

Contents

Index of Advertisers	3
Crop Varieties for Fall 2020.....	4
Personnel: Officers, Directors	5
CSGA Staff.....	5
Foundation Seed.....	5
Seed Laboratory	5
Foreword.....	6
Russian Wheat Aphid Resistant Wheats	7
Foundation Seed.....	9
Seed Arbitration	11
Seed Classes.....	12
Plant Variety Protection	13
Hard Red Winter Wheat.....	17
Hard White Winter Wheat.....	52
Soft White Winter Wheat	58
Triticale	59
Approved Seed Conditioners	61

Colorado Certified Seed Directory
Printed twice yearly
by the
Colorado Seed Growers Association
Issue #140

Index of Advertisers

Agronomy Foundation Seed	8
Andrews Bros. Seed	10
Buffalo Brand Seed	23
Colorado Seed Lab	15, 16
Doug Melcher Seeds	17
Knieval Seed	20
CoAXium Wheat	Centerfold
Pawnee Buttes Seed	Back Inside Cover
PlainsGold	Front Inside Cover
Producers Co-op	43
Southwest Seed Inc.	35
Syngenta AgriPro	2
Upper CO Eamt. Plant Ctr.	55

DISCLAIMER

The Colorado Seed Growers Association is not the producer, processor, or seller, and therefore makes no warranties, expressed or implied, of merchantability, fitness for a particular purpose, or otherwise.

CROP VARIETIES - Fall 2020

AP503 CL2 HRWW	17
Avery HRWW	18
Brawl CL Plus HRWW	21
Breck HWWW	52
Byrd HRWW	24
Byrd CL Plus HRWW	24
Canvas HRWW	26
Crescent AX HRWW	27
Denali HRWW	32
Fortify SF HRWW	32
Guardian HRWW	34
Hatcher HRWW	36
Incline AX HRWW	36
KS Dallas HRWW	37
Langin HRWW	38
LCS Fusion AX HRWW	40
LCS Mint HRWW	40
LCS Revere HRWW	41
Monarch HWWW	54
Oakley CL HRWW	42
Snowmass HWWW	56
Snowmass 2.0 HWWW	57
SY Monument HRWW	44
SY Ovation SWWW	58
SY Rugged HRWW	44
SY Sunrise HRWW	45
SY TF 813 Triticale	59
SY Wolf HRWW	45
SY Wolverine HRWW	46
TAM 114 HRWW	47
Thor Triticale	59
TRICAL Gainer 154 Triticale	60
TRICAL 348 Trticale	60
TRICAL718 Triticale	60
WB4303 HRWW	47
WB4418 HRWW	48
WB4462 HRWW	49
WB4483 HRWW	49
WB4595 HRWW	50
WB4792 HRWW	50
WBGrainfield HRWW	51
Whistler HRWW	52

CSGA Officers

Wayne Midcap, President	Wiggins
Bob Mattive, Vice President	Monte Vista
Walter Henes, Secretary	Dolores
Steve Andrews, Treasurer	Yuma

Directors

Wayne Brew	Olathe
Dr. Scott Haley	Dept. Soil & Crop Sciences
Terry Hillin	Monte Vista
Dr. Jerry Johnson	CSU Extension
Judy Jolly	Monte Vista
Jim Mertens	New Raymer
Craig Schenck	Holly
Randy Trupp	Bennett

CSGA Staff

Rick Novak	Director of Seed Programs
Linda Munk	Certification Manager
Dora Gregory	Wheat Inspector
Ken Namuth	Wheat Inspector
Steve Perry	Wheat Inspector
Joe Westhoff	Wheat Inspector
Danielle Wollert	Wheat Inspector

CSU Agronomy Foundation Seed

Barry Ogg	Manager
Rick Novak	Director of Seed Programs

Colorado Seed Laboratory

Randy Crawl	Manager
Rick Novak	Director of Seed Programs
Janelle Andrews	Analyst
Rochelle Gorman	Analyst

Foreword

The Colorado Seed Growers Association (CSGA) is a non-profit educational and service organization, authorized by Cooperative Extension of Colorado State University as the official seed certifying agency in Colorado. Growers listed in this directory are members of the CSGA, producing certified seed in accordance with the rules and regulations of the Association. CSGA is a member of the Association of Official Seed Certifying Agencies (AOSCA). AOSCA is an organization composed of agencies responsible for seed certification in the United States, Canada, Argentina, Australia, Chile, New Zealand, Panama and South Africa. The following listings include fields eligible for certification in 2020. Each seed producer is responsible for maintaining the integrity of the certifiable seed listed herein. Final certification and the right to represent the seed as certified is dependent upon the results of field inspection, proper seed conditioning and laboratory analysis.

Growers warrant that seed sold by them conforms to the standards of the CSGA and to applicable state and federal seed laws. Certified seed may be sold bagged or in bulk. Bagged seed must be packaged in new containers and have an official certified tag or label attached to each bag. Each sale of certified seed in bulk must be accompanied by a bulk sales certificate completed and signed by the producer.

Colorado Seed Law requires that each container be labeled as to its origin, the germination percentage and date tested, percent by weight pure seed, other crop seed, weed seed and inert matter. In addition, the label must contain a lot number or lot identification, along with the name and address of the person who labeled or sold the seed.

The CSGA assumes no financial responsibility for seed listed in this directory or for disagreements over sales which may arise from this list. However, any complaints or irregularities should be reported to the CSGA office.

Russian Wheat Aphid Resistant Wheats

Ankor, Bill Brown, Bond CL, Halt, Hatcher, Prairie Red, Prowers 99, Ripper, Thunder CL and Yumar are varieties released by Colorado State University that are resistant to the original Russian Wheat Aphid (RWA) Biotype RWA1. These varieties are all susceptible to Biotype RWA2 and other biotypes identified since 2003 because they carry one or more genes, that confer resistance only to Biotype RWA1. Biotype RWA2 was identified during the 2003 growing season, and several others have been identified since that time. Ongoing biotype surveys, initiated in in 2005, indicate that Biotype RWA2 has largely replaced the original. This means that RWA resistance currently is not an important criterion for Colorado wheat growers to use in selecting their wheat varieties. Because of the biotype situation, wheat producers will need to manage Russian Wheat Aphid infestations the same way they did before resistant varieties became available.

The new RWA strain should be treated with a registered insecticide if aphid counts exceed economically acceptable levels. See the following web sites for reviews of RWA control recommendations:

www.ext.colostate.edu/pubs/insect/05568.html

http://wiki.bugwood.org/HPIPM:Russian_Wheat_Aphid

Wheat germplasm with resistance to Biotype RWA2 already has been identified and is being transferred to adapted varieties.

Foundation Seed

Foundation seed of public varieties is produced by CSU Agronomy Foundation Seed, Department of Soil and Crop Sciences, Colorado State University.

Foundation seed of the following varieties is available for planting in the Fall of 2020. Foundation Seed orders will be accepted until August 17, 2020, after which the seed will be allocated. Individual orders should be placed with Tyler Benninghoven with Colorado Wheat. Please call Tyler at 970-702-1460 (cell) or 970-449-6994 (office). You may also email Tyler at tbenninghoven@coloradowheat.org.

CSU Agronomy Foundation Seed is located at the Ag Research Development and Education Center (ARDEC) on the east frontage road along I-25 north of Fort Collins; shipping can be handled with prior arrangements. Any seed ordered but not paid for or picked up by September 15, 2020 will be released to other growers.

Foundation seed will be treated and packaged in 2,000 lb totes!

SEED AVAILABLE TO CWRP PARTICIPANTS - FALL 2020

HARD RED WINTER WHEAT

Avery	Canvas
Fortify SF	Guardian
Langin	Whistler

Clearfield: Brawl CL Plus and Byrd CL Plus

CoAXium: Crescent AX and Incline AX

HARD WHITE WINTER WHEAT

Breck	Monarch
Snowmass 2.0	Sunshine

Seed Arbitration

The Colorado Seed Law passed in 1993 provides for the arbitration of disputes between seed buyer and seller. The law states that all seed sold shall be tagged with a notice of the required arbitration.

If the seed buyer believes that the seed did not perform as warranted, a claim may be filed with the Colorado Commissioner of Agriculture. The law provides for a board who will hear testimony, review evidence and decide the validity of the claim. Findings of the board are not binding but may be used as evidence in any civil suit.

Further information on arbitration or assistance in filing for arbitration should be directed to the Colorado Department of Agriculture at 303-869-9070.

NOTICE: Listings are based on acres applied for. Eligibility for certification will depend on satisfactory field and seed inspections.

Seed Classes

Seed certification relies on a generation sequence of seed increase from the original Breeder seed through two or three subsequent generations. The number of generations beyond Breeder seed is determined by the originator at the time a variety is formally released. These generations are often identified as classes, and each class is produced and handled to maintain genetic purity. The primary advantage is that seed sold to a farmer is never more than a limited number of multiplications from that produced under the breeder's control. The limited generation system, when coupled with strict production and seed standards, assures genetically pure high-quality seed.

Breeder - Breeder seed shall be that seed or vegetative propagating material directly controlled by the originating or sponsoring plant breeder, institution, or firm which provides the source for the initial and recurring increase of Foundation seed. (B)

Foundation - Foundation seed is produced from Breeder seed and maintained by state agricultural experiment stations or private companies. Foundation seed is the source of Registered and/or Certified seed. (F)

Registered - Registered seed is the progeny of Foundation seed. Registered seed, when a Registered class is designated, is the parent stock for the production of Certified seed. (R)

Certified - Certified seed is the progeny of Foundation or Registered seed. Certified seed is the planting stock recommended for commercial production. (C)

Plant Variety Protection Act and Federal Seed Law, Title V

The Plant Variety Protection ACT (PVPA) was signed into law on December 24, 1970. The PVPA's objective is to encourage the development of novel varieties of sexually-reproduced plants and make them available to the public, providing protection to those who breed, develop, or discover them, and thereby promoting agricultural progress in the public interest. The U.S. Dept. of Agriculture is responsible for administering the Act.

A Certificate of Protection is valid 20 years from date of issuance in most cases. The owner has the right to exclude others from selling, offering for sale, reproducing, importing, or exporting the variety during this time. The owner is responsible for enforcing these rights.

Two options for plant variety protection are available to the developer of the variety. The first option enables the developer to sell or authorize for sale either certified or uncertified seed of the variety. The second option is the "certification only" option which utilizes provisions of Title V of the Federal Seed Act. A variety protected in this manner may be sold by variety name only as a class of certified seed. Sale of non-certified seed by variety name is in violation of both the certificate owner's rights and federal and state seed laws. Seed may be called "Certified" only after meeting all requirements and standards of a member of the Association of Official Seed Certifying Agencies (AOSCA). Violators of Title V may be prosecuted by the federal or state government. Most newly released varieties are protected under the "certification only" option. Contact CSGA with questions regarding PVP status of varieties.

Utility Patents

Utility patents are another means of protection for developers of new plant varieties. The CLEARFIELD wheat technologies are protected under U.S. Patent law and can be used by farmers only if they sign a BASF CLEARFIELD Stewardship Agreement for the year in which they will grow CLEARFIELD wheat. The agreement requires that the farmer, among other things, use CLEARFIELD wheat solely for planting a single commercial crop.

Questions and Answers on Plant Variety Protection

Q: What are the benefits of PVP for farmers?

A: The Plant Variety Protection Act was designed to promote the development of new plant varieties. It allows the breeder to recoup some of the development costs, often through royalties, to reinvest in future variety development programs.

Q: What does PVPA Title V protection mean?

A: The variety can only be SOLD as a class of certified seed. Sales of non-certified seed of these varieties is illegal.

Q: Can a farmer save seed of a protected variety?

A: For varieties protected under 1994 PVPA, yes. A farmer can save seed to plant on his own holdings (land owned, leased, or rented). For varieties protected by CLEARFIELD Utility Patent, no. New certified seed must be purchased each year.

Q: Can a farmer sell seed of a protected variety?

A: For varieties protected under 1994 PVPA or Utility Patent, no, unless permission is given by the variety owner. Contact CSGA if you do not know what protection a variety is covered by.

Q: In an effort to get around the law, can a farmer advertise farmer-saved seed of a protected variety as “Variety Not Stated” (VNS)?

A: No, selling a protected variety as VNS is a violation of the law.

Q: Can I condition/clean seed for a farmer?

A: Yes, but any actions taken as a step in marketing farmer-saved seed infringe upon the rights of the variety owner. Under the 1994 PVPA, cleaning or storing farmer-saved seed for sale are infringements. Anyone who cleans or conditions farmer-saved seed should keep written documentation from the farmer stating that the seed being cleaned is not in violation of PVP laws or patents.

HARD RED WINTER WHEAT

AP503 CL2 HARD RED WINTER WHEAT -

AP503 CL2 is a hard red winter wheat developed by Syngenta and released in 2008. This variety has two genes for tolerance to the Beyond® family of herbicides, which will allow for the addition of adjuvants to enhance weed control of tough grasses such as feral rye using the CLEARFIELD® system. AP503 CL2 is most similar to Jagalene, which is one of the parents in the cross. It has medium maturity, very good test weight, and good straw strength. AP503 CL2 has intermediate resistance to stripe rust, and is susceptible to leaf rust. **Grain production of AP503 CL2 may not be saved for replanting under any circumstances.** Unauthorized Propagation Prohibited - To Be Sold By Variety Name Only As A Class Of Certified Seed - U.S. Protected Variety - 1994 PVPA.

<i>COUNTY/NAME/CITY</i>	<i>PH</i>	<i>CLASS</i>
Logan		
Ring, Terry	Crook	
	970-253-5009	C
Morgan		
Knieval Seed	Wiggins	
	970-483-6166	C

EVERY HARD RED WINTER WHEAT -

Avery hard red winter wheat was released by Colorado State University (CSU) in 2015. Avery was named for Franklin C. Avery who was an early 20th century agricultural and banking pioneer in northern Colorado. Avery is an awned, white-chaffed, medium maturing wheat with medium height, a medium-long coleoptile, fair straw strength, and average test weight. Avery is derived from the cross TAM 112/Byrd. Avery is very similar to Byrd in having good winterhardiness, excellent drought stress tolerance, and very high yield potential. Avery differs from Byrd in having slightly larger kernels, two days later heading date, and slightly improved baking quality characteristics. Avery is moderately susceptible to susceptible to prevalent races of stripe rust (2012 races), susceptible to leaf rust and stem rust, moderately susceptible to wheat streak mosaic virus, susceptible to all biotypes of the Russian wheat aphid, and resistant to Greenbug biotype E, the wheat curl mite, and wheat soil borne mosaic virus. Avery is marketed by the Colorado Wheat Research Foundation under the PlainsGold™ Brand. Unauthorized Propagation Prohibited – To Be Sold By Variety Name Only As A Class Of Certified Seed – U.S. Protected Variety. – 1994 PVPA.

COUNTY/NAME/CITY	PH	CLASS
Adams		
Lewton, Curtis	Bennett	
	303-644-4327	C
Trupp's Certified Seed	Bennett	
	303-644-3646	C
Baca		
Thompson, Quayde	Vilas	
	719-529-0150	C
Elbert		
Kochis Farms	Matheson	
	719-775-2596	C
Kiowa		
Sand Creek, Inc.	Sheridan Lake	
	719-729-3367	C

EVERY (cont.) -**COUNTY/NAME/CITY PH CLASS****Kit Carson**

Eastern Colorado Seeds, LLC.	Burlington	
	866-655-7380	C
Farm S Inc. (Tim Stahlecker)	Bethune	
	719-342-3197	C
Kenneth Pottorff Seed Farms	Stratton	
	719-348-5213	C

Logan

Anderson Wheat Farms	Haxtun	
	970-774-4143	R & C
Dickinson, Danny	Crook	
	970-253-5005	R & C
Ring, Terry	Crook	
	970-253-5009	C

Prowers

Schenck, Craig	Holly	
	719-688-6203	C

Washington

Pachner Agri-Enterprises	Akron	
	970-554-0645	C

Weld

Mertens Bros.	New Raymer	
	970-370-0153	C
Wagner, Chris	Longmont	
	970-535-4349	C

Yuma

Andrews Brothers Seed, Inc.	Yuma	
	970-848-0709	C

BRAWL CL PLUS HARD RED WINTER WHEAT -

Brawl CL Plus was released by Colorado State University in 2011. It is an awned, white-chaffed, medium height and early maturing wheat with both excellent straw strength and test weight. Brawl CL Plus is moderately resistant to leaf rust and moderately susceptible to stripe rust. Brawl CL Plus is a two-gene Clearfield wheat and is tolerant to the herbicide Beyond™ which has shown excellent selective control of jointed goatgrass, cheatgrass, downy brome, and feral rye with fall or spring herbicide application. The pedigree of Brawl CL Plus is Teal 11A/Above/CO99314 (CO99314 = TX91V4931/Halt). Brawl CL Plus has shown yields similar to Above and Bond CL (other Clearfield wheat varieties), with excellent test weight and milling and baking quality. **Grain production of Brawl CL Plus may not be saved for replanting under any circumstances.** Brawl CL Plus is marketed by the Colorado Wheat Research Foundation under the PlainsGold™ Brand. Unauthorized Propagation Prohibited - To Be Sold By Variety Name Only As A Class Of Certified Seed - U.S. Protected Variety. - 1994 PVPA.

<i>COUNTY/NAME/CITY</i>	<i>PH</i>	<i>CLASS</i>
Elbert		
Kochis Farms	Matheson	
	719-775-2596	R

BRAWL CL PLUS (cont.) -**COUNTY/NAME/CITY****PH****CLASS****Logan**

Anderson Wheat Farms

Haxtun

970-774-4143 R & C

Dickinson, Danny

Crook

970-253-5005 R & C

Ring, Terry

Crook

970-253-5009 R & C

Phillips

Eagle Farms

Holyoke

970-854-5328 C

Sedgwick

Carlson Grain .

Julesburg

970-474-2715 C

Dolezal, Jim

Julesburg

308-289-5445 C

Washington

Pachner Agri-Enterprises

Akron

970-554-0645 C

Weld

Marc Arnusch Farms

Keenesburg

303-732-4074 C

Yuma

Andrews Brothers Seed, Inc.

Yuma

970-848-0709 C

BYRD HARD RED WINTER WHEAT -

Byrd was released by Colorado State University (CSU) in 2011 and was named for CSU's first wheat breeder, Byrd Curtis. It is an awned, white-chaffed, medium-maturing wheat that is medium in height and has excellent test weight and fair straw strength. Byrd is moderately resistant to stripe rust and moderately susceptible to leaf rust. Byrd is resistant to prevailing biotypes of the wheat curl mite, the vector of wheat streak mosaic and other viruses. The pedigree of Byrd is TAM 112/CO970547-7 (CO970547-7 = Ike/Halt). Byrd shows high dryland and irrigated yields, excellent drought stress tolerance, and exceptional milling and baking quality. Byrd is marketed by the Colorado Wheat Research Foundation under the PlainsGold™ Brand. Unauthorized Propagation Prohibited - To Be Sold By Variety Name Only As A Class Of Certified Seed - U.S. Protected Variety. - 1994 PVPA.

COUNTY/NAME/CITY

PH

CLASS

Kiowa

Sand Creek, Inc.

Sheridan Lake
719-729-3367 C

Yuma

Andrews Brothers Seed, Inc.

Yuma
970-848-0709 C

BYRD CL PLUS HARD RED WINTER WHEAT-

Byrd CL Plus was released by Colorado State University (CSU) in 2018 and is marketed by the Colorado Wheat Research Foundation under the PlainsGold™ Brand. It is an awned, white-chaffed, medium-tall, and medium maturing wheat with a medium-short coleoptile, moderate straw strength, good milling and baking quality, fair grain protein content (measured as “grain protein deviation”), and fair test weight. Byrd CL Plus is a two-gene Clearfield wheat and is tolerant to the herbicide Beyond™ which has shown excellent selective control of jointed goatgrass, cheatgrass, downy brome, and feral rye with fall or spring herbicide application. The pedigree of Byrd CL Plus is CO06072/4*Byrd, and thus is approximately 94% Byrd by parentage.

BYRD CL PLUS HARD RED WINTER

WHEAT (*cont.*) -

Byrd CL Plus is moderately susceptible to stripe rust and leaf rust, susceptible to stem rust, and shows an intermediate reaction to wheat streak mosaic virus. Grain production of Byrd CL Plus may not be saved for replanting under any circumstances. Unauthorized Propagation Prohibited - To Be Sold By Variety Name Only As A Class Of Certified Seed - U.S. Protected Variety. - 1994 PVPA.

COUNTY/NAME/CITY	PH	CLASS
Adams		
Lewton, Curtis	Bennett	303-644-4327 C
Kit Carson		
Eastern Colorado Seeds, LLC.	Burlington	866-655-7380 C
Farm S Inc. (Tim Stahlecker)	Bethune	719-342-3197 R
Logan		
Anderson Wheat Farms	Haxtun	970-774-4143 R & C
Morgan		
Midcap Seed & Grain	Wiggins	970-483-5566 R & C
Phillips		
Eagle Farms	Holyoke	970-854-5328 R & C
Sedgwick		
Carlson Grain	Julesburg	970-474-2715 C
Washington		
Pachner Agri-Enterprises	Akron	970-554-0645 C
Weld		
Cooksey Farms	Roggen	303-849-5214 R & C
Mertens Bros.	New Raymer	970-370-0153 C
Yuma		
Andrews Brothers Seed, Inc.	Yuma	970-848-0709 R & C

CANVAS HARD RED WINTER WHEAT -

Canvas hard red wheat was released by Colorado State University (CSU) in 2018. Canvas is an awned, white-chaffed, medium maturing wheat with medium-short plant height, a medium length coleoptile, and very good straw strength and test weight. Canvas is derived from the cross Denali/Antero//Byrd, and is thus 50% Byrd and 25% each Denali and Antero by parentage. Canvas has shown high dryland and irrigated yields, good drought stress tolerance and winterhardiness, intermediate grain protein content (measured as “grain protein deviation”), and excellent milling and baking quality. Canvas is moderately resistant to prevalent races of stripe rust (including both 2010 and 2012 races), intermediate to leaf rust, resistant to stem rust, moderately resistant to wheat soilborne mosaic virus, susceptible to prevalent biotypes of Hessian fly, and resistant to the wheat curl mite which effectively reduces infection by wheat streak mosaic virus. Canvas is marketed by the Colorado Wheat Research Foundation under the PlainsGold™ Brand. Unauthorized Propagation Prohibited – To Be Sold By Variety Name Only As A Class Of Certified Seed – U.S. Protected Variety – 1994 PVPA.

COUNTY/NAME/CITY

PH

CLASS

Adams

Lewton, Curtis

Bennett

303-644-4327 R

Progressive Capital

Byers

720-244-6775 R & C

Elbert

Kochis Farms

Matheson

719-775-2596 R

Kit Carson

Eastern Colorado Seeds, LLC.

Burlington

866-655-7380 C

Farm S Inc. (Tim Stahlecker)

Bethune

719-342-3197 C

Logan

Anderson Wheat Farms

Haxtun

970-774-4143 C

Morgan

Knieval Seed

Wiggins

970-483-6166 C

Phillips

Eagle Farms

Holyoke

970-854-5328 C

CANVAS HARD RED WINTER WHEAT

(cont.)-

<i>COUNTY/NAME/CITY</i>	<i>PH</i>	<i>CLASS</i>
Prowers		
Doug Melcher Seeds	Holly	
	719-537-6214	C
Sedgwick		
Carlson Grain	Julesburg	
	970-474-2715	C
Washington		
Pachner Agri-Enterprises	Akron	
	970-554-0645	R & C
Weld		
Cooksey Farms	Roggen	
	303-849-5214	C
Mertens Bros.	New Raymer	
	970-370-0153	C

CRESCENT AX HARD RED WINTER WHEAT

Crescent AX was released by Colorado State University (CSU) in 2018 and is marketed by the Colorado Wheat Research Foundation under the PlainsGold™ Brand. It is an awned, white-chaffed, medium height, and medium-early maturing wheat with moderate straw strength, good milling and baking quality, intermediate grain protein content (measured as "grain protein deviation"), and good test weight. The pedigree of Crescent AX is (AF28/Byrd)//(AF10/2*Byrd), and thus is approximately 66% Byrd by parentage. Crescent AX carries two genes for tolerance to Aggressor™ herbicide which has shown excellent selective control of cheatgrass, downy brome, feral rye, and jointed goatgrass with fall or spring herbicide application at labelled rates by weed species. Growers should note that Crescent AX is not tolerant to Beyond™ herbicide. Crescent AX has an intermediate reaction to stripe rust and leaf rust and is resistant to the wheat curl mite which effectively reduces infection by wheat streak mosaic virus.

CRESCENT AX HARD RED WINTER

WHEAT (*cont.*) -

Growers must sign the CoAXium™ Wheat Production System Stewardship Agreement at point of sale. Grain production of Crescent AX may not be saved for replanting under any circumstances. Unauthorized Propagation Prohibited - To Be Sold By Variety Name Only As A Class Of Certified Seed - U.S. Protected Variety. - 1994 PVPA.

COUNTY/NAME/CITY PH CLASS

Adams

J & K Farm Operation (DBA Kalcevic Farms)		
Bennett	303-644-3443	C
Lewton, Curtis	Bennett	
	303-644-4327	C
Trupp's Certified Seed	Bennett	
	303-644-3646	C
Progressive Capital	Byers	
	720-244-6775	R & C

Kit Carson

Farm S Inc. (Tim Stahlecker)	Bethune	
	719-342-3197	R & C

Logan

Anderson Wheat Farms	Haxtun	
	970-774-4143	C
Ring, Terry	Crook	
	970-253-5009	R & C

Morgan

Midcap Seed & Grain	Wiggins	
	970-483-5566	C
Wickstrom, Inc.	Orchard	
	970-768-1384	R & C

Phillips

Eagle Farms	Holyoke	
	970-854-5328	C

Sedgwick

Carlson Grain	Julesburg	
	970-474-2715	R & C
Dolezal, Jim	Julesburg	
	308-289-5445	C

**CRESCENT AX HARD RED WINTER
WHEAT (cont.) -**

Washington

Pachner Agri-Enterprises Akron
970-554-0645 R & C

Weld

Cooksey Farms Roggen
303-849-5214 C
Johnston, Darrell Erie
303-591-8830 C
Mertens Bros. New Raymer
970-370-0153 C

Yuma

Andrews Brothers Seed, Inc. Yuma
970-848-0709 C

DENALI HARD RED WINTER WHEAT -

Denali was released to seed producers cooperatively by Colorado State University and Kansas State University in August 2011. It is awned, white-chaffed with medium-tall height and medium-late maturity. Denali was released based on its superior grain yield under non-irrigated and irrigated production conditions across the High Plains region, its excellent test weight, and its resistance to stripe rust. Reaction of Denali to new stripe rust races appearing in 2012 is moderately susceptible. Denali possesses good straw strength; milling quality is good and baking quality is average. Denali was selected from the cross CO980829/TAM 111. Denali is marketed by the Colorado Wheat Research Foundation under the PlainsGold Brand™ and the Kansas Wheat Alliance (KWA). Unauthorized Propagation Prohibited - To Be Sold By Variety Name Only As A Class Of Certified Seed - U.S. Protected Variety- 1994 PVPA.

