6/13	14.0
WB9668	HRS	59	55	44	62.4	23	0	6/13	14.4
WB9303	HRS	58	55	43	62.8	26	0	6/11	15.4
LCS Hammer AX	HRS		52	41	62.2	23	0	6/16	12.7
CP3530	HRS			40	61.5	29	0	6/19	12.5
Average		**60**	**54**	**46**	**61.7**	**26**	**0**	**6/17**	**13.3**
LSD (0.05)		**5**	**4**	**6**	**0.9**	**3**	**--**	**0.9**	**--**
CV (%)		**10.2**	**7.4**	**9.3**	**1.0**	**7.0**	**--**	**9.7**	**--**

*HRS = hard red spring, HWS = hard white spring

**Variety or selection yields in bold were statistically equal to the top yielding variety.

Table 30. Hard spring wheat variety performance results at Greencreek, 2025.

Variety or Selection	Market Class*	3-Year Average (bu/A)	2-Year Average (bu/A)	2025 Crop Year					
				Seed Yield (bu/A)**	Test Weight (lb/bu)	Plant Height (in)	Lodging (%)	Heading Date	Seed Protein (%)
Alum	HRS	52	53	**38**	60.3	23	0	6/15	16.1
Dayn	HWS	45	43	**36**	59.4	24	0	6/12	16.1
WB9623	HRS	50	51	**36**	60.1	24	0	6/16	16.5
Hale	HRS	52	51	**34**	61.0	25	0	6/11	16.9
CP3530	HRS			33	58.8	27	0	6/17	17.5
Jefferson	HRS	44	41	32	59.7	22	0	6/13	16.6
LCS Hammer AX	HRS			31	60.7	23	0	6/15	16.4
Net CL+	HRS	47	47	30	60.6	24	0	6/17	17.3
WB9668	HRS	43	42	29	60.0	21	0	6/12	18.1
CP3055	HRS		38	29	55.1	23	0	6/22	16.9
XH9033	HRS			28	60.0	22	0	6/11	17.8
CP3555	HRS			28	57.6	22	0	6/15	16.9
WB9303	HRS	48	47	25	60.1	24	0	6/10	17.9
Average		**48**	**46**	**31**	**59.5**	**23**	**0**	**6/14**	**17.0**
LSD (0.05)		**4**	**6**	**5**	**1.2**	**2**	**--**	**2.1**	**--**
CV (%)		**11.0**	**12.8**	**12.1**	**1.3**	**5.2**	**--**	**23.7**	**--**

*HRS = hard red spring, HWS = hard white spring

**Variety or selection yields in bold were statistically equal to the top yielding variety.

Table 31. Hard spring wheat performance comparison across northern Idaho, 2025.

				2025 Crop Year*						
Variety or Selection	Market Class	3-Year Yield	2-Year Yield	North Idaho Average	Genesee	Greencreek	Test Weight	Plant Height	Lodging	Seed Protein
		---------- bu/A ----------					(lb/bu)	(inches)	(%)	(%)
Hale	**HRS**	**60**	**56**	**44**	**55**	**34**	61.9	27	0	16.0
Alum	**HRS**	55	52	**43**	47	**38**	61.1	24	0	14.8
Dayn	**HWS**	54	49	**43**	**50**	**36**	60.8	25	0	15.2
WB9623	**HRS**	55	52	**42**	49	**36**	60.2	25	0	15.3
Jefferson	**HRS**	52	47	**40**	48	32	60.2	24	0	14.5
Net CL+	**HRS**	55	52	**40**	49	30	61.7	25	0	15.0
CP3555	**HRS**			37	47	28	59.6	23	0	14.8
CP3055	**HRS**		45	37	45	29	56.5	25	0	15.6
CP3530	**HRS**			36	40	33	60.1	28	0	16.6
WB9668	**HRS**	51	49	36	44	29	61.2	22	0	14.5
XH9033	**HRS**			36	44	28	61.2	23	0	15.1
LCS Hammer AX	**HRS**		52	36	41	31	61.4	23	0	14.7
WB9303	**HRS**	53	51	34	43	25	61.4	25	0	14.5
Average		**54**	**50**	**39**	**46**	**31**	**60.6**	**24**	**0**	**15.1**
LSD (0.05)		**3**	**4**	**5**	**6**	**5**	**0.8**	**2**	**--**	**--**
CV (%)		**10.6**	**10.1**	**12.5**	**9.3**	**12.1**	**1.3**	**6.3**	**--**	**--**

*Variety or selection yields in bold were statistically equal to the top yielding variety.

Table 32. Winter barley variety performance results at Genesee, 2025.

Variety or Selection*	Class	2-Year Average (bu/A)	2024–25 Crop Year								
			Seed Yield (bu/A)**	Test Weight (lb/bu)	Plant Height (in)	Plumps (%)		Thins (%)	Lodging (%)	Heading Date	Protein (%)
						(>6/64")	(>5.5/64")				
15ARS607-1	Malt		**138**	51.3	28	92	6	2	0	5/27	10.3
DH200620	Malt		**137**	52.7	30	98	2	1	0	5/24	10.8
DH171854	Malt	160	**125**	51.8	32	81	17	2	0	5/27	10.9
16ARS627-037	Malt	155	**122**	52.8	29	89	9	2	0	5/24	10.7
16ARS634-2	Malt		**121**	50.1	28	89	8	3	10	5/27	10.2
BS Fay	Malt		**119**	50.4	31	95	5	1	0	5/25	11.6
DH190077	Malt	153	**119**	52.1	31	95	4	1	0	5/26	11.3
16ARS622-248	Malt		**118**	50.5	26	86	11	3	0	5/26	10.9
DH141947	Malt	148	115	49.6	30	92	6	2	0	5/26	11.0
BC Clementine	Malt		114	51.3	30	91	8	1	0	5/25	10.8
Top Shelf	Malt		105	52.1	32	96	3	<1	0	5/22	12.0
Endeavor	Malt	133	99	51.5	29	80	16	4	0	5/28	11.4
Wintmalt	Malt	142	97	51.1	29	92	6	2	0	5/28	11.1
Charles	Malt	132	84	49.1	26	86	10	4	0	5/25	10.9
12ARS777-1*	Food	103	71	59.2	28	69	24	7	0	5/30	13.0
12ARS777-2*	Food	104	68	57.4	27	62	29	9	0	5/27	12.8
Average		**137**	**110**	**52.1**	**29**	**87**	**10**	**3**	**<1**	**5/26**	**11.2**
LSD (0.05)		**14**	**22**	**1.5**	**3**	**10**	**8**	**2**	**ns**	**2.6**	**--**
CV (%)		**10.1**	**14.4**	**2.0**	**7.9**	**7.7**	**54.3**	**51.3**	**800.0**	**30.8**	**--**

*Entries are hulless.

**Variety or selection yields in bold were statistically equal to the top yielding variety.

Table 33. Spring barley (feed and food) variety performance results at Bonners Ferry, 2025.

Variety or Selection	3-Year Average (bu/A)	2-Year Average (bu/A)	2025 Crop Year							
			Seed Yield (bu/A)**	Test Weight (lb/bu)	Plant Height (in)	Plumps (%) (>6/64")	Plumps (%) (>5.5/64")	Thins (%)	Lodging (%)	Protein (%)
Feed										
X20001-76			**103**	48.9	22	93	6	1	0	11.6
Carleton	112	99	**102**	50.2	20	94	5	1	0	10.7
YU522-536			**100**	50.3	21	95	4	1	0	11.2
X20001-8			**99**	50.4	22	93	6	1	0	11.2
Lenetah	105	102	**98**	50.9	22	94	4	1	0	11.2
Claymore	109	98	**94**	51.4	23	95	5	1	0	11.6
Survivor	97	90	89	50.3	20	92	6	1	0	12.1
Altorado	100	92	87	49.9	21	95	4	1	0	12.3
Successor	93	80	83	51.7	20	98	2	<1	0	11.4
Food										
Kardia	90	91	85	50.8	22	93	6	1	0	13.2
Salute	94	84	78	50.9	22	98	1	<1	0	12.7
19ARS232-3*			77	56.1	21	90	8	2	0	13.3
18ARS205-2*		76	75	56.5	23	92	7	2	0	13.3
Goldenhart*	67	63	65	54.7	21	90	7	3	0	14.0
Transit*	56	53	58	55.8	25	66	30	3	0	14.0
Average	**92**	**84**	**86**	**51.9**	**22**	**92**	**7**	**1**	**0**	**12.2**
LSD (0.05)	**8**	**8**	**10**	**1.3**	**1.8**	**3**	**2**	**<1**	**--**	**--**
CV (%)	**11.0**	**9.6**	**7.9**	**1.7**	**6.1**	**1.9**	**25.3**	**21.4**	**--**	**--**

*Entries are hulless.

**Variety or selection yields in bold were statistically equal to the top yielding variety.

Note: Heading dates could not be recorded because of vicinity of plot relative to Moscow.

Table 34. Spring barley (feed and food) variety performance results at Genesee, 2025.

Variety or Selection	3-Year Average (bu/A)	2-Year Average (bu/A)	2025 Crop Year							
			Seed Yield (bu/A)**	Test Weight (lb/bu)	Plant Height (in)	Plumps (%) (>6/64")	Plumps (%) (>5.5/64")	Thins (%)	Lodging (%)	Protein (%)
Feed										
Carleton	79	74	**74**	52.2	25	83	14	3	0	10.1
Claymore	73	71	**73**	50.2	27	86	11	2	0	10.4
Lenetah	76	70	**70**	51.5	25	83	13	3	0	10.4
Altorado	74	66	**70**	51.9	24	76	22	2	0	10.9
Successor	73	70	**69**	53.6	25	92	7	1	0	10.7
X20001-76			67	49.5	26	71	23	6	0	11.2
YU522-536			66	50.8	23	67	28	5	0	10.9
Survivor	69	63	65	51.1	26	85	12	3	0	11.1
X20001-8			64	51.1	27	74	21	5	0	10.3
Food										
Kardia	64	59	64	50.2	25	82	15	3	0	12.3
Salute	67	61	59	51.6	25	94	5	1	0	11.8
18ARS205-2*		52	54	58.3	26	64	27	8	0	11.6
19ARS232-3*			53	60.5	25	61	31	8	0	11.8
Goldenhart*	50	46	45	59.3	26	75	19	6	0	13.0
Transit*	44	38	43	56.3	26	42	44	14	0	13.4
Average	**67**	**61**	**62**	**53.1**	**25**	**76**	**19**	**5**	**0**	**11.3**
LSD (0.05)	**6**	**6**	**6**	**1.1**	**2**	**5**	**3**	**2**	**--**	**--**
CV (%)	**10.8**	**10.2**	**6.9**	**1.5**	**4.2**	**4.4**	**12.0**	**26.0**	**--**	**--**

*Entries are hulless.

**Variety or selection yields in bold were statistically equal to the top yielding variety.

Note: Heading dates could not be recorded due to drought stress resulting in spikes not fully emerging from leaf sheathes.

Table 35. Spring barley (feed and food) variety performance results at Greencreek, 2025.

Variety or Selection	3-Year Average (bu/A)	2-Year Average (bu/A)	2025 Crop Year							
			Seed Yield (bu/A)**	Test Weight (lb/bu)	Plant Height (in)	Plumps (%) (>6/64")	Plumps (%) (>5.5/64")	Thins (%)	Lodging (%)	Protein (%)
Feed										
Carleton	89	97	**61**	50.8	22	71	24	5	0	10.7
Claymore	86	91	**55**	50.2	25	75	19	5	0	11.7
Lenetah	83	90	**54**	52.3	23	86	12	2	0	11.0
Altorado	79	86	**53**	51.5	25	62	34	4	0	11.1
YU522-536			**52**	51.3	22	58	33	9	0	11.7
X20001-76			49	49.6	24	59	30	11	0	11.7
X20001-8			49	51.6	25	59	31	10	0	11.4
Successor	80	84	45	53.3	25	91	7	1	0	10.6
Survivor	77	79	42	51.6	24	81	16	3	0	11.7
Food										
19ARS232-3*			**57**	59.2	23	46	42	12	0	13.0
Kardia	74	83	**54**	50.4	24	73	20	6	0	12.7
Salute	71	74	50	51.8	24	89	9	2	0	12.1
Goldenhart*	55	64	46	58.6	21	38	39	23	0	13.2
18ARS205-2*		69	44	58.4	23	50	37	13	0	12.5
Transit*	48	50	32	55.6	26	32	43	25	0	13.7
Average	**74**	**79**	**50**	**53.1**	**24**	**65**	**26**	**9**	**0**	**11.9**
LSD (0.05)	**6**	**7**	**10**	**1.1**	**2**	**11**	**7**	**5**	**--**	**--**
CV (%)	**10.5**	**9.4**	**14.6**	**1.4**	**5.9**	**11.6**	**17.9**	**36.9**	**--**	**--**

*Entries are hulless.

**Variety or selection yields in bold were statistically equal to the top yielding variety.

Note: Heading dates could not be recorded due to drought stress resulting in spikes not fully emerging from leaf sheathes.

Table 36. Spring barley (feed and food) performance comparison across northern Idaho, 2025.

Variety or Selection	3-Year Average	2-Year Average	2025 Crop Year** North Idaho Average	Bonners Ferry	Genesee	Greencreek	Test Weight	Plant Height	Plumps (>6/64)	Plumps (>5.5/64)	Thins	Lodging	Protein
	bu/A						(lb/bu)	(inches)	%				
Feed													
Carleton	**94**	**91**	**79**	**102**	**74**	**61**	51.1	22	82	15	3	0	10.5
Claymore	89	**87**	**74**	**94**	**73**	**55**	50.6	25	85	12	3	0	11.2
Lenetah	88	**87**	**74**	**98**	**70**	**54**	51.5	23	88	10	2	0	10.9
X20001-76			**73**	**103**	67	49	49.3	24	74	20	6	0	11.5
YU522-536			**73**	**100**	66	**52**	50.8	22	73	22	5	0	11.3
X20001-8			71	**99**	64	49	51.0	24	75	19	5	0	11.0
Altorado	84	81	70	87	**70**	**53**	51.2	23	76	22	2	0	11.4
Successor	82	78	66	83	**69**	45	52.8	23	94	5	1	0	10.9
Survivor	81	77	65	89	65	42	51.0	23	86	11	2	0	11.6
Food													
Kardia	76	78	68	85	64	**54**	50.5	24	83	14	3	0	12.7
19ARS232-3*			63	77	53	**57**	58.6	23	66	27	7	0	12.7
Salute	78	73	62	78	59	50	51.5	24	93	6	1	0	12.2
18ARS205-2*		66	58	75	54	44	57.7	24	69	24	8	0	12.5
Goldenhart*	58	58	52	65	45	46	57.4	23	68	22	10	0	13.4
Transit*	50	47	44	58	43	32	55.9	25	45	40	15	0	13.7
Average	**78**	**75**	**66**	**86**	**62**	**50**	**52.7**	**23**	**77**	**18**	**5**	**0**	**11.8**
LSD (0.05)	**5**	**5**	**7**	**10**	**6**	**10**	**0.7**	**1**	**4**	**3**	**2**	--	--
CV (%)	**14.0**	**12.2**	**12.5**	**7.9**	**6.9**	**14.6**	**1.5**	**6.2**	**6.7**	**19.5**	**41.1**	--	--

*Entries are hulless.

**Variety or selection yields in bold were statistically equal to the top yielding variety.

Table 37. Spring barley (malt) variety performance results at Bonners Ferry, 2025.

