

Contents

Index of Advertisers.....	3
Crop Varieties for Fall 2014.....	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	14
Hard Red Winter Wheat.....	18
Hard White Winter Wheat.....	48
Approved Seed Conditioners	55

Colorado Certified Seed Directory
Printed twice yearly
by the
Colorado Seed Growers Association
Issue #128

Index of Advertisers

Agronomy Foundation Seed	8
Andrews Bros. Seed	2
Colorado Seed Lab	16, 17
Colorado Wheat Research Found.	13
Greenbank	54
Kenneth Pottorff Seed Farms	10
Knieval Seed	25
Limagrain Cereal Seed	Centerfold
Doug Melcher Seeds	33
Pawnee Buttes Seed	20
Producers Co-op	57
Sharp Bros. Seed	Front Inside Cover
Southwest Seed	31
Syngenta AgriPro	Back Inside Cover
Upper CO Eenvt. Plant Ctr.	31

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 2014

AP503 CL2 HRWW	18
Above HRWW	19
Antero HWWW	48
Armour HRWW	21
Bill Brown HRWW	22
Brawl CL Plus HRWW	23
Byrd HRWW	28
Denali HRWW	32
Hatcher HRWW	34
Jagalene HRWW	36
Jagger HRWW	36
LCS Mint HRWW	37
NuGrain HWWW	50
Platte HWWW	38
Protection HRWW	38
Prowers 99 HRWW	38
Ripper HRWW	39
Settler CL HRWW	40
Snowmass HWWW	51
SY Wolf HRWW	41
T158 HRWW	42
TAM 111 HRWW	43
TAM 112 HRWW	44
Thunder CL HWWW	51
WB-4458	44
WB-Cedar HRWW	45
WB-Grainfield HRWW	46
Winterhawk HRWW	47

CSGA Officers

Judy Jolly, President	Monte Vista
Burl Scherler, Vice President	Sheridan Lake
Walter Henes, Secretary	Dolores
Steve Andrews, Treasurer	Yuma

Directors

Wayne Brew	Olathe
Dr. Mark Brick	Cooperative Extension
Dr. Scott Haley	Dept. Soil & Crop Sciences
Darrell Hanavan	Advisor - CWRP
Terry Hillin	Monte Vista
Bob Mattive	Monte Vista
Jim Mertens	New Raymer
Wayne Midcap	Wiggins
Randy Trupp	Bennett

CSGA Staff

Rick Novak	Director of Seed Programs
Linda Munk	Certification Manager
Dora Gregory	Wheat Inspector
Ruthanne Koch	Wheat Inspector
Ken Namuth	Wheat Inspector
David Sharman	Wheat Inspector
Danielle Wollert	Wheat Inspector

Agronomy Foundation Seed

Aaron Brown	Manager
Rick Novak	Director of Seed Programs

Colorado Seed Laboratory

Pam Bridgeman	CSA: Germination
Randy Crowl	CSA: Germination and Purity
Laurie Thoma	CSA: Germination
Rick Novak	Director of Seed Programs

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 2014. 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/HPIPМ: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 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 2014. Foundation Seed orders will be accepted until August 15, 2014, after which the seed will be allocated. Individual requests can be routed to the Colorado Seed Growers office at 970-491-6202 or Aaron Brown at 970-222-4335. You may also email Aaron at aaron.brown@colostate.edu.

All seed can be picked up 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, 2014 will be released to other growers.

SEED AVAILABLE FOR FALL 2014

HARD RED WINTER WHEAT

Above* **	Denali*
Akron	Hatcher*
Ankor*	Ripper*
Bill Brown *	Vona
Bond CL* **	Yuma
Byrd*	Yumar*
Brawl CL Plus* **	

HARD WHITE WINTER WHEAT

Antero*
Thunder CL* **
Snowmass*

*Available to CWRP participants only.

**Clearfield wheat.

Available to CWRP participants only.

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 303-249-4140.

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.

COUNTY/NAME/CITY

PH

CLASS

Kit Carson

Kenneth Pottorff Seed Farms

Stratton

719-348-5213 C

Logan

Ring, Terry

Crook

970-253-5009 R & C

Morgan

Knieval Seed

Wiggins

970-483-6166 C

Yuma

Andrews Brothers Seed, Inc.

Yuma

970-848-0709 C

ABOVE HARD RED WINTER WHEAT -

Above was developed from germplasm provided by BASF Corporation and released in 2001 by Colorado State University in cooperation with Texas A&M University. Above is marketed by the Colorado Wheat Research Foundation under the PlainsGold Brand. Above is tolerant to Beyond™ herbicide which has shown excellent selective control of jointed goatgrass, cheatgrass and downy brome with fall or spring herbicide application, and suppression to control of rye. It is an awned, white-chaffed, early maturing, semi-dwarf wheat. Plant height of Above is similar to TAM 107, while its heading date is one to two days later than TAM 107, and three days earlier than Akron. Above is resistant to Greenbug and susceptible to Russian Wheat Aphid. Above is susceptible to stripe rust and leaf rust. In CSU Variety Trials, yield of Above has been greater than Akron, TAM 107, and Prairie Red. Above has excellent test weight. Milling and bread making quality evaluations have been similar to TAM 107. **Grain production of Above 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>
Sedgwick		
Anderson, Richard	Julesburg	
	970-474-2604	R & C
Weld		
Johnston, Darrell	Erie	
	303-833-3077	C

ARMOUR HARD RED WINTER WHEAT -

Armour is a hard red winter wheat variety developed by WestBred and licensed to AGSECO in 2008. Armour is broadly adapted to the central Great Plains and features early maturity and excellent yield potential. This variety offers exceptional straw strength, very good leaf rust resistance, and excellent tolerance to low pH soil conditions. Armour is moderately susceptible to wheat streak mosaic virus, moderately resistant to leaf rust, resistant to stem rust and powdery mildew, and moderately susceptible to stripe rust. It has a medium length coleoptile, good grazing potential, good test weight, average protein content, and acceptable milling and baking quality. Unauthorized Propagation Prohibited - U.S. Protected Variety - 1994 PVPA.