<i>COUNTY/NAME/CITY</i>	<i>PH</i>	<i>CLASS</i>
-------------------------	-----------	--------------

Logan

Ring, Terry	Crook	
	970-253-5009	C

Sedgwick

Dolezal, Jim	Julesburg	
	308-289-5445	C

FORTIFY SFHARD RED WINTER WHEAT -

Fortify SF hard red winter wheat was released by Colorado State University (CSU) in 2019. Fortify SF has a semi-solid stem conferring partial resistance to the wheat stem sawfly and has shown much less stem cutting than hollow-stem varieties under severe sawfly pressure. Fortify SF is derived from the cross Byrd/Bearpaw//Byrd, and is thus 75% Byrd parentage, and is very similar to Byrd with respect to other disease and insect resistance characteristics. Fortify SF is an awned, white-chaffed, medium maturing wheat with medium plant height, a medium length coleoptile, good test weight, and fair straw strength in the absence of the wheat stem sawfly. Fortify SF has shown good dryland yields (better under sawfly pressure), good drought stress tolerance and winterhardiness, intermediate grain protein content (measured as “grain protein deviation”), and acceptable milling and baking quality.

FORTIFY SFHARD RED WINTER WHEAT -

Fortify SF is marketed by the Colorado Wheat Research Foundation under the PlainsGold™ Brand. Certified seed of Fortify SF will be sold as “Certified Seed Only”, grain production may not be saved for replanting under any circumstances. Unauthorized Propagation Prohibited – To Be Sold By Variety Name Only As A Class Of Certified Seed – U.S. Protected Variety – 1994 PVPA.

<i>COUNTY/NAME/CITY</i>	<i>PH</i>	<i>CLASS</i>
Adams		
J & K Farm Operation (DBA Kalcevic Farms)		
Bennett	303-644-3443	R
Lewton, Curtis	Bennett	
	303-644-4327	R
Progressive Capital	Byers	
	720-244-6775	R
Logan		
Anderson Wheat Farms	Haxtun	
	970-774-4143	R
Dickinson, Danny	Crook	
	970-253-5005	R
Morgan		
Midcap Seed & Grain	Wiggins	
	970-483-5566	R
Wickstrom, Inc.	Orchard	
	970-768-1384	R
Sedgwick		
Carlson Grain	Julesburg	
	970-474-2715	R
Washington		
Pachner Agri-Enterprises	Akron	
	970-554-0645	R
Wagers Seed	Woodrow	
	970-842-2022	R
Weld		
Cooksey Farms	Roggen	
	303-849-5214	R
Mertens Bros.	New Raymer	
	970-370-0153	R
Yuma		
Andrews Brothers Seed, Inc.	Yuma	
	970-848-0709	R

GUARDIAN HARD RED WINTER WHEAT -

Guardian hard red winter wheat was released by Colorado State University (CSU) in 2019. Guardian is derived from the cross Antero/Snowmass//Byrd, and is thus 50% Byrd by parentage. Guardian carries industry-leading resistance to wheat streak mosaic virus via excellent resistance to the wheat curl mite (from the Byrd parent) and excellent resistance to the virus itself (from the Snowmass parent). Guardian is an awned, white-chaffed, medium maturing wheat with medium plant height, a medium length coleoptile, average straw strength, and excellent test weight. Guardian has shown good dryland yields, good drought stress tolerance and winterhardiness, excellent grain protein content (measured as “grain protein deviation”), and good milling and baking quality. In addition to excellent resistance to wheat streak mosaic virus, Guardian is resistant to moderately resistant to prevalent races of stripe rust, leaf rust, and stem rust and susceptible to wheat soilborne mosaic virus and prevalent biotypes of Hessian fly. Guardian is marketed by the Colorado Wheat Research Foundation under the PlainsGold™ Brand. Certified seed of Guardian will be sold as “Certified Seed Only”, grain production may not be saved for replanting under any circumstances. Unauthorized Propagation Prohibited – To Be Sold By Variety Name Only As A Class Of Certified Seed – U.S. Protected Variety – 1994 PVPA.

<i>COUNTY/NAME/CITY</i>	<i>PH</i>	<i>CLASS</i>
Elbert		
Kochis Farms	Matheson	
	719-775-2596	R
Kiowa		
Sand Creek, Inc.	Sheridan Lake	
	719-729-3367	R
Kit Carson		
Farm S Inc. (Tim Stahlecker)	Bethune	
	719-342-3197	R
Logan		
Anderson Wheat Farms	Haxtun	
	970-774-4143	R
Prowers		
Doug Melcher Seeds	Holly	
	719-537-6214	R
Schenck, Craig	Holly	
	719-688-6203	R

HATCHER HARD RED WINTER WHEAT - Hatcher was released by Colorado State University in 2004. Hatcher is marketed by the Colorado Wheat Research Foundation. Hatcher has established a very stable, high-yielding record in Colorado. Hatcher was developed via a three-way cross with Yumar (50% parentage), Vista (25% parentage), and an experimental hard white winter wheat from Kansas State University (25% parentage). Hatcher is an awned, white-chaffed, medium maturing, semidwarf. Hatcher has intermediate coleoptile length, good shattering tolerance, average straw strength and excellent test weight. Hatcher is moderately susceptible to leaf rust and moderately resistant to stripe rust. Milling characteristics of Hatcher are excellent while its baking characteristics are good. Hatcher is resistant to Russian Wheat Aphid biotype 1*. Hatcher is marketed by the Colorado Wheat Research Foundation under the PlainsGold™ Brand. Unauthorized Propagation Prohibited - To Be Sold By Variety Name Only As A Class Of Certified Seed - U.S. Protected Variety. - 1994 PVPA. * Biotype 2 has largely replaced biotype 1. Wheat producers should manage RWA infestations the same way they did before resistant varieties became available.

<i>COUNTY/NAME/CITY</i>	<i>PH</i>	<i>CLASS</i>
Elbert		
Kochis Farms	Matheson	
	719-775-2596	R & C

INCLINE AX RED WINTER WHEAT - Incline AX was released by Colorado State University (CSU) in 2017 and is marketed by the Colorado Wheat Research Foundation under the PlainsGold™ Brand. It is an awned, white-chaffed, medium-short, and late maturing wheat with good straw strength, good baking quality, and grain yields slightly lower than Brawl CL Plus with lower test weight. The pedigree of Incline is (AF28/Byrd)//(AF10/2*Byrd), and thus is approximately 66% Byrd by parentage. Incline AX carries two genes for tolerance to Aggressor™ herbicide which has shown excellent selective control of cheatgrass, downy brome, feral rye, and jointed goatgrass with fall or spring herbicide application at labelled rates by weed species.

INCLINE AX RED WINTER WHEAT (cont.) -

Growers should note that Incline AX is not tolerant to Beyond™ herbicide. Incline AX has an intermediate reaction to stripe rust, is moderately susceptible to leaf rust, and similar to Byrd with respect to other important disease and insect reactions. Growers must sign the CoAXium™ Wheat Production System Stewardship Agreement at point of sale. Grain production of Incline AX may not be saved for replanting under any circumstances. Unauthorized Propagation Prohibited - To Be Sold By Variety Name Only As A Class Of Certified Seed - U.S. Protected Variety. - 1994 PVPA.

COUNTY/NAME/CITY	PH	CLASS
-------------------------	-----------	--------------

Adams

J & K Farm Operation (DBA Kalcevic Farms)		
Bennett	303-644-3443	R & C

Kit Carson

Farm S Inc. (Tim Stahlecker)	Bethune	
	719-342-3197	R

KS DALLAS RED WINTER WHEAT -

KS Dallas is a hard red winter wheat developed at the Agricultural Research Center in Hays, KS – Kansas State University. KS Dallas is adapted to dryland production systems and was selected for its good test weight, baking quality and winter hardiness. It is resistant to wheat streak mosaic virus, stripe rust and stem rust. It is moderately resistant to leaf rust. Unauthorized Propagation Prohibited - To Be Sold By Variety Name Only As A Class Of Certified Seed - U.S. Protected Variety. - 1994 PVPA.