Variety or Selection	3-Year Average (bu/A)	2-Year Average (bu/A)	2025 Crop Year							
			Seed Yield (bu/A)**	Test Weight (lb/bu)	Plant Height (in)	Plumps (%) (>6/64")	Plumps (%) (>5.5/64")	Thins (%)	Lodging (%)	Protein (%)
17ARS072-5	105	97	98	49.1	19	95	4	1	0	11.5
17ARS069-1	97	87	93	50.3	20	91	7	2	0	11.9
20WAM-721.1	105	89	91	49.6	20	90	8	2	0	12.2
18ARS117-46			91	51.0	19	92	6	1	0	11.6
20WAM-783.1	97	84	90	50.0	21	95	5	1	0	12.4
AAC Connect	102	92	90	49.8	21	91	8	1	0	10.9
CDC-Copeland	98	90	87	49.5	21	91	8	1	0	12.7
18ARS117-16			86	49.1	19	95	5	1	0	12.0
20WAM-248.1	95	83	82	50.7	19	89	9	2	0	12.1
Average	**100**	**89**	**90**	**49.9**	**20**	**92**	**7**	**1**	**0**	**11.9**
LSD (0.05)	**ns**	**9**	**ns**	**0.9**	**1**	**3**	**2**	**ns**	**--**	**--**
CV (%)	**11.1**	**9.1**	**8.4**	**1.1**	**4.3**	**1.9**	**21.0**	**40.6**	**--**	**--**

*Variety or selection yields in bold were statistically equal to the top yielding variety.

Note: Heading dates could not be recorded because of vicinity of plot relative to Moscow.

Table 38. Spring barley (malt) variety performance results at Genesee, 2025.

Variety or Selection	3-Year Average (bu/A)	2-Year Average (bu/A)	2025 Crop Year							
			Seed Yield (bu/A)**	Test Weight (lb/bu)	Plant Height (in)	Plumps (%) (>6/64")	Plumps (%) (>5.5/64")	Thins (%)	Lodging (%)	Protein (%)
LG Slovan			**71**	50.5	23	91	7	1	0	10.3
20WAM-721.1	65	58	65	49.7	25	84	13	3	0	11.3
BC Lexy			64	49.7	24	93	5	1	0	9.7
18ARS117-16			63	51.0	24	93	6	1	0	11.8
LGBU17-1320A		62	62	47.8	24	87	10	2	0	9.7
17ARS072-5	67	61	62	48.7	24	70	23	7	0	10.1
17ARS069-1	71	64	62	51.2	25	69	26	4	0	11.1
CDC-Copeland	68	61	62	49.5	25	82	14	4	0	11.7
LCS Odyssey		59	58	50.3	25	88	9	2	0	10.4
20WAM-248.1	66	60	58	51.2	24	80	16	4	0	11.1
AAC Connect	62	58	57	50.5	25	79	17	4	0	10.4
20WAM-783.1	66	59	57	49.6	26	80	16	4	0	11.5
18ARS117-46			56	51.4	23	83	13	4	0	10.8
Average	**67**	**60**	**61**	**50.1**	**24**	**83**	**13**	**3**	**0**	**10.8**
LSD (0.05)	**4**	**ns**	**6**	**0.8**	**2**	**8**	**6**	**2**	**--**	**--**
CV (%)	**7.9**	**8.3**	**6.3**	**1.2**	**4.7**	**6.7**	**29.6**	**54.4**	**--**	**--**

*Variety or selection yields in bold were statistically equal to the top yielding variety.

Note: Heading dates could not be recorded due to drought stress resulting in spikes not fully emerging from leaf sheathes.

Table 39. Spring barley (malt) variety performance results at Greencreek, 2025.

Variety or Selection	3-Year Average (bu/A)	2-Year Average (bu/A)	2025 Crop Year							
			Seed Yield (bu/A)**	Test Weight (lb/bu)	Plant Height (in)	Plumps (%) (>6/64")	Plumps (%) (>5.5/64")	Thins (%)	Lodging (%)	Protein (%)
17ARS072-5	81	88	60	50.0	22	70	23	6	0	11.0
18ARS117-16			56	50.5	22	87	12	2	0	11.9
17ARS069-1	76	80	52	51.5	24	69	28	3	0	11.9
20WAM-248.1	75	80	52	51.4	24	85	13	3	0	11.5
CDC-Copeland	77	82	49	49.9	23	81	16	3	0	12.1
18ARS117-46			48	51.6	23	81	16	3	0	11.4
20WAM-721.1	75	78	47	49.5	24	76	18	5	0	11.5
AAC Connect	75	77	45	50.7	23	74	21	5	0	11.7
20WAM-783.1	73	77	44	50.9	25	88	10	2	0	11.8
Average	**76**	**80**	**50**	**50.6**	**23**	**79**	**17**	**4**	**0**	**11.6**
LSD (0.05)	**ns**	**ns**	**ns**	**1.1**	**3**	**10**	**7**	**2**	**--**	**--**
CV (%)	**11.3**	**12.1**	**14.4**	**1.4**	**7.6**	**8.3**	**28.7**	**45.7**	**--**	**--**

*Variety or selection yields in bold were statistically equal to the top yielding variety.

Note: Heading dates could not be recorded due to drought stress resulting in spikes not fully emerging from leaf sheathes.

Table 40. Spring barley (malt) performance comparison across northern Idaho, 2025.

Variety or Selection	3-Year Average	2-Year Average	2025 Crop Year** North Idaho Average	Bonners Ferry	Genesee	Greencreek	Test Weight	Plant Height	Plumps (>6/64)	Plumps (>5.5/64)	Thins	Lodging	Protein
	bu/A						(lb/bu)	(inches)	%				
17ARS072-5	84	**82**	73	98	62	60	49.3	21	77	18	5	0	10.9
17ARS069-1	81	76	69	93	62	52	51.0	23	76	20	3	0	11.6
18ARS117-16			68	86	63	56	50.3	22	91	8	1	0	11.9
CDC-Copeland	81	**78**	66	87	62	49	49.6	23	85	12	3	0	12.2
18ARS117-46			65	91	56	48	51.4	21	86	12	3	0	11.3
AAC Connect	80	76	64	90	57	45	50.3	23	81	15	3	0	11.0
20WAM-248.1	79	75	64	82	58	52	51.1	22	85	13	3	0	11.6
20WAM-783.1	78	73	64	90	57	44	50.1	24	88	10	2	0	11.9
20WAM-721.1	81	74	63	91	65	47	49.6	23	82	14	4	0	11.6
LCS Odyssey			--	--	58	--	--	--	--	--	--	--	--
BC Lexy			--	--	64	--	--	--	--	--	--	--	--
LG Slovan			--	--	**71**	--	--	--	--	--	--	--	--
LGBU17-1320A			--	--	62	--	--	--	--	--	--	--	--
Average	**80**	**76**	**66**	**90**	**61**	**50**	**50.3**	**22**	**83**	**14**	**3**	**0**	**11.5**
LSD (0.05)	**ns**	**6**	**ns**	**ns**	**6**	**ns**	**0.6**	**1**	**5**	**4**	**1**	**--**	**--**
CV (%)	**13.4**	**12.5**	**16.3**	**8.4**	**6.3**	**14.4**	**1.4**	**8.1**	**7.4**	**33.5**	**58.4**	**--**	**--**

*Variety or selection yields in bold were statistically equal to the top yielding variety.

Table 41. Winter pea variety performance results at Greencreek, 2025.