COUNTY/NAME/CITY PH CLASS

Kit Carson

Farm S Inc. (Tim)

Bethune
719-342-3197 C

BILL BROWN HARD RED WINTER WHEAT -

Bill Brown was released by Colorado State University in 2007, and was named in honor of the late CSU Extension Plant Pathologist who devoted his career to management of diseases of wheat and other grain crops. Bill Brown is marketed by the Colorado Wheat Research Foundation. It is an awned, white-chaffed, medium maturing wheat, similar in maturity to Hatcher. Bill Brown was released based on its superior adaptation under non-irrigated production in eastern Colorado, high test weight, and resistance to prevalent races of leaf rust. It is moderately susceptible to stripe rust and is susceptible to stem rust. Plant height is medium short and coleoptile length is short. Standability under irrigated conditions is good. Bill Brown is resistant to Russian Wheat Aphid biotype 1*. It has good milling and baking properties and average grain protein content. 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>
Prowers		
Melcher & Sons, DBA	Holly	
	719-537-6214	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 stripe rust and moderately susceptible to leaf 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, stripe rust resistance, 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. Variety Protection Applied For - 1994 PVPA.

<i>COUNTY/NAME/CITY</i>	<i>PH</i>	<i>CLASS</i>
Adams		
Lewton, Curtis	Bennett	
	303-644-4327	R & C
Sauter Farms	Bennett	
	303-644-3314	R & C
Trupp's Certified Seed	Bennett	
	303-644-3646	R & C
Baca		
Brooks, Bill	Walsh	
	719-523-4473	C
Elbert		
Kochis Farms	Matheson	
	719-775-2596	R & C
Kiowa		
Sand Creek, Inc.	Sheridan Lake	
	719-729-3367	R

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

Eastern Colorado Seeds

Burlington

719-346-9351 C

Farm S Inc. (Tim)

Bethune

719-342-3197 C

Wilks, Randy

Burlington

719-346-7314 R

Lincoln

Dry Creek Seed

Genoa

719-740-2367 R & 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 R & C

Morgan

Midcap Seed & Grain

Wiggins

970-483-5566 R

Wickstrom Inc.

Orchard

970-768-1384 R & C

Phillips

Eagle Farms

Holyoke

970-854-5328 R & C

Sedgwick

Carlson Grain

Julesburg

970-474-2715 R & C

Dolezal, Jim

Julesburg

308-289-5445 R & C

Washington

Pachner Agri-Enterprises

Akron

970-345-6457 R & C

Weld

Cooksey Farms

Roggen

303-849-5214 R & C

Mertens Bros.

New Raymer

970-437-5480 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 average straw strength. Byrd is moderately resistant to stripe rust and moderately susceptible to leaf rust. 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. Variety Protection Applied For - 1994 PVPA.

<i>COUNTY/NAME/CITY</i>	<i>PH</i>	<i>CLASS</i>
Adams		
Lewton, Curtis	Bennett	
	303-644-4327	R & C
Progressive Farms	Byers	
	720-244-6775	R & C
Trupp's Certified Seed	Bennett	
	303-644-3646	R & C
Baca		
Thompson, Dennis	Vilas	
	719-523-4744	C
Elbert		
Kochis Farms	Matheson	
	719-775-2596	R & C

BYRD (cont.)-**COUNTY/NAME/CITY****PH****CLASS****Kiowa**

Sand Creek, Inc.

Sheridan Lake
719-729-3367 R & C**Kit Carson**

Farm S Inc. (Tim)

Bethune
719-342-3197 C

Kenneth Pottorff Seed Farms

Stratton
719-348-5213 R & C

Wilks, Randy

Burlington
719-346-7314 C**Lincoln**

Dry Creek Seed

Genoa
719-740-2367 R & 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 R & C**Morgan**

Midcap Seed & Grain

Wiggins
970-483-5566 R & C

Wickstrom Inc.

Orchard
970-768-1384 C**Phillips**

Eagle Farms

Holyoke
970-854-5328 R & C**Prowers**

Melcher & Sons, DBA

Holly
719-537-6214 R & C

Schenck, Craig

Holly
719-688-6203 C

BYRD (cont.)-**COUNTY/NAME/CITY****PH****CLASS****Sedgwick**

Anderson, Richard

Julesburg
970-474-2604 R

Carlson Grain

Julesburg
970-474-2715 R & C

Dolezal, Jim

Julesburg
308-289-5445 R & C**Washington**

Pachner Agri-Enterprises

Akron
970-345-6457 R & C

Wagers Seed

Woodrow
970-842-2022 R & C**Weld**

Cooksey Farms

Roggen
303-849-5214 C

Johnston, Darrell

Erie
303-833-3077 C

Mertens Bros.

New Raymer
970-437-5480 C

Wagner, Chris

Longmont
970-535-4349 C**Yuma**

Andrews Brothers Seed, Inc. Yuma

970-848-0709 R & 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 (CWRWF) 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. Variety Protection Applied For - 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
Weld		
Cooksey Farms		Roggen 303-849-5214 C

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*. 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.

COUNTY/NAME/CITY	PH	CLASS
Adams		
Lewton, Curtis	Bennett	
	303-644-4327	R & C
Elbert		
Kochis Farms	Matheson	
	719-775-2596	R & C
Kiowa		
Sand Creek, Inc.	Sheridