

The background of the entire page is a photograph of a lush green wheat field under a clear blue sky. The wheat stalks are tall and full of grain, with some heads beginning to turn a light yellow. The sky is a solid, clear blue.

Nutrien

Ag Solutions™

Fall Seed Guide

www.nutrienseed.com

BILLINGS
252-8012

BELGRADE
388-4288

CONRAD
278-9189

FORT BENTON
622-5481

HARDIN
665-3552

SHELBY
434-5000

WINTER FORAGE VARIETIES

**FEATURED
VARIETY**

TRICAL GUNNER™ Triticale



TRICAL GUNNER™ is a completely awnless, winterhardy variety that can be planted both in the spring and fall. High yield potential, very good fall seedling vigor and an excellent grazer. Proven performance, excellent standability.



**FEATURED
VARIETY**

RAY Hard Red Forage Winter Wheat

RAY is awnless with similar forage yields to Willow Creek. It is the first forage winter wheat with true, dual use potential! Plant at a target plant population of 1 million viable seeds per acre on dryland.



WINTER CEREAL FORAGE TRIAL/FORAGE YIELD TONS PER ACRE

Variety	Bozeman	Conrad	Fort Benton	Conrad/Fort Benton	Average
TriCal Gunner™	4.9	3.9	2.4	3.2	3.7
TriCal Flex 719™	5	3.3	2.2	3	3.5
Ray	4.6	2.6	1.9	2.2	3

SAWFLY VARIETIES

WARHORSE

- Combines good yield potential with a very solid stem
- Good stem and stripe rust resistance
- Good winterhardiness

JUDEE

- Good stem and stripe rust resistance
- High yield potential
- Above average baking properties

WB4483

- Solid stem for improved wheat stem sawfly management
- Good yellow (stripe) rust resistance
- Very good winterhardiness



**FEATURED
VARIETY**

BOBCAT Winter Wheat

- Stripe rust resistance
- Solid stem
- Medium/late maturity
- Above average test weight and proteins

BOBCAT is a top performing variety in locations where Sawfly has occurred. Bobcat has excellent solid stemness. Very limited supply fall 2021.



2021 NUTRIEN FINANCIAL Grower Financing



**Nutrien
Financial**



**JOHN DEERE
FINANCIAL**

No Payment No Interest Offer

Nutrien Ag Solutions and Nutrien Financial have partnered to offer you a one-stop shop to help you get the most out of your agronomic plan by offering great financial offers on your wheat seed and inputs. Choose the right finance offer for your crop plan and cash flow cycle with financing offers that contain flexible terms for your custom solutions.

We are proud to offer financing on the following products:



Clearfield®
Production System



- Clearfield wheat and inputs
- DynaGro wheat and inputs
- No Payment No Interest offer

Contact your local Nutrien Financial representative in

Billings	Belgrade	Conrad	Fort Benton	Hardin	Shelby
252-8012	388-4288	278-9189	622-5481	665-3552	434-5000

for more details on how to easily take advantage of these financial offers!



Clearfield®
Production System

VARIETIES



SY CLEARSTONE CL2

- Good disease package
- Very similar to Yellowstone
- Great yield potential, well adapted



BRAWL CL PLUS

- Hollow stem, very early maturity
- Short to medium straw
- Disease package (fungicide recommended)



SY 517 CL2

- Excellent test weight and straw strength
- Moderate tolerance to fusarium head blight
- Good winter hardiness



SY LEGEND CL2

- Drought tolerance
- Consistent yield performance across western region
- Good leaf and stripe rust tolerance



**FEATURED
VARIETY**

STANDCLEAR CLP Clearfield Winter Wheat

- Developed in Montana for Montana
- 2019 top yielder
- Excellent disease package

STANDCLEAR CLP is Montana's first solid stem 2 gene Clearfield winter wheat. StandClear CLP is a medium-maturity, semi-dwarf, semi-solid stem HRW wheat line with average grain protein content, and good test weight.



HOLLOW STEM VARIETIES

NEW

RAMSAY

- High yield potential
- Excellent dryland variety
- Excellent standability
- Limited availability for 2021



SY MONUMENT

- Very good tolerance to leaf and stripe rust
- Very good winterhardiness
- Good test weight

WB4792

- Excellent Yield Potential
- Strong Western Adaption
- Very good stripe rust resistance
- Good Wheat Streak Mosaic Virus Resistance



**FEATURED
VARIETY**

MILESTONE Hard Red Winter Wheat

- Stripe Rust tolerance
- Top yield potential
- Dryland or irrigated
- Broadly adapted

MILESTONE is a hollow stem variety that is broadly adaptable to both irrigated and dryland Montana acres. Data shows that the yield performance is exceptional with good winterhardiness, excellent disease package, acceptable quality and very good straw strength.



**FEATURED
VARIETY**

KELDIN Hard Red Winter Wheat

- Highest dry land yield potential
- Outstanding test weight
- Responds to higher seeding rate
- Broadly adapted variety

KELDIN is a hollow stem variety known for excellent characteristics, such as emergence and test weight, as well as its milling and baking qualities. This broadly adapted yield potential leader also provides an outstanding disease package with very good resistance to Leaf Rust, Yellow (Stripe) Rust and other foliar diseases.



**FEATURED
VARIETY**

BALANCE Hard Red Winter Wheat

- Resistant to stripe rust
- High protein
- Tolerance to low pH soils

BALANCE is a new hard red winter wheat line was released in 2020. Balance was released mainly because of its resistance to stripe rust, high grain yield and grain protein concentration in Montana, and tolerance to low pH soils, an issue becoming more of a problem in Montana.



FEATURED VARIETY

AP18 AX Hard Red Winter Wheat

- Excellent yield potential
- CoAXium® wheat production system to control winter annual grasses
- Aggressor herbicide tolerance

AP18 AX raises the bar on yield potential and test weight with a new mode of action to control tough winter annual grasses. The CoAXium® wheat production system, including Aggressor herbicide, puts new tools in producer toolboxes. AP18 AX is demonstrating very good winter hardiness and good straw strength with medium maturity. Don't let tough weeds overwinter.



To obtain optimal performance of Aggressor® herbicide on winter annual grasses, apply Aggressor® herbicide to actively growing wheat and grassy weeds.

Use the proper rate/acre of Aggressor® herbicide based on the weed species and size. Sprayer application volume is critical to maximize weed coverage and performance. Tilled grassy weeds require a higher application volume to maximize weed coverage and control.

Aggressor® Herbicide Use Rates by Weed Species

Weed Species	Rate/Acre
Brome species	8 – 12 oz/acre
Feral (Cereal) Rye	10 – 12 oz/acre
Jointed Goatgrass	10 – 12 oz/acre

Split applications can be made with Aggressor at 8 oz/ac (Fall) followed by 8 oz/ac (Spring)

Refer to the product label for complete use directions and instructions. EPA Reg. No. 42750-313 AD030118.



Variety	Maturity	MT TW (lbs/bu)	BI, FB Protein %	Yield bu/ac	
				Conrad	Fort Benton
StandClear CLP	M	61.6	13.1	60.6	74.19
AP18AX	M	61.2	12.7	68.0	68.60
SY 517 CL2	E	63.2	13.6	60.6	67.98
Brawl CLP	E	62.3	14.2	55.6	62.08

SEED TREATMENTS



Foothold & Awaken Untreated Check Teraxxa F4 Relenya

DYNA-SHIELD® FOOthold® VIROCK® is a combination of the insecticide Imidacloprid and the three fungicides Metalaxyl, Tebuconazole and Fludioxonil for early season protection of seedlings against insect injury and soilborne diseases for barley and wheat.