COUNTY/NAME/CITY	PH	CLASS
-------------------------	-----------	--------------

Logan

Anderson Wheat Farms	Haxtun	
	970-774-4143	R

LANGIN HARD RED WINTER WHEAT -

Langin hard red winter wheat was released by Colorado State University (CSU) in 2016. Langin was named for Edward J. Langin (1924-2006), former CSU Extension and AES agronomist based at the Plainsman Research Center in Walsh. Langin is an awned, white-chaffed, early maturing wheat with medium-short height, a medium length coleoptile, fair straw strength, and good test weight. Langin is derived from the cross CO050270/Byrd (CO050270 = Hatcher/NW97S295 pedigree). Langin is similar to Byrd and Avery in having good winterhardiness, excellent drought stress tolerance, and very high yield potential. Langin differs from Byrd in having improved stripe rust resistance and slightly improved baking quality characteristics. Langin is moderately resistant to prevalent races of stripe rust, susceptible to leaf rust and stem rust, moderately susceptible to wheat streak mosaic virus, susceptible to all biotypes of the Russian wheat aphid, and resistant to the wheat curl mite and wheat soil borne mosaic virus. Langin is marketed by the Colorado Wheat Research Foundation under the PlainsGold™ Brand. Unauthorized Propagation Prohibited – To Be Sold By Variety Name Only As A Class Of Certified Seed – U.S. Protected Variety. – 1994 PVPA.

<i>COUNTY/NAME/CITY</i>	<i>PH</i>	<i>CLASS</i>
Adams		
Lewton, Curtis	Bennett	303-644-4327 C
Baca		
Thompson, Quayde	Vilas	719-529-0150 C
Elbert		
Kochis Farms	Matheson	719-775-2596 C

LANGIN HARD RED WINTER WHEAT

(cont.) -

<i>COUNTY/NAME/CITY</i>	<i>PH</i>	<i>CLASS</i>
Kiowa		
Sand Creek, Inc.	Sheridan Lake	719-729-3367 C
Kit Carson		
Eastern Colorado Seeds, LLC.	Burlington	866-655-7380 C
Farm S Inc. (Tim Stahlecker)	Bethune	719-342-3197 C
Kenneth Pottorff Seed Farms	Stratton	719-348-5213 C
Logan		
Anderson Wheat Farms	Haxtun	970-774-4143 C
Dickinson, Danny	Crook	970-253-5005 R & C
Ring, Terry	Crook	970-253-5009 C
Morgan		
Knieval Seed	Wiggins	970-483-6166 C
Midcap Seed & Grain	Wiggins	970-483-5566 C
Wickstrom, Inc.	Orchard	970-768-1384 C
Phillips		
Eagle Farms	Holyoke	970-854-5328 C
Prowers		
Doug Melcher Seeds	Holly	719-537-6214 R & C
Schenck, Craig	Holly	719-688-6203 C
Sedgwick		
Carlson Grain	Julesburg	970-474-2715 R & C
Dolezal, Jim	Julesburg	308-289-5445 C
Washington		
Pachner Agri-Enterprises	Akron	970-554-0645 C

LANGIN HARD RED WINTER WHEAT

(cont.) -

<i>COUNTY/NAME/CITY</i>	<i>PH</i>	<i>CLASS</i>
-------------------------	-----------	--------------

Weld

Cooksey Farms	Roggen	
	303-849-5214	C

Yuma

Andrews Brothers Seed, Inc.	Yuma	
	970-848-0709	R & C

LCS FUSION AX HARD RED WINTER WHEAT

-

LCS Fusion AX is the first wheat variety available from Limagrain Cereal Seeds that contains the patented, non-GMO, Axigen™ trait that gives two-gene resistance to Aggressor™ brand herbicides for excellent control of grassy weeds. LCS Fusion AX is a medium maturing, medium plant height variety with average straw strength, good test weight and a medium-long coleoptile. Leaf rust, stripe rust and stem rust tolerance is average. LCS Fusion AX is moderately resistant to wheat streak mosaic. LCS Fusion AX is marketed by Limagrain Cereal Seeds and sold by our licensed dealer network. Unauthorized Propagation Prohibited - To Be Sold by Variety Name Only as A Class of Certified Seed - U.S. Protected Variety - 1994 PVPA.

<i>COUNTY/NAME/CITY</i>	<i>PH</i>	<i>CLASS</i>
-------------------------	-----------	--------------

Weld

Marc Arnusch Farms	Keenesburg	
	303-732-4074	C

LCS MINT HARD RED WINTER WHEAT -

LCS Mint is a hard red winter wheat that was released by Limagrain Cereal Seeds in 2012. LCS Mint has shown a broad adaptation across the Central Plains. LCS Mint is a medium maturing variety with excellent tolerance to both low pH soils and drought conditions. The disease resistance package for LCS Mint is headlined by resistance to the 2012 race of Stripe Rust and resistance to Soilborne Mosaic Virus. LCS Mint is susceptible to leaf rust, and can lodge under irrigation. Seed of LCS Mint must be grown by licensed Limagrain Cereal Seeds distributors.

LCS MINT HARD RED WINTER WHEAT -

Unauthorized Propagation Prohibited - To Be Sold By Variety Name Only As A Class Of Certified Seed - U.S. Protected Variety - 1994 PVPA.

COUNTY/NAME/CITY **PH** **CLASS**

Kit Carson

Eastern Colorado Seeds, LLC. Burlington
866-655-7380 C

Prowers

Schenck, Craig Holly
719-688-6203 C

LCS REVERE HARD RED WINTER WHEAT -

LCS Revere is a brand-new product from Limagrain Cereal Seeds that has been extensively tested & proven; making it an excellent choice for wheat farmers in Kansas, Colorado, Oklahoma and the Texas Panhandle. Tried & true, this product shares similar lineage to T158, one of the most popular variety in the Central Plains. LCS Revere has very good stripe rust tolerance, excellent drought & heat tolerance to help it perform in the toughest of situations. Packaged with good scab tolerance, in a medium-early maturity, LCS Revere brings strong wheat streak tolerance, great tillering ability with quick emergence and dependable high yield stability to the farmers on the High Plains. LCS Revere is marketed by Limagrain Cereal Seeds and made available through our network of licensed associates. Unauthorized propagation is prohibited – to be sold by variety name only as a class of Certified seed – U.S. Protected Variety – 1994 PVPA

COUNTY/NAME/CITY **PH** **CLASS**

Kit Carson

Eastern Colorado Seeds, LLC. Burlington
866-655-7380 C

OAKLEY CL HARD RED WINTER WHEAT -

Oakley CL is a hard red winter wheat variety developed by Kansas State University. Oakley CL is a single-gene Clearfield wheat with resistance to wheat streak mosaic virus and stripe rust; moderate resistance to leaf rust; long coleoptile; and, medium to medium-late maturity. In general, Oakley CL is suitable for dryland production in western Kansas and eastern Colorado. **Grain production of Oakley CL may not be saved for replanting under any circumstances.** Oakley CL is marketed by Kansas Wheat Alliance. Unauthorized Propagation Prohibited - To Be Sold By Variety Name Only As A Class Of Certified Seed - U.S. Protected Variety - 1994 PVPA.

<i>COUNTY/NAME/CITY</i>	<i>PH</i>	<i>CLASS</i>
Phillips		
Fryrear Farms	Haxtun	
	970-774-6551	R & C
Paoli Co-op/Fryrear	970-774-7234	R & C

SY MONUMENT HARD RED WINTER WHEAT

-
SY Monument is a hard red winter wheat bred and developed by Syngenta Seeds, Inc. SY Monument is the result of a cross made in 2003 by Syngenta Seeds, Inc. in Junction City, KS. SY Monument was selected for height, straw strength, yield, bread making quality and resistance to leaf and stripe rust. SY Monument is best adapted to the winter wheat growing areas of the High Plains. Syngenta Seeds, Inc. maintains seed stock and certified classes of Foundation, Registered and Certified. Certified seed will be available in the fall of 2015. Unauthorized Propagation Prohibited - To Be Sold By Variety Name Only As A Class Of Certified Seed - U.S. Protected Variety - 1994 PVPA.

<i>COUNTY/NAME/CITY</i>	<i>PH</i>	<i>CLASS</i>
Morgan		
Knieval Seed		Wiggins 970-483-6166 C
Sedgwick		
Carlson Grain		Julesburg 970-474-2715 C
Yuma		
Andrews Brothers Seed, Inc.		Yuma 970-848-0709 C

SY RUGGED HARD RED WINTER WHEAT -

SY Rugged – the dryland performer. Widely adapted from I-80 in Nebraska down to southern plains in Texas & Oklahoma. High yields across environments, Very good test weights, Good rust tolerance—leaf and stripe, Good drought tolerance. ~3 days earlier maturity than SY Monument. Widely available as certified seed Fall 2018 Unauthorized Propagation Prohibited - To Be Sold By Variety Name Only As A Class Of Certified Seed - U.S. Protected Variety - 1994 PVPA.