				2024–25 Crop Year								
Variety or Selection	Cotyledon Color	3-Year Average (lb/A)*	2-Year Average (lb/A)*	Seed Yield (lb/A)**	Test Weight (lb/bu)	100 Seed Weight (g)	Seed Protein (%)	Vine Length (in)	Canopy Height (in)	Plant Height Index (0-1)	Flowering Date	Shatter (%)
Blaze	**Yellow**	2,269	2,995	**2,469**	65.7	18.7	16.7	18	14	0.80	6/1	3
Windham	**Yellow**	1,995	2,736	**2,247**	65.9	15.1	17.0	17	13	0.80	5/31	3
Payback	**Yellow**	2,004	2,698	**2,152**	64.9	17.9	16.9	19	14	0.74	6/2	0
PS11300240W	**Green**		2,754	**2,046**	63.9	16.0	16.5	17	14	0.80	5/29	3
Pro 212-7102	**Green**			**2,023**	66.0	17.0	19.3	20	17	0.84	6/3	0
PS1634C0011W	**Yellow**	2,229	2,860	**2,003**	66.6	15.3	16.7	18	15	0.81	5/30	0
Keystone	**Green**	1,722	2,304	1,995	65.6	18.4	16.3	24	20	0.84	6/2	3
Goldenwood	**Yellow**	2,222	2,869	1,992	65.2	17.3	17.8	19	15	0.77	6/4	0
Vail	**Green**	2,033	2,619	1,937	65.9	16.4	18.5	19	16	0.82	6/4	0
Pro 172-7107	**Green**		2,530	1,931	65.8	18.8	16.7	17	13	0.78	5/28	5
Pro 144-7211	**Yellow**			1,860	65.1	18.4	16.6	18	14	0.82	6/6	5
MiCa	**Green**	1,880	2,554	1,679	63.8	16.6	20.1	19	15	0.75	6/8	4
PS17340612W	**Green**		2,513	1,668	63.2	17.9	16.9	16	12	0.77	5/31	10
PS19340376W	**Green**			1,293	65.2	18.9	18.7	18	15	0.84	6/3	9
Klondike	**Yellow**	1,658	2,274	1,286	65.3	19.5	21.2	20	15	0.73	6/7	0
KurtWood	**Green**	1,586	2,040	966	65.4	19.1	18.6	21	17	0.81	6/4	0
Average		**1,960**	**2,595**	**1,842**	**65.2**	**17.6**	**17.7**	**19**	**15**	**0.79**	**6/2**	**3**
LSD (0.05)		**260**	**313**	**474**	**1.0**	**0.9**	**2.1**	**2**	**2**	**ns**	**2.9**	**3**
CV (%)		**16.2**	**12.0**	**17.7**	**1.0**	**3.4**	**7.9**	**8.7**	**9.7**	**9.2**	**28.3**	**80.9**

*2-year and 3-year average yields were derived from data collected in 2021, 2023 and 2025. The Greencreek location was destroyed by hail in 2022 and significantly impacted by Ascochyta complex in 2024.

**Variety or selection yields in bold were not statistically different from the top yielding variety.

Table 42. Winter pea variety performance results at Moscow, 2025.

				2024–25 Crop Year								
Variety or Selection	Cotyledon Color	3-Year Average (lb/A)	2-Year Average (lb/A)	Seed Yield (lb/A)*	Test Weight (lb/bu)	100 Seed Weight (g)	Seed Protein (%)	Vine Length (in)	Canopy Height (in)	Plant Height Index (0-1)	Flowering Date	Shatter (%)
PS1634C0011W	**Yellow**	3,449	3,096	**4,864**	67.1	16.2	18.5	36	29	0.83	5/29	0
Goldenwood	**Yellow**	2,855	2,966	**4,323**	65.0	17.3	19.0	33	27	0.82	5/31	4
KurtWood	**Green**	2,918	2,740	**4,264**	64.7	20.4	19.9	39	33	0.83	5/31	0
PS11300240W	**Green**	3,048		**4,205**	65.4	16.1	18.4	35	28	0.82	5/29	0
Pro 172-7107	**Green**	2,797	2,834	**4,118**	65.7	18.1	19.5	32	26	0.82	5/29	0
Keystone	**Green**	2,620	2,548	**4,082**	65.7	18.4	16.7	38	33	0.88	5/31	0
Windham	**Yellow**	2,897	2,705	**4,039**	66.0	14.7	19.2	31	23	0.75	5/30	3
Payback	**Yellow**	2,702	2,748	4,002	64.9	17.0	17.8	33	25	0.76	6/2	0
Pro 212-7102	**Green**			3,943	65.9	17.3	20.8	33	26	0.79	6/3	0
PS17340612W	**Green**	2,620	2,441	3,905	64.0	17.5	20.0	34	25	0.76	5/31	3
Pro 144-7211	**Yellow**			3,892	65.3	18.3	18.4	34	27	0.79	6/5	3
PS19340376W	**Green**			3,857	65.1	17.3	19.7	32	24	0.75	6/3	0
Vail	**Green**	2,872	2,710	3,818	66.2	16.7	20.3	34	28	0.84	6/2	0
Blaze	**Yellow**	2,582	2,557	3,738	66.0	18.1	18.4	31	25	0.80	5/31	0
MiCa	**Green**	2,296	2,070	3,238	63.2	16.3	21.5	33	23	0.69	6/11	0
Klondike	**Yellow**	2,236	1,904	2,855	65.8	18.6	19.4	34	28	0.84	6/5	0
Average		**2,761**	**2,624**	**3,946**	**65.4**	**17.4**	**19.2**	**34**	**27**	**0.80**	**6/1**	**1**
LSD (0.05)		**373**	**421**	**830**	**0.9**	**0.6**	**1.3**	**3**	**3**	**ns**	**1.7**	**ns**
CV (%)		**16.7**	**16.1**	**14.8**	**0.9**	**2.4**	**4.7**	**6.7**	**8.5**	**8.9**	**22.8**	**362.6**

*Variety or selection yields in bold were not statistically different from the top yielding variety.

Table 43. Winter pea performance comparison across northern Idaho, 2025.

Variety or Selection	Cotyledon Color	2024–25 Crop Year*									
		North Idaho Average	Greencreek	Moscow	Test Weight	100 Seed Weight	Seed Protein	Vine Length	Canopy Height	Plant Height Index	od Shatter
		---------- lb/A ----------			lb/bu	(grams)	(%)	------ in -----		(0-1)	(%)
PS1634C0011W	**Yellow**	**3,434**	**2,003**	**4,864**	66.8	15.7	17.6	27	22	0.82	0
Windham	**Yellow**	**3,271**	**2,247**	**4,039**	65.9	14.8	18.3	24	18	0.77	3
Goldenwood	**Yellow**	**3,157**	1,992	**4,323**	65.1	17.3	18.3	26	21	0.80	2
PS11300240W	**Green**	**3,126**	**2,046**	**4,205**	64.6	16.0	17.4	26	21	0.81	1
Blaze	**Yellow**	**3,104**	**2,469**	3,738	65.9	18.4	17.5	24	20	0.80	1
Payback	**Yellow**	**3,077**	**2,152**	4,002	64.9	17.5	17.4	26	20	0.75	0
Keystone	**Green**	**3,039**	1,995	**4,082**	65.7	18.4	16.5	31	26	0.86	1
Pro 172-7107	**Green**	**3,024**	1,931	**4,118**	65.7	18.5	18.1	24	19	0.80	3
Pro 212-7102	**Green**	**2,983**	**2,023**	3,943	65.9	17.1	19.3	26	21	0.82	0
Vail	**Green**	2,878	1,937	3,818	66.0	16.5	19.4	26	22	0.83	0
Pro 144-7211	**Yellow**	2,876	1,860	3,892	65.2	18.3	17.0	26	20	0.80	4
PS17340612W	**Green**	2,786	1,668	3,905	63.6	17.7	18.4	25	19	0.76	6
KurtWood	**Green**	2,615	966	**4,264**	64.9	19.9	19.3	30	25	0.82	0
PS19340376W	**Green**	2,575	1,293	3,857	65.2	18.1	19.2	25	19	0.79	4
MiCa	**Green**	2,570	1,679	3,238	63.4	16.5	20.9	26	19	0.72	2
Klondike	**Yellow**	2,070	1,286	2,855	65.6	19.0	20.3	27	21	0.78	0
Average		**2,911**	**1,842**	**3,946**	**65.3**	**17.5**	**18.4**	**26**	**21**	**0.79**	**2**
LSD (0.05)		**472**	**474**	**830**	**0.7**	**0.5**	**1.4**	**2**	**2**	**ns**	**2**
CV (%)		**16.2**	**17.7**	**14.8**	**1.0**	**3.0**	**7.3**	**7.6**	**9.6**	**9.3**	**140.3**

*Variety or selection yields in bold were statistically equal to the top yielding variety.

Note: 2-year and 3-year average yields are not available since the Ferdinand trial was lost to hail in 2024.

Table 44. Spring pea (green cotyledon) variety performance results at Genesee, 2025.