Product Benefits:

- Protects seeds and seedlings against many diseases including early season Rhizoctonia, Fusarium foot rot, Pythium damping off, smuts and others as listed
- Protects against seed decay caused by Aspergillus, Penicillium and other species
- Imidacloprid insecticide controls early season aphids, Hessian fly and wireworms
- Systemic activity to give seedlings their best chance for a strong start Convenient, easy-to-use flowable formulation; pre-colored red



Awaken ST is a seed treatment with ACA technology, which features the zinc ammonium acetate (ZAA) compound with a micronutrient package. Awaken ST leads to quicker emergence and greater plant biomass by promoting root growth. Awaken ST coats the seed with nutrients and has been shown to improve early vigor and higher yields.

Product Benefits:

- Has been shown to improve early vigor post emergence
- Has been shown to increase yield potential compared to untreated seed
- Improved root biomass observed in treated seed



Teraxxa™ F4 plus Relenya

Seed Treatment

Teraxxa F4 Seed Treatments eliminate wireworms attacking your cereal yield. Featuring a new active ingredient, Broflanilide, these seed treatments outperform and outlast neonicotinoid insecticides so your cereal crops have the best chance to succeed.

Relenya is created to support cereal and soybean grain farmers looking for a powerful seed treatment to protect their crops. With Revysol® fungicide, it protects your seeds and root zones during early development stages and increases yield potential, even under different levels of disease pressure.

2020 COMMERCIAL TRIAL

Variety	Maturity	MT TW TW (lbs/bu)	BI, FB Protein %	Yield bu/ac				
				TF	CO	FB	BI	MT Avg
Milestone	M	60.5	12.3	136.2	68.7	88.9	79.8	79.1
Ramsay	ML	61.5	11.6	131.3	68.2	83.9	84.9	79.0
Monument	ML	61.3	11.7	133.9	65.1	89.2	81.2	78.5
LCS Fusion AX	M	60.9	10.8	133.6	64.0	82.8	87.1	77.9
SY Clearstone CL2	L	61.1	12.7	124.4	69.9	74.0	82.3	75.4
MTCS 1642	M	60.0	12.9	127.4	68.9	82.6	73.5	75.0
WB4792	ML	63.0	12.1	148.3	70.7	78.8	74.9	74.8
LCS JET	M	59.6	12.3	130.8	65.6	78.4	80.3	74.8
Loma	ML	61.4	12.2	141.5	66.7	82.1	68.8	72.5
Keldin	ML	61.6	12.5	118.9	63.0	74.6	76.8	71.5
Warhorse*	M	61.7	14.2	126.8	59.6	79.1	73.6	70.8
Bobcat*	M	62.1	12.2	129.0	64.6	74.9	71.7	70.4
StandClear*	M	61.6	13.1	129.6	60.6	74.2	75.2	70.0
Flathead	ME	61.8	13.5	127.8	63.1	71.9	72.1	69.0
WB4311	ME	61.0	12.4	142.0	56.8	68.0	78.8	67.9
WB4483*	M	62.2	13.4	129.2	66.6	71.1	65.5	67.7
SY 517 CL2	E	63.2	13.6	136.6	60.6	68.0	66.7	65.1
Brawl CLP	E	62.3	14.2	138.9	55.6	62.1	71.0	62.9