<i>COUNTY/NAME/CITY</i>	<i>PH</i>	<i>CLASS</i>
Morgan		
Knieval Seed		Wiggins 970-483-6166 C

SY SUNRISE HARD RED WINTER WHEAT -

SY Sunrise is a hard red winter wheat and is the result of a cross made in 2006 by Syngenta Seeds, Inc. from an AgriPro experimental, CDC Falcon, and a University of Nebraska experimental. SY Sunrise was selected for test weight, height, green leaf duration, quality, winter hardiness and yield. SY Sunrise is adapted throughout the winter wheat growing areas of the United States Central Plains based on tests conducted in Kansas, Colorado, Nebraska, Wyoming and South Dakota. Target market is irrigated and high management dryland. Syngenta Seeds, Inc. maintains seed stock and certified classes of Foundation, Registered and Certified. Certified seed will be available in the Fall of 2016. Certified Seed will be sold as “Certified Seed Only” and growers are required to sign a stewardship agreement. Unauthorized Propagation Prohibited - To Be Sold By Variety Name Only As A Class Of Certified Seed - U.S. Protected Variety - 1994 PVPA.

<i>COUNTY/NAME/CITY</i>	<i>PH</i>	<i>CLASS</i>
Morgan		
Knieval Seed	Wiggins	970-483-6166 C

SY WOLF HARD RED WINTER WHEAT -

SY Wolf was developed by Syngenta and released in 2011. It is an awned, white-chaffed, semi-dwarf hard red winter wheat variety. SY Wolf is medium-maturing with both good straw strength and test weight. With very good tolerance to stem rust, septoria and tan spot, it works well in heavy residue. Unauthorized Propagation Prohibited - To Be Sold By Variety Name Only As A Class Of Certified Seed - U.S. Protected Variety - 1994 PVPA.

<i>COUNTY/NAME/CITY</i>	<i>PH</i>	<i>CLASS</i>
Logan		
Ring, Terry	Crook	970-253-5009 C
Morgan		
Knieval Seed	Wiggins	970-483-6166 C

SY WOLVERINE HARD RED WINTER WHEAT

- SY Wolverine is a hard red winter wheat developed by Syngenta Participations AG. SY Wolverine was selected for height, maturity, green leaf duration, disease reaction and end use quality. SY Wolverine has shown above average tolerance to leaf rust. It is broadly adapted across the Northern, Central, and Western Plains. Certified seed will become available Fall - 2020. Unauthorized Propagation Prohibited - To Be Sold By Variety Name Only As A Class Of Certified Seed - U.S. Protected Variety - 1994 PVPA.

<i>COUNTY/NAME/CITY</i>	<i>PH</i>	<i>CLASS</i>
Logan		
Ring, Terry	Crook	
	970-253-5009	R
Morgan		
Knieval Seed	Wiggins	
	970-483-6166	C
Sedgwick		
Carlson Grain	Julesburg	
	970-474-2715	R
Yuma		
Andrews Brothers Seed, Inc.	Yuma	
	970-848-0709	R

TAM 114 HARD RED WINTER WHEAT -

TAM 114 is a hard red winter wheat variety developed by Texas A&M AgriLife Research. TAM 114 has excellent drought tolerance and top yield potential combined with a superior disease package. While developed for the high plains it's resistant to leaf rust, stripe rust, and stem rust has expanded the growing region off the high plains and in to central Texas. TAM 114 offers excellent baking and milling quality.

Unauthorized Propagation Prohibited - To Be Sold By Variety Name Only As A Class Of Certified Seed - U.S. Protected Variety. - 1994 PVPA.

<i>COUNTY/NAME/CITY</i>	<i>PH</i>	<i>CLASS</i>
Phillips		
Fryrear Farms	Haxtun	
	970-774-6551	C
Paoli Co-op/Fryrear	970-774-7234	C

WB4303 HARD RED WINTER WHEAT -

WB4303 is a hard red winter wheat released by WestBred (Monsanto). WB-4303 is a central plains variety for high management situations with superior yield potential under irrigation or higher rainfall. It has excellent straw strength, standability and excellent low pH tolerance . Unauthorized Propagation Prohibited. U.S. Protected Variety- 1994 PVPA

<i>COUNTY/NAME/CITY</i>	<i>PH</i>	<i>CLASS</i>
Weld		
Marc Arnusch Farms	Keenesburg	
	303-732-4074	C

WB4418 HARD RED WINTER WHEAT -

WB4418, a Hard Red Winter wheat variety, Semi- Solid stem variety with excellent stand-ability and tolerance to the Wheat Stem Sawfly. a medium maturing variety with excellent yield potential Widely adapted from east to west, this variety provides very good resistance to leaf rust, strip rust and WSMV. Unauthorized Propagation Prohibited. U.S. Protected Variety- 1994 PVPA

COUNTY/NAME/CITY PH CLASS

Kit Carson

Farm S Inc. (Tim Stahlecker) Bethune
719-342-3197 C

Logan

Ring, Terry Crook
970-253-5009 C

Morgan

Midcap Seed & Grain Wiggins
970-483-5566 C

Phillips

Fryrear Farms Haxtun
970-774-6551 C

Paoli Co-op/Fryrear 970-774-7234 C

Washington

Pachner Agri-Enterprises Akron
970-554-0645 C

Wagers Seed Woodrow
970-842-2022 C

Weld

Marc Arnusch Farms Keenesburg
303-732-4074 C

WB4462 HARD RED WINTER WHEAT -

WB4462 is a hard red winter wheat released by WestBred (Monsanto). WB-4462 is a western and high plains adapted variety. It exhibits very good drought tolerance, winter hardiness and excellent yields under favorable conditions. It also has a good end use package for protein and milling and baking quality. Unauthorized Propagation Prohibited. U.S. Protected Variety- 1994 PVPA

<i>COUNTY/NAME/CITY</i>	<i>PH</i>	<i>CLASS</i>
-------------------------	-----------	--------------

Kit Carson

Farm S Inc. (Tim Stahlecker)	Bethune	
	719-342-3197	C

WB4483 HARD RED WINTER WHEAT -

WB4483 is a Hard Red Winter wheat variety, a medium maturing solid stem variety which give excellent tolerance to the wheat stem sawfly. Also includes excellent winter hardiness and drought tolerance. This medium-tall variety also offers excellent test weight and overall great leaf health package. Unauthorized Propagation Prohibited. U.S. Protected Variety- 1994 PVPA

<i>COUNTY/NAME/CITY</i>	<i>PH</i>	<i>CLASS</i>
-------------------------	-----------	--------------

Phillips

Fryrear Farms	Haxtun	
	970-774-6551	C
Paoli Co-op/Fryrear	970-774-7234	C

Washington

Pachner Agri-Enterprises	Akron	
	970-554-0645	C
Wagers Seed	Woodrow	
	970-842-2022	C

WB4595 HARD RED WINTER WHEAT -

WB4595, a Hard Red Winter wheat variety, Western High Plains medium-maturing, high tillering wheat variety with excellent yield potential. It carries an overall good disease resistance package with very good Leaf Rust and stripe resistance. This variety also has excellent winter hardiness, drought tolerance and tolerance to WSMV. Unauthorized Propagation Prohibited. U.S. Protected Variety- 1994 PVPA

COUNTY/NAME/CITY PH CLASS

Weld

Marc Arnusch Farms	Keenesburg	
	303-732-4074	C

WB4792 HARD RED WINTER WHEAT -

WB4792, a Hard Red Winter wheat variety, is a medium-late maturing wheat variety with excellent straw strength and drought tolerance. It has a very good overall health package in part due to its very good resistance to Leaf Rust and Yellow (Stripe) Rust and BYD. This medium height Hard Red Winter wheat variety also has very good winter hardiness and tolerance to WSMV. Unauthorized Propagation Prohibited. U.S. Protected Variety- 1994 PVPA

COUNTY/NAME/CITY PH CLASS

Kit Carson

Farm S Inc. (Tim Stahlecker)	Bethune	
	719-342-3197	C

Logan

Ring, Terry	Crook	
	970-253-5009	C

Morgan

Midcap Seed & Grain	Wiggins	
	970-483-5566	C

Phillips

Fryrear Farms	Haxtun	
	970-774-6551	C
Paoli Co-op/Fryrear		970-774-7234 C

Washington

Wagers Seed	Woodrow	
	970-842-2022	C

**WBGRAINFIELD HARD RED WINTER
WHEAT -**

WBGrainfield is a WestBred (Monsanto) common hard red winter wheat that is medium-late maturity. Plant height is medium. WB-Grainfield is adapted to the southern Great Plains. It is resistant to current races of leaf rust and moderately resistant to stripe rust. WB-Grainfield is resistant to soil borne mosaic virus and spindle streak mosaic virus. It is moderately resistant to prevalent races of stem rust. It has intermediate resistance to tan spot and speckled leaf blotch. WB-Grainfield is susceptible to fusarium head scab and powdery mildew. It is moderately susceptible to wheat streak mosaic virus. Seed classes to be recognized include Foundation, Registered, and Certified. Unauthorized Propagation Prohibited. U.S. Protected Variety - 1994 PVPA.