Variety or Selection	3-Year Average (lb/A)	2-Year Average (lb/A)	2025 Crop Year								
			Seed Yield (lb/A)*	Test Weight (lb/bu)	100 Seed Weight (g)	Seed Protein (%)	Vine Length (in)	Canopy Height (in)	Plant Height Index (0-1)	Flowering Date	Pod Shatter (%)
PS17100184			**2,281**	64.1	18.9	22.5	27	24	0.89	6/17	0
Pro 201-7123			**2,221**	63.6	18.5	20.7	24	21	0.88	6/16	3
VG2511A56			**2,112**	64.4	17.2	21.5	28	23	0.82	6/19	0
VG258A30			**2,107**	64.6	21.9	22.4	25	20	0.80	6/16	8
Pro 171-7665	2,300	2,152	**2,072**	63.3	20.3	19.8	23	19	0.85	6/11	0
Aragorn	1,950	2,003	**2,068**	62.0	18.9	21.5	22	18	0.80	6/11	0
Ultra	2,304	2,128	**2,039**	63.8	19.4	18.9	25	23	0.91	6/10	1
PS17100185			**2,020**	63.7	19.1	23.1	25	23	0.92	6/18	5
PG 16423			**2,002**	64.2	16.8	21.7	27	23	0.84	6/18	4
PS20100218			1,948	62.9	17.7	21.3	25	20	0.82	6/15	5
PG 9645		1,949	1,931	63.9	17.9	19.5	24	20	0.84	6/16	1
Passion	2,183	2,055	1,926	61.5	19.1	20.7	23	19	0.85	6/13	0
Banner	2,133	1,980	1,906	63.7	19.2	18.7	24	20	0.85	6/10	4
PG 9634		2,016	1,889	64.3	19.1	20.4	24	18	0.76	6/20	0
PG 16529			1,886	62.0	18.8	19.3	25	20	0.80	6/11	5
Hampton	2,081	1,827	1,835	63.4	20.1	22.8	21	18	0.87	6/20	3
PG 4046	1,946	1,798	1,818	63.9	18.4	20.5	24	20	0.86	6/14	9
Vail**	1,785	1,615	1,724	65.2	13.8	24.3	23	19	0.85	6/20	0
Shamrock	1,833	1,534	1,688	64.4	19.1	19.8	25	21	0.85	6/20	6
PS16100017		1,659	1,629	62.5	19.0	21.1	22	18	0.83	6/16	3
Ariel	1,841	1,715	1,543	62.2	16.4	21.8	21	16	0.74	6/13	1
Columbian	1,582	1,419	1,316	60.2	16.0	24.6	29	13	0.45	6/5	1
Average	**1,994**	**1,846**	**1,907**	**63.4**	**18.4**	**21.2**	**24**	**20**	**0.82**	**6/15**	**3**
LSD (0.05)	**142**	**181**	**331**	**1.0**	**0.7**	**1.3**	**4**	**3**	**0.13**	**1.8**	**4**
CV (%)	**8.8**	**9.8**	**12.3**	**1.1**	**2.6**	**4.2**	**10.7**	**11.1**	**11.3**	**12.0**	**114.8**

*Variety or selection yields in bold were statistically equal to the top yielding variety.

**Varieties are winter pea.

Table 45. Spring pea (green cotyledon) variety performance results at Moscow, 2025.

	2025 Crop Year								
Variety or Selection	Seed Yield (lb/A)*	Test Weight (lb/bu)	100 Seed Weight (g)	Seed Protein (%)	Vine Length (in)	Canopy Height (in)	Plant Height Index (0-1)	Flowering Date	Pod Shatter (%)
Pro 171-7665	**2,467**	64.3	19.2	19.3	26	19	0.73	6/12	0
PS17100184	**2,461**	63.9	18.5	23.0	30	25	0.84	6/17	1
Ultra	**2,390**	65.0	17.9	18.4	28	21	0.76	6/11	4
PG 16529	**2,344**	63.6	17.5	18.2	28	21	0.76	6/11	5
Passion	**2,278**	63.7	18.0	20.5	27	19	0.73	6/14	0
Pro 201-7123	**2,254**	64.2	18.6	20.9	27	23	0.85	6/17	0
Aragorn	**2,172**	63.1	17.4	21.2	24	19	0.79	6/12	0
Hampton	**2,153**	63.7	18.8	23.5	24	18	0.76	6/19	6
PG 9634	**2,138**	65.2	18.6	21.2	29	23	0.78	6/18	1
PG 9645	2,112	64.7	17.7	21.3	27	22	0.83	6/18	5
PS20100218	2,105	63.4	16.7	21.5	30	24	0.82	6/15	5
Banner	2,086	64.8	17.4	18.1	27	21	0.79	6/11	1
Shamrock	2,031	64.8	17.9	21.6	28	23	0.83	6/19	9
PS17100185	2,016	64.6	18.5	23.2	30	25	0.84	6/19	3
PG 16423	1,925	65.1	16.3	23.4	30	24	0.79	6/18	8
Ariel	1,890	63.0	15.4	21.7	25	21	0.84	6/14	1
Columbian	1,886	61.5	14.8	24.9	41	11	0.27	6/11	0
Vail**	1,844	65.5	13.4	25.9	26	21	0.81	6/22	0
PS16100017	1,838	62.8	18.7	20.4	25	18	0.74	6/16	13
PG 4046	1,819	64.2	18.2	21.0	28	22	0.78	6/14	20
Average	**2,111**	**64.1**	**17.5**	**21.4**	**28**	**21**	**0.77**	**6/15**	**4**
LSD (0.05)	**348**	**0.6**	**0.4**	**1.2**	**3**	**2**	**0.09**	**1.5**	**6**
CV (%)	**11.3**	**0.7**	**1.7**	**3.9**	**6.5**	**7.3**	**8.3**	**19.7**	**95.8**

*Variety or selection yields in bold were statistically equal to the top yielding variety.

**Varieties are winter pea.

Table 46. Spring pea (green cotyledon) variety performance comparison across northern Idaho, 2025.

Variety or Selection	2025 Crop Year*									
	North Idaho Average	Genesee	Moscow	Test Weight	100 Seed Weight	Seed Protein	Vine Length	Canopy Height	Plant Height Index	Pod Shatter
	---------- lb/A --------			lb/bu	(grams)	(%)	----- in -----		(0-1)	(%)
PS17100184	**2,371**	**2,281**	**2,461**	64.0	18.7	22.7	29	25	0.86	1
Pro 171-7665	**2,270**	**2,072**	**2,467**	63.8	19.7	19.5	24	19	0.79	0
Pro 201-7123	**2,237**	**2,221**	**2,254**	63.9	18.5	20.8	26	22	0.86	1
Ultra	**2,189**	**2,039**	**2,390**	64.3	18.7	18.6	27	22	0.83	3
Aragorn	2,120	**2,068**	**2,172**	62.5	18.2	21.4	23	18	0.79	0
PG 16529	2,115	1,886	**2,344**	62.8	18.2	18.7	26	21	0.78	5
Passion	2,102	1,926	**2,278**	62.8	18.4	20.6	25	19	0.79	0
PS20100218	2,026	1,948	2,105	63.1	17.2	21.4	27	22	0.82	5
PG 9645	2,021	1,931	2,112	64.3	17.8	20.4	25	21	0.83	3
PS17100185	2,018	**2,020**	2,016	64.1	18.9	23.1	27	24	0.88	4
PG 9634	2,013	1,889	**2,138**	64.7	18.9	20.8	26	20	0.77	1
Banner	1,996	1,906	2,086	64.2	18.3	18.4	25	21	0.82	3
Hampton	1,994	1,835	**2,153**	63.5	19.5	23.1	22	18	0.82	4
PG 16423	1,963	**2,002**	1,925	64.6	16.5	22.5	29	23	0.82	6
Shamrock	1,860	1,688	2,031	64.6	18.5	20.7	26	22	0.84	8
PG 4046	1,818	1,818	1,819	64.1	18.3	20.7	26	21	0.82	14
Vail**	1,784	1,724	1,844	65.3	13.6	25.1	24	20	0.83	0
PS16100017	1,733	1,629	1,838	62.6	18.8	20.7	23	18	0.79	8
Ariel	1,717	1,543	1,890	62.6	15.9	21.7	23	18	0.79	1
Columbian	1,560	1,316	1,886	60.8	15.5	24.7	35	12	0.36	1
VG2511A56	--	**2,112**	--	--	--	--	--	--	--	--
VG258A30	--	**2,107**	--	--	--	--	--	--	--	--
Average	**1,997**	**1,907**	**2,111**	**63.7**	**17.9**	**21.3**	**26**	**20**	**0.79**	**3**
LSD (0.05)	**236**	**331**	**348**	**0.6**	**0.4**	**0.8**	**2**	**2**	**0.08**	**3**
CV (%)	**11.8**	**12.3**	**11.3**	**0.9**	**2.2**	**3.9**	**9.0**	**9.6**	**9.8**	**107.1**

*Variety or selection yields in bold were statistically equal to the top yielding variety.

**Varieties are winter pea.

Table 47. Spring pea (yellow cotyledon) variety performance results at Genesee, 2025.

			2025 Crop Year								
Variety or Selection	3-Year Average (lb/A)	2-Year Average (lb/A)	Seed Yield (lb/A)*	Test Weight (lb/bu)	100 Seed Weight (g)	Seed Protein (%)	Vine Length (in)	Canopy Height (in)	Plant Height Index (0-1)	Flowering Date	Pod Shatter (%)
PS17100022	2,464	2,241	**2,429**	64.6	21.5	20.0	31	27	0.85	6/14	0
Pro 153-7410			**2,292**	64.0	20.4	21.2	26	21	0.81	6/17	0
Pro 173-7406	2,204	2,024	**2,209**	62.7	20.4	19.7	24	21	0.85	6/14	4
PS20100290			**2,120**	63.2	20.2	22.4	21	17	0.81	6/13	1
PS17100236			2,061	63.4	20.4	22.5	24	19	0.79	6/10	3
PS20100520			2,042	63.0	19.8	21.3	27	24	0.89	6/13	3
Carousel	1,915	1,842	2,030	64.7	21.1	21.5	25	21	0.83	6/16	9
AAC Carver			1,947	64.7	18.9	19.8	25	22	0.88	6/15	5
AAC Beyond			1,945	64.5	18.2	21.4	24	20	0.84	6/18	1
MS Prostar			1,875	63.4	20.4	22.6	24	21	0.90	6/17	5
Pro 143-6230		1,765	1,851	62.5	18.5	21.9	24	19	0.80	6/18	5
MS GrowPro			1,850	62.0	22.0	24.0	28	24	0.87	6/14	8
CDC Inca			1,754	64.2	18.2	21.3	25	22	0.87	6/19	15
Payback**	1,450	1,376	1,562	64.4	13.7	23.1	20	16	0.81	6/27	0
Average	**2,020**	**1,849**	**1,998**	**63.6**	**19.6**	**21.6**	**25**	**21**	**0.84**	**6/16**	**4**
LSD (0.05)	**212**	**263**	**342**	**0.4**	**0.7**	**1.2**	**3**	**3**	**ns**	**1.6**	**5**
CV (%)	**12.5**	**13.8**	**12.0**	**0.5**	**2.6**	**4.0**	**8.2**	**10.2**	**10.1**	**9.1**	**92.8**

*Variety or selection yields in bold were statistically equal to the top yielding variety.

**Varieties are winter pea.

Table 48. Spring pea (yellow cotyledon) variety performance results at Moscow, 2025.

	2025 Crop Year								
Variety or Selection	Seed Yield (lb/A)*	Test Weight (lb/bu)	100 Seed Weight (g)	Seed Protein (%)	Vine Length (in)	Canopy Height (in)	Plant Height Index (0-1)	Flowering Date	Pod Shatter (%)
Pro 173-7406	**3,058**	62.2	20.2	22.4	29	25	0.86	6/15	6
AAC Carver	2,783	65.3	19.8	20.5	31	25	0.82	6/16	6
PS17100022	2,704	65.3	21.2	21.6	33	31	0.93	6/18	0
MS GrowPro	2,701	62.2	22.9	25.0	31	27	0.87	6/16	11
PS20100520	2,653	63.7	20.0	22.3	33	29	0.89	6/13	0
Pro 153-7410	2,641	63.7	21.4	22.2	27	23	0.85	6/16	3
MS Prostar	2,586	64.0	20.3	24.5	30	26	0.86	6/18	6
PS17100236	2,585	64.0	20.9	23.5	30	24	0.81	6/11	3
PS20100290	2,562	63.8	20.4	22.9	25	21	0.83	6/15	3
Pro 143-6230	2,506	63.4	18.8	23.2	28	24	0.87	6/17	8
AAC Beyond	2,441	64.7	17.6	21.8	28	23	0.82	6/19	1
Carousel	2,274	65.2	20.5	24.1	29	23	0.79	6/17	23
CDC Inca	2,175	64.6	18.3	24.5	31	26	0.86	6/20	23
Payback**	1,688	62.5	14.2	22.3	23	17	0.73	6/24	0
Average	**2,525**	**63.9**	**19.7**	**22.9**	**29**	**24**	**0.84**	**6/17**	**7**
LSD (0.05)	**212**	**0.6**	**0.9**	**0.9**	**3**	**2**	**0.07**	**1.5**	**6**
CV (%)	**5.9**	**0.6**	**3.0**	**2.9**	**6.4**	**6.1**	**6.1**	**15.7**	**61.4**

*Variety or selection yields in bold were statistically equal to the top yielding variety.

**Varieties are winter pea.

Table 49. Spring pea (yellow cotyledon) variety performance comparison across northern Idaho, 2025.

	2025 Crop Year*									
Variety or Selection	North Idaho Average	Genesee	Moscow	Test Weight	100 Seed Weight	Seed Protein	Vine Length	Canopy Height	Plant Height Index	Pod Shatter
	---------- lb/A --------			lb/bu	(grams)	(%)	----- in ------		(0-1)	(%)
Pro 173-7406	**2,633**	**2,209**	**3,058**	62.5	20.3	21.0	27	23	0.85	3
PS17100022	**2,567**	**2,429**	2,704	64.9	21.3	20.8	32	29	0.89	0
Pro 153-7410	**2,466**	**2,292**	2,641	63.9	20.9	21.7	27	22	0.83	6
AAC Carver	2,365	1,947	2,783	65.0	19.4	20.1	28	24	0.85	6
PS20100520	2,348	2,042	2,653	63.3	19.9	21.8	30	26	0.89	1
PS20100290	2,341	**2,120**	2,562	63.5	20.3	22.6	23	19	0.82	1
PS17100236	2,323	2,061	2,585	63.7	20.7	23.0	27	22	0.80	1
MS GrowPro	2,276	1,850	2,701	62.1	22.4	24.5	30	26	0.87	16
MS Prostar	2,230	1,875	2,586	63.7	20.3	23.5	27	23	0.88	9
AAC Beyond	2,193	1,945	2,441	64.6	17.9	21.6	26	22	0.83	19
Pro 143-6230	2,178	1,851	2,506	62.9	18.6	22.6	26	21	0.83	5
Carousel	2,152	2,030	2,274	65.0	20.8	22.8	27	22	0.81	0
CDC Inca	1,965	1,754	2,175	64.4	18.3	22.9	28	24	0.87	6
Payback**	1,625	1,562	1,688	63.4	13.9	22.7	22	17	0.77	2
Average	**2,261**	**1,998**	**2,525**	**63.8**	**19.6**	**22.3**	**27**	**23**	**0.84**	**5**
LSD (0.05)	**203**	**342**	**212**	**0.4**	**0.6**	**0.8**	**2**	**2**	**0.07**	**4**
CV (%)	**9.0**	**12.0**	**5.9**	**0.6**	**2.9**	**3.5**	**7.5**	**8.3**	**8.4**	**72.8**

*Variety or selection yields in bold were statistically equal to the top yielding variety.