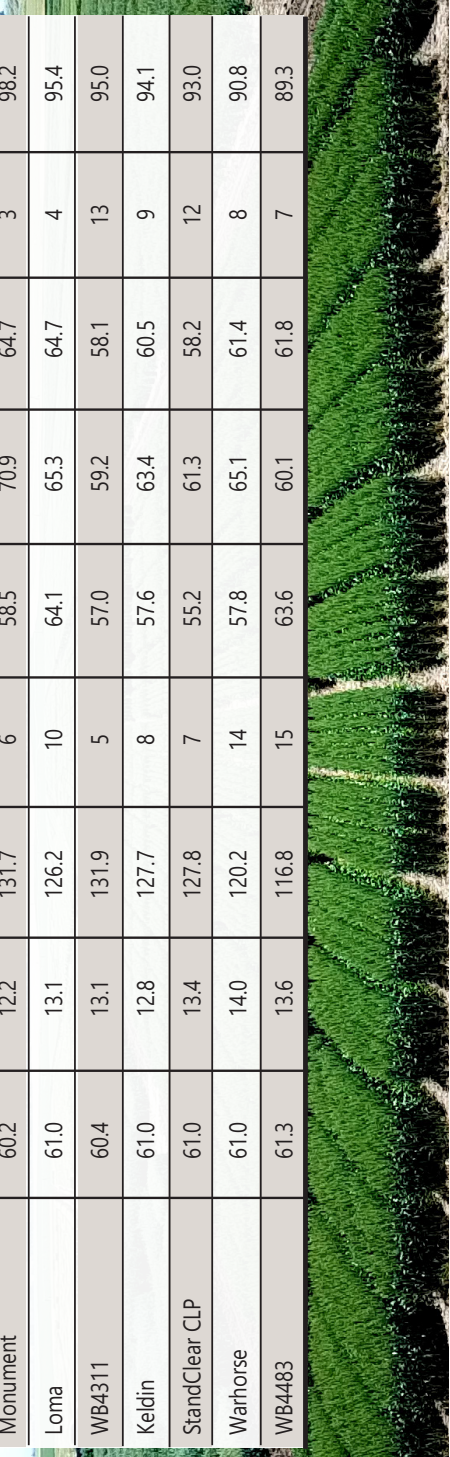
* Solid Stem.

2019-20 HERBICIDE TOLERANT HRW TRIAL

Variety	TW (lbs/bu)	Protein %	Yield bu/ac							
			Avg Irr	Irr Rank	CO	FB	Avg Dry	Dry Rank	Avg All	All Rank
Monument	60.2	12.2	131.7	1	58.5	70.9	64.7	1	98.2	1
Keldin	61.0	12.8	127.7	3	57.6	63.4	60.5	2	94.1	2
StandClear CLP	61.0	13.4	127.8	2	55.2	61.3	58.2	5	93.0	3
LCS Fusion AX	59.5	11.9	126.2	4	53.8	64.2	59.0	3	92.6	4
SY Clearstone CL2	59.8	13.2	125.5	6	56.9	60.9	58.9	4	92.2	5
SY 517 CL2	62.2	13.6	123.6	7	51.1	56.9	54.0	6	88.8	6
Brawl CL	62.0	14.3	125.5	5	46.4	56.7	51.6	7	88.6	7

MULTI-YEAR DATA

		Yield Bu/Acre							
Variety Name	TW (lbs/bu)	Protein %	Avg Irr	Irr Rank	CO	FB	Avg Dry	Dry Rank	Avg All
WB4792	62.0	12.0	145.5	1	62.6	66.1	64.3	5	104.9
Milestone	59.8	12.6	142.8	2	62.9	70.8	66.8	2	104.8
Ramsay	60.9	12.4	132.6	4	67.7	68.3	68.0	1	100.3
LCS JET	58.8	12.6	135.3	3	57.9	66.2	62.1	6	98.7
Monument	60.2	12.2	131.7	6	58.5	70.9	64.7	3	98.2
Loma	61.0	13.1	126.2	10	64.1	65.3	64.7	4	95.4
WB4311	60.4	13.1	131.9	5	57.0	59.2	58.1	13	95.0
Keldin	61.0	12.8	127.7	8	57.6	63.4	60.5	9	94.1
StandClear CLP	61.0	13.4	127.8	7	55.2	61.3	58.2	12	93.0
Warhorse	61.0	14.0	120.2	14	57.8	65.1	61.4	8	90.8
WB4483	61.3	13.6	116.8	15	63.6	60.1	61.8	7	89.3



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