<i>COUNTY/NAME/CITY</i>	<i>PH</i>	<i>CLASS</i>
Phillips		
Fryrear Farms	Haxtun	
	970-774-6551	C
Paoli Co-op/Fryrear	970-774-7234	C
Washington		
Pachner Agri-Enterprises	Akron	
	970-554-0645	C

WHISTLER HARD RED WINTER WHEAT -

Whistler hard red wheat was released by Colorado State University (CSU) in 2018. Whistler is an awned, white-chaffed, late maturing wheat with tall plant height, a medium length coleoptile, and fair straw strength and test weight. Whistler is derived from the cross CO08W218/Snowmass//Byrd, and is thus 50% Byrd and 25% Snowmass by parentage. Whistler has shown high dryland yields, good drought stress tolerance and winterhardiness, intermediate grain protein content (measured as “grain protein deviation”), and excellent baking quality. Whistler is moderately resistant to prevalent races of stripe rust (including both 2010 and 2012 races), intermediate to leaf rust, resistant to stem rust, resistant to wheat soilborne mosaic virus, susceptible to prevalent biotypes of Hessian fly, and resistant to the wheat curl mite which effectively reduces infection by wheat streak mosaic virus. Whistler is marketed by the Colorado Wheat Research Foundation under the PlainsGold™ Brand. Unauthorized Propagation Prohibited – To Be Sold By Variety Name Only As A Class Of Certified Seed – U.S. Protected Variety – 1994 PVPA.

<i>COUNTY/NAME/CITY</i>	<i>PH</i>	<i>CLASS</i>
Kit Carson		
Farm S Inc. (Tim Stahlecker)	Bethune	
	719-342-3197	R
Weld		
Cooksey Farms	Roggen	
	303-849-5214	C

HARD WHITE WINTER WHEAT

BRECK HARD WHITE WINTER WHEAT -

Breck hard white wheat was released by Colorado State University (CSU) in 2017 and was named for the Colorado mountain town of Breckenridge. Breck is an awned, white-chaffed, medium maturing wheat with medium height, a medium length coleoptile, good straw strength, and very high test weight. Breck is derived from the cross Denali/HV9W07-482W//Antero, and is thus 50% Antero and 25% Denali by parentage. Breck has shown high dryland and irrigated yields, good drought stress tolerance and winterhardiness, and excellent milling and baking quality.

BRECK HARD WHITE WINTER WHEAT (cont.)-

Breck expresses a lower level of polyphenol oxidase (PPO) in the grain which favors its use in whole grain flour products. Breck is resistant to prevalent races of stripe rust (including both 2010 and 2012 races), intermediate to leaf rust, resistant to stem rust, moderately susceptible to wheat soilborne mosaic virus, intermediate to wheat streak mosaic virus, and resistant to prevalent biotypes of Hessian fly. Breck has very good pre-harvest sprouting tolerance, better than Snowmass, Antero, and Sunshine and at least as good as most adapted hard red winter wheat varieties grown in Colorado. Breck is marketed by the Colorado Wheat Research Foundation under the PlainsGold™ Brand. Grain of Breck will be available for contracting in the CWRF-Ardent Mills Ultragrain® Premium Program. Participants in the program will need to sign a Grain Pricing Schedule with Ardent Mills which details contract terms and requires planting of certified seed. Breck is also available as a non-exclusive variety in the grain trade to other millers. Unauthorized Propagation Prohibited – To Be Sold By Variety Name Only As A Class Of Certified Seed – U.S. Protected Variety – 1994 PVPA.

COUNTY/NAME/CITY**PH****CLASS****Adams**

Lewton, Curtis	Bennett	
	303-644-4327	R
Progressive Capital	Byers	
	720-244-6775	C

Baca

Brooks, Bill	Walsh	
	719-523-4473	C

Logan

Anderson Wheat Farms	Haxtun	
	970-774-4143	C

Sedgwick

Carlson Grain	Julesburg	
	970-474-2715	C

Weld

Cooksey Farms	Roggen	
	303-849-5214	C

MONARCH HARD WHITE WINTER WHEAT -

Monarch hard white wheat was released by Colorado State University (CSU) in 2018. Monarch is an awned, white-chaffed, medium/medium-late maturing wheat with medium-short plant height, a medium length coleoptile, excellent straw strength, and good test weight. Monarch is derived from a three-way cross that involves CO07W722-F5 (pedigree = KS02HW89 1/BC97ROM-41W) as 75% and Snowmass as 25% of the parentage. Monarch has shown superior grain yield under irrigation, good dryland yields, good drought stress tolerance and winterhardiness, medium grain protein content (measured as “grain protein deviation”), and good milling and baking quality. Monarch expresses a very low level of polyphenol oxidase (PPO) in the grain which favors its use in whole grain flour and noodle products. Monarch is moderately resistant to prevalent races of stripe rust (including both 2010 and 2012 races), intermediate to leaf rust, resistant to stem rust, resistant to wheat soilborne mosaic virus, moderately tolerant of wheat streak mosaic virus, and susceptible to prevalent biotypes of Hessian fly. Monarch is moderately susceptible to pre-harvest sprouting. Monarch is marketed by the Colorado Wheat Research Foundation under the PlainsGold™ Brand and is available as a non-exclusive variety in the grain trade. Unauthorized Propagation Prohibited – To Be Sold By Variety Name Only As A Class Of Certified Seed – U.S. Protected Variety – 1994 PVPA.

COUNTY/NAME/CITY PH CLASS

Kit Carson

Eastern Colorado Seeds, LLC. Burlington
866-655-7380 C

SNOWMASS HARD WHITE WINTER WHEAT -

Snowmass was released by Colorado State University in 2009, and is marketed by the Colorado Wheat Research Foundation. Snowmass was released based on its resistance to stripe rust and wheat streak mosaic virus, superior milling and bread baking quality characteristics, and adaptation for dryland production in eastern Colorado and the west-central Great Plains. Snowmass is an awned, white-glumed, hard white winter wheat. Snowmass has medium maturity and medium tall height. Coleoptile length is similar to Hatcher. Straw strength is less than average, adequate for limited irrigation or dryland production. Snowmass has adequate winterhardiness for successful production in the central Great Plains region. Snowmass is moderately resistant to leaf rust and stem rust. Reaction of Snowmass to new stripe rust races appearing in 2012 is moderately susceptible. Snowmass has moderate resistance to pre-harvest sprouting, similar to Hatcher, Trego and Avalanche. Snowmass has excellent test weight. Snowmass has excellent milling and baking quality, such that it has been entered into the CWRP - Ardent Mills Ultragrains Premium Program which pays growers a premium to grow the variety. Participants in the program will need to sign a Grain Pricing Schedule with Ardent Mills Grain Processing Company detailing the contract terms - and a Wheat Seed Agreement with CWRP that requires planting of certified seed and the delivery of all production to Ardent Mills. Snowmass is marketed by the Colorado Wheat Research Foundation under the PlainsGold™ Brand. Unauthorized Propagation Prohibited – To Be Sold By Variety Name Only As A Class Of Certified Seed – U.S. Protected Variety – 1994 PVPA.

COUNTY/NAME/CITY

PH CLASS

Adams

Lewton, Curtis

Bennett
303-644-4327 R

Morgan

Wickstrom, Inc.

Orchard
970-768-1384 C

Weld

Mertens Bros.

New Raymer
970-370-0153 C

SNOWMASS 2.0 HARD WHITE WINTER WHEAT

-

Snowmass 2.0 hard white wheat was released by Colorado State University (CSU) in 2018. Snowmass 2.0 is an awned, white-chaffed, medium maturing wheat with medium height, a medium length coleoptile, good straw strength, and good test weight. Snowmass 2.0 is derived from the cross CO07W722-F5/Snowmass//Brawl CL Plus, and is thus 50% Brawl CL Plus and 25% Snowmass by parentage. While Brawl CL Plus is in the parentage, growers should note that Snowmass 2.0 is not tolerant to Beyond™ herbicide. Snowmass 2.0 has shown high dryland and irrigated yields, good drought stress tolerance and winterhardiness, good grain protein content (measured as “grain protein deviation”), and excellent milling and baking quality. Snowmass 2.0 expresses a significantly lower level of polyphenol oxidase (PPO) in the grain which favors its use in whole grain flour and noodle products. Snowmass 2.0 is moderately resistant to prevalent races of stripe rust (including both 2010 and 2012 races), intermediate to leaf rust, resistant to stem rust, moderately susceptible to wheat soilborne mosaic virus, moderately resistant to wheat streak mosaic virus, and susceptible to prevalent biotypes of Hessian fly. Snowmass 2.0 has moderate pre-harvest sprouting tolerance, similar to Snowmass, Antero, and Sunshine and at least as good as most adapted hard red winter wheat varieties grown in Colorado. Snowmass 2.0 is marketed by the Colorado Wheat Research Foundation under the PlainsGold™ Brand. Grain of Snowmass 2.0 will be available for contracting in the CWRF-Ardent Mills Ultragrain® Premium Program. Participants in the program will need to sign a Grain Pricing Schedule with Ardent Mills which details contract terms and requires planting of certified seed. Unauthorized Propagation Prohibited – To Be Sold By Variety Name Only As A Class Of Certified Seed – U.S. Protected Variety – 1994 PVPA.