**Varieties are winter pea.

Note: 2-year and 3-year average yields are not available since the Ferdinand trial was lost to hail in 2024.

Table 50. Spring lentil variety performance results at Genesee, 2025.

Variety or Selection	Market Class	3-Year Average (lb/A)	2-Year Average (lb/A)	2025 Crop Year							
				Seed Yield (lb/A)*	Test Weight (lb/bu)	100 Seed Weight (g)	Seed Protein (%)	Plant Height (in)	Canopy Height (in)	Plant Height Index (0-1)	Flowering Date
Avondale	Medium green	1,505	1,419	**1,764**	61	5.6	25.4	16	13	0.80	6/14
LC14600017P	Spanish brown	1,476	1,362	**1,684**	63	5.6	26.7	15	13	0.87	6/14
LC14600088R	Medium green	1,419	1,306	**1,673**	61	5.8	24.7	17	11	0.62	6/15
Morena	Spanish brown	1,468	1,375	**1,595**	63	5.4	29.1	16	12	0.78	6/13
MS-LSR-1	Small Red			**1,571**	62	5.9	27.1	16	14	0.88	6/15
LC1864B006L	Large green			**1,478**	60	6.2	25.3	15	11	0.76	6/14
LC19640586R	Medium green	1,244	1,156	**1,472**	61	5.9	26.0	16	10	0.61	6/14
LC08600113P	Spanish brown	1,294	1,207	1,402	62	5.5	25.9	15	9	0.61	6/16
LC19640200P	Spanish brown		1,191	1,394	62	5.3	26.6	14	10	0.72	6/13
LC19640193R	Medium green			1,263	61	5.4	25.5	16	12	0.78	6/14
Pardina	Spanish brown	1,223	943	1,250	63	5.9	26.3	15	10	0.66	6/12
MS-LXSR-2	Small Red			1,245	62	5.6	28.2	16	14	0.86	6/19
Merrit	Large green	1,075	886	1,033	58	6.4	25.1	17	11	0.68	6/12
Brewer	Large green	910	720	941	60	5.9	26.8	16	8	0.52	6/13
Average		**1,290**	**1,155**	**1,415**	**61.4**	**5.7**	**26.3**	**16**	**11**	**0.72**	**6/14**
LSD (0.05)		**156**	**217**	**357**	**1.0**	**0.6**	**--**	**1**	**2**	**0.13**	**1.3**
CV (%)		**14.2**	**17.4**	**17.4**	**1.1**	**6.9**	**--**	**5.5**	**10.7**	**12.6**	**9.3**

*Variety or selection yields in bold were statistically equal to the top yielding variety.

Table 51. Spring lentil variety performance results at Moscow, 2025.

		2025 Crop Year							
Variety or Selection	Market Class	Seed Yield (lb/A)*	Test Weight (lb/bu)	100 Seed Weight (g)	Seed Protein (%)	Plant Height (in)	Canopy Height (in)	Plant Height Index (0-1)	Flowering Date
MS-LSR-1	Small Red	**1,571**	62	5.7	27.0	18	14	0.78	6/16
LC14600088R	Medium green	**1,458**	61	5.9	24.0	18	11	0.61	6/16
Avondale	Medium green	**1,432**	62	5.5	23.7	18	12	0.66	6/15
LC14600017P	Spanish brown	**1,383**	63	5.5	26.0	18	12	0.65	6/15
Morena	Spanish brown	1,362	64	5.5	27.9	18	13	0.72	6/13
LC19640586R	Medium green	1,222	62	5.8	24.2	18	10	0.55	6/15
LC19640200P	Spanish brown	1,155	61	5.7	26.2	17	9	0.56	6/12
LC1864B006L	Large green	1,131	58	6.3	24.1	18	12	0.65	6/16
LC19640193R	Medium green	1,042	59	5.9	25.1	17	11	0.64	6/14
Pardina	Spanish brown	989	62	5.8	24.0	16	10	0.62	6/12
LC08600113P	Spanish brown	845	62	5.6	25.6	17	9	0.52	6/16
MS-LXSR-2	Extra Small Red	773	59	6.0	26.9	15	14	0.95	6/21
Merrit	Large green	719	56	6.5	25.1	18	10	0.59	6/12
Brewer	Large green	486	58	6.4	25.3	18	9	0.53	6/12
Average		**1,112**	**60.7**	**5.9**	**25.4**	**17**	**11**	**0.65**	**6/14**
LSD (0.05)		**202**	**1.6**	**0.7**	**--**	**2**	**2**	**0.16**	**2.2**
CV (%)		**12.5**	**1.8**	**8.2**	**--**	**8.2**	**12.0**	**17.4**	**34.6**

*Variety or selection yields in bold were statistically equal to the top yielding variety.

Table 52. Spring lentil variety performance comparison across northern Idaho, 2024.

Variety or Selection	Market Class	2025 Crop Year*								
		North Idaho Average	Genesee	Moscow	Test Weight	100 Seed Weight	Plant Height	Canopy Height	Plant Height Index	Seed Protein
		---------- lb/A -------			(lb/bu)	(grams)	---- (inches) -		(0-1)	(%)
Avondale	**Medium green**	1,598	**1,764**	**1,432**	61.4	5.6	17	12	0.73	24.6
MS-LSR-1	**Small Red**	1,571	**1,571**	**1,571**	62.2	5.8	17	14	0.83	27.1
LC14600088R	**Medium green**	1,565	**1,673**	**1,458**	60.9	5.9	18	11	0.62	24.4
LC14600017P	**Spanish brown**	1,534	**1,684**	**1,383**	63.2	5.6	17	13	0.76	26.4
Morena	**Spanish brown**	1,479	**1,595**	1,362	63.6	5.4	17	12	0.75	28.5
LC19640586R	**Medium green**	1,347	**1,472**	1,222	61.4	5.8	17	10	0.58	25.1
LC1864B006L	**Large green**	1,329	**1,478**	1,131	59.6	6.2	16	11	0.70	24.7
LC19640200P	**Spanish brown**	1,275	1,394	1,155	61.7	5.5	16	10	0.64	26.4
LC19640193R	**Medium green**	1,152	1,263	1,042	60.0	5.7	16	12	0.71	25.3
LC08600113P	**Spanish brown**	1,124	1,402	845	61.9	5.6	16	9	0.57	25.8
Pardina	**Spanish brown**	1,101	1,250	989	62.8	5.9	15	10	0.64	25.2
MS-LXSR-2	**Small Red**	1,009	1,245	773	60.6	5.8	15	14	0.91	27.6
Merrit	**Large green**	876	1,033	719	56.7	6.4	17	11	0.63	25.1
Brewer	**Large green**	714	941	486	58.8	6.2	17	9	0.53	26.1
Average		**1,263**	**1,415**	**1,112**	**61.1**	**5.8**	**16**	**11**	**0.68**	**25.9**
LSD (0.05)		**207**	**357**	**202**	**1.0**	**0.4**	**1**	**1**	**0.10**	**--**
CV (%)		**16.3**	**17.4**	**12.5**	**1.6**	**7.5**	**7.7**	**11.9**	**14.8**	**--**

*Variety or selection yields in bold were statistically equal to the top yielding variety.

Note: 2-year and 3-year average yields are not available since the Ferdinand trial was lost to hail in 2024.

Table 53. Chickpea variety performance results at Genesee, 2025.