SNOWMASS 2.0 HARD WHITE WINTER WHEAT

(cont.)-

<i>COUNTY/NAME/CITY</i>	<i>PH</i>	<i>CLASS</i>
Elbert		
Kochis Farms	Matheson	
	719-775-2596	C
Logan		
Anderson Wheat Farms	Haxtun	
	970-774-4143	C
Ring, Terry	Crook	
	970-253-5009	R & C
Morgan		
Wickstrom, Inc.	Orchard	
	970-768-1384	R & C
Phillips		
Eagle Farms	Holyoke	
	970-854-5328	R & C
Sedgwick		
Carlson Grain	Julesburg	
	970-474-2715	C
Washington		
Pachner Agri-Enterprises	Akron	
	970-554-0645	R & C
Weld		
Cooksey Farms	Roggen	
	303-849-5214	C

SOFT WHITE WINTER WHEAT

SY OVATION SOFT WHITE WINTER WHEAT -

SY Ovation is a soft white winter wheat bred and developed by Syngenta Seeds, Inc. SY Ovation has shown good adaptation in the high to moderate rainfall regions of western Idaho, eastern Washington, north-central and northeastern Oregon and irrigated production in the southern Snake River region of Idaho and the irrigated production areas of Washington. SY Ovation is resistant to current predominant races of stripe rust.

<i>COUNTY/NAME/CITY</i>	<i>PH</i>	<i>CLASS</i>
Larimer		
Revolution Soil and Seed	Fort Collins	
	970-666-1878	C

TRITICALE

SY TF 813 TRITICALE-

SY TF 813 is a tall semi-dwarf cultivar of winter triticale which is shorter statured than 348 triticale. It matures earlier and is more productive than 348 but somewhat later than TAMCALE 5019. Grain yields of SY TF 813 have been substantially higher than the silage variety 348 and significantly greater than the forage cultivar TAMCALE 5019. SY TF 813 is well suited for multiple uses. Its vegetative biomass production in the fall is superior to 348 and TAMCALE 5019 and silage harvests also have been equal to or greater than check cultivars. SY TF 813 is uniformly awnletted which is preferred for hay and silage over fully awned cultivars. SY TF 813 generally produces silage with higher crude protein and higher relative feed value than either 348 or TAMCALE 5019. SY TF 813 is sufficiently winter hardy to withstand the cold temperatures characteristic of the Texas Panhandle and western Kansas. Unauthorized Propagation Prohibited – To Be Sold By Variety Name Only As A Class Of Certified Seed – U.S. Protected Variety – 1994 PVPA.

<i>COUNTY/NAME/CITY</i>	<i>PH</i>	<i>CLASS</i>
Kit Carson Eastern Colorado Seeds, LLC.	Burlington	866-655-7380 C

Montezuma Colorado Seed, LLC	Monte Vista	719-852-3505 R
--	-------------	----------------

THOR TRITICALE-

Thor™ Faculative Triticale is brought to farmers by TriCal Superior Forage. Key Attributes of Thor™ include: Awn-letted (reduced beard length); Moderate plant height; Good straw strength; Good early seedling vigor; High seed yield; High silage yield; Good silage quality; Adapted widely throughout the Pacific Northwest, Central Plains, and Northern US. Plant Variety Protection contemplated. Unauthorized seed multiplication, sales, delivery, advertising or offering of seed is strictly prohibited by the U.S Plant Variety Protection Act.

<i>COUNTY/NAME/CITY</i>	<i>PH</i>	<i>CLASS</i>
Montezuma Colorado Seed, LLC	Monte Vista	719-852-3505 C

TRICAL GAINER 154 TRITICALE-

TriCal Gainer 154 is an early maturity winter triticale. Excellent choice for silage in a double crop system with corn silage. Excellent leaf to stem ratio. Scout early to ensure timely harvest. Fully-awned. Plant Variety Protection contemplated. Unauthorized seed multiplication, sales, delivery, advertising or offering of seed is strictly prohibited by the U.S Plant Variety Protection Act.

<i>COUNTY/NAME/CITY</i>	<i>PH</i>	<i>CLASS</i>
Larimer		
Revolution Soil and Seed	Fort Collins	
	970-666-1878	C

TRICAL 348 TRITICALE-

TriCal® 348 is a winter triticale that has awnless characteristics, leading to good hay and silage production. TriCal® 348 has high tonnage resulting from spring silage harvest. TriCal® 348 has good winter hardiness. TriCal® 348 is moderately late maturing and can be grazed later than most wheats. TriCal® 348 is Tolerant of most rust diseases impacting wheat. Plant Variety Protection contemplated. Unauthorized seed multiplication, sales, delivery, advertising or offering of seed is strictly prohibited by the U.S Plant Variety Protection Act.

<i>COUNTY/NAME/CITY</i>	<i>PH</i>	<i>CLASS</i>
Montezuma		
Colorado Seed, LLC	Monte Vista	
	719-852-3505	C

TRICAL718 TRITICALE-

TRICAL® 718 can be grazed, chopped for silage or put up for hay. As with other TRICAL triticale varieties, it has the ability to consume nitrogen which makes it suited for a dairy waste management system. TRICAL® 718 is brought to farmers by PROGENE Plant Research and Syngenta. TRICAL® 718 is Plant Variety Protection contemplated. Unauthorized seed multiplication, sales, delivery, advertising or offering of seed is strictly prohibited by the U.S Plant Variety Protection Act.

<i>COUNTY/NAME/CITY</i>	<i>PH</i>	<i>CLASS</i>
Kit Carson		
Eastern Colorado Seeds, LLC.	Burlington	
	866-655-7380	R

APPROVED CERTIFIED SEED CONDITIONERS

The Approved Conditioner Program in Colorado is designed to fill the need for efficient cleaning and distribution of Colorado Certified Seed. Approved seed conditioners are regular members of the Colorado Seed Growers Association and provide quality assurance for the seed producer and the seed customer. An approved conditioner is not only responsible for cleaning certified seed, but also serves as a connection between the seed producer and the seed trade. Approved conditioners include: 1) firms that are authorized to purchase field-approved seed and move it into their plants for conditioning, submit samples for laboratory analysis, order tags, labels or bulk sales certificates, and merchandise the finished product, and 2) firms that provide seed cleaning and handling services which prepare the certifiable seed to be marketed by its grower. According to CSGA standards, all certifiable hard red winter wheat must be cleaned by an approved conditioner that has secondary equipment capable of removing jointed goatgrass. Such conditioners are noted with *. The following list does not include seed producers approved to condition only their own seed.

AAA Vidas Mobile Seed Cleaning*

Goodland, KS (Portable) 409-795-0123

Andrews Brothers Seed*

Yuma 970-848-0709

Carlson/Ring Seeds*

Julesburg 970-474-2715

Colorado Seed, LLC*

Monte Vista 719-852-3505

Cooksey Farm*

Roggen (Portable) 970-396-9084

Golden Waves, LLC*

Kimball, NE (Portable) 308-230-2060

Grain Conditioning 2 Inc.*

Conifer (Portable) 724-650-5774

APPROVED CONDITIONERS

(cont.)

KD Seed Cleaning, LLC*	
Akron (Portable)	970-554-0467
L7 Grain Company*	
Fort Morgan	970-867-3371
Lewton, Curtis*	
Bennett	303-644-3655
Midcap Seed & Grain*	
Wiggins	970-483-5265
The Pachner Outfit*	
Gage, OK (Portable)	580-273-5094
Perry Bros. Seed, Inc.*	
Otis	970-246-3401
Producers Co-op	
Olathe	970-323-6343
Revolution Soil and Seed*	
Fort Lupton	970-534-0811
Snyder & Counts Feed*	
Craig	970-824-6023
Southwest Seed Inc.	
Dolores	970-565-8722
Splitter Farms*	
Sheridan Lake (Portable)	719-729-3567
Twin Peaks Seed & Grain, LLC*	
Longmont	303-772-7333
Worley Family Farms, LLC	
Monte Vista (Portable)	719-852-4097

Notes