Variety or Selection	3-Year Average (lb/A)	2-Year Average (lb/A)	2025 Crop Year											
			Seed Yield (lb/A)*	Test Weight (lb/bu)	100 Seed Weight (g)	Seed Protein (%)	Plant Height (in)	Canopy Height (in)	Plant Height Index (0-1)	Chickpea Size (%) (>25/64")	(>22/64")	(>20/64")	(<20/64")	Flowering Date
MT Bridger		1,998	**2,161**	61.5	40.8	19.3	18	16	0.93	7	61	30	3	6/17
CDC Frontier	2,023	1,819	**2,055**	62.0	39.2	20.3	16	14	0.88	2	65	30	3	6/16
Kasin	1,848	1,704	**1,981**	63.1	32.2	20.2	21	20	0.95	0	7	56	37	6/17
Billybeans 2.0			**1,833**	62.8	30.1	20.1	20	18	0.88	0	14	51	35	6/13
Quinn			**1,812**	58.9	50.8	21.2	19	17	0.92	40	54	5	1	6/16
Billybeans	1,862	1,668	**1,778**	62.5	29.4	20.5	19	16	0.85	1	16	48	36	6/14
CA13900162C	1,749	1,576	**1,776**	59.2	51.8	20.8	16	14	0.89	44	49	6	1	6/16
CA17900020C	1,716	1,626	1,759	59.3	50.4	19.6	17	15	0.87	15	73	11	1	6/17
CDC Orion	1,764	1,664	1,751	60.3	44.3	18.0	15	13	0.87	12	67	18	3	6/14
NSSCX04	1,799	1,679	1,722	61.7	45.3	19.0	16	14	0.89	19	61	18	2	6/18
Nash	1,717	1,598	1,679	59.3	58.3	20.7	17	14	0.86	38	57	4	1	6/19
CDC Palmer	1,723	1,563	1,665	61.3	41.7	18.7	16	14	0.89	8	68	21	3	6/15
New Hope	1,549	1,478	1,646	61.7	40.0	20.6	20	18	0.90	6	67	24	3	6/18
CDC Leader	1,695	1,496	1,616	61.4	40.2	19.2	16	14	0.88	6	60	30	3	6/15
Sawyer	1,568	1,412	1,462	60.9	42.3	19.9	16	14	0.88	6	56	35	3	6/16
CA15940057C	1,585	1,426	1,426	59.0	50.1	20.0	16	14	0.89	35	60	5	1	6/18
Sierra	1,452	1,297	1,366	60.3	48.0	19.9	16	14	0.87	36	56	7	1	6/19
Average	**1,717**	**1,600**	**1,734**	**60.9**	**43.2**	**19.9**	**17**	**15**	**0.89**	**16**	**52**	**23**	**8**	**6/16**
LSD (0.05)	**152**	**197**	**389**	**0.6**	**3.0**	**0.9**	**2**	**1**	**ns**	**11**	**9**	**9**	**4**	**2.8**
CV (%)	**10.9**	**12.4**	**15.8**	**0.7**	**4.9**	**3.0**	**6.2**	**5.5**	**5.5**	**47.8**	**11.9**	**26.7**	**32.3**	**15.8**

*Variety or selection yields in bold were statistically equal to the top yielding variety.

Table 54. Chickpea variety performance results at Moscow, 2025.

	2025 Crop Year											
Variety or Selection	Seed Yield (lb/A)*	Test Weight (lb/bu)	100 Seed Weight (g)	Seed Protein (%)	Plant Height (in)	Canopy Height (in)	Plant Height Index (0-1)	Chickpea Size (%) (>25/64")	(>22/64")	(>20/64")	(<20/64")	Flowering Date
MT Bridger	**2,828**	61.9	41.9	20.6	21	20	0.92	10	61	26	2	6/17
CDC Orion	2,580	61.1	43.9	19.0	19	17	0.88	19	68	12	1	6/11
CDC Frontier	2,490	62.6	38.3	21.6	20	18	0.88	1	59	36	4	6/16
NSSCX04	2,422	61.6	46.1	21.2	21	19	0.90	13	62	22	3	6/15
Nash	2,381	59.1	56.3	22.7	20	19	0.91	50	46	3	1	6/17
CDC Palmer	2,373	61.9	42.5	20.2	19	17	0.90	7	70	21	3	6/13
Kasin	2,363	63.5	31.8	21.4	26	23	0.89	0	4	42	54	6/17
Billybeans	2,299	62.3	30.3	21.1	23	19	0.84	0	8	50	42	6/13
Billybeans 2.0	2,256	63.4	30.3	21.4	23	21	0.88	0	14	52	33	6/12
Quinn	2,119	58.5	49.1	23.4	22	20	0.90	31	58	9	2	6/15
CDC Leader	2,095	61.9	41.0	20.1	19	17	0.92	3	67	27	3	6/15
Sawyer	2,035	61.4	43.3	21.0	19	17	0.92	15	62	22	1	6/14
New Hope	1,973	61.9	38.8	21.6	23	21	0.92	9	66	22	3	6/17
Sierra	1,916	59.9	45.7	21.3	20	18	0.89	29	60	10	1	6/16
Average	**2,295**	**61.5**	**41.4**	**21.2**	**21**	**19**	**0.89**	**13**	**50**	**25**	**11**	**6/15**
LSD (0.05)	**197**	**0.6**	**4.3**	**0.6**	**1**	**1**	**ns**	**10**	**10**	**8**	**9**	**1.3**
CV (%)	**6.0**	**0.6**	**7.3**	**2.0**	**4.9**	**4.4**	**5.0**	**53.9**	**13.7**	**22.3**	**56.6**	**18.9**

*Variety or selection yields in bold were statistically equal to the top yielding variety.

Table 55. Chickpea variety performance comparison across northern Idaho, 2024.

Variety or Selection	2025 Crop Year*												
	North Idaho Average	Genesee	Moscow	Test Weight	100 Seed Weight	Seed Protein	Plant Height	Canopy Height	Plant Height Index	Chickpea Size (%)			
										(>25/64")	(>22/64")	(>20/64")	(<20/64")
	---------- lb/A ---------			lb/bu	(grams)	(%)	-- (inches) -		(0-1)				
MT Bridger	**2,494**	**2,161**	2,363	61.7	41.4	20.0	19	18	0.92	8	61	28	2
CDC Frontier	**2,272**	**2,055**	2,299	62.3	38.8	20.9	18	16	0.88	1	62	33	3
Kasin	2,172	**1,981**	1,973	63.3	32.0	20.8	23	21	0.92	0	6	49	45
CDC Orion	2,165	1,751	2,256	60.7	44.1	18.5	17	15	0.87	15	68	15	2
NSSCX04	2,072	1,722	1,916	61.6	45.7	20.1	19	17	0.89	16	62	20	2
GS Devoe	2,045	**1,833**	2,381	63.1	30.2	20.8	22	19	0.88	0	14	52	34
Billybeans	2,038	**1,778**	**2,828**	**62.4**	29.8	20.8	21	17	0.84	0	12	49	39
Nash	2,030	1,679	2,422	59.2	57.3	21.7	18	16	0.89	44	51	4	1
CDC Palmer	2,019	1,665	2,095	61.6	42.1	19.4	17	15	0.90	8	69	21	3
Quinn	1,965	**1,812**	2,373	58.7	49.9	22.3	20	18	0.91	36	56	7	1
CDC Leader	1,855	1,616	2,119	61.6	40.6	19.7	17	16	0.90	5	64	29	3
New Hope	1,810	1,646	2,035	61.8	39.4	21.1	22	20	0.91	8	67	23	3
Sawyer	1,749	1,462	2,490	61.2	42.8	20.5	17	16	0.90	10	59	29	2
Sierra	1,641	1,366	2,580	60.1	46.8	20.6	18	16	0.88	32	58	9	1
CA13900162C	--	**1,776**	--	--	--	--	--	--	--	--	--	--	--
CA17900020C	--	1,759	--	--	--	--	--	--	--	--	--	--	--
CA15940057C	--	1,426	--	--	--	--	--	--	--	--	--	--	--
Average	**2,023**	**1,734**	**2,295**	**61.4**	**41.5**	**20.5**	**19**	**17**	**0.89**	**13**	**51**	**26**	**10**
LSD (0.05)	**223**	**389**	**197**	**0.4**	**2.4**	**0.6**	**1**	**1**	**0.05**	**7**	**6**	**6**	**5**
CV (%)	**11.1**	**15.8**	**6.0**	**0.7**	**5.8**	**2.8**	**5.5**	**4.9**	**5.2**	**51.1**	**12.1**	**23.7**	**46.7**

*Variety or selection yields in bold were statistically equal to the top yielding variety.

Note: 3-year average yield is not available since the 2022 Ferdinand trial was lost to hail damage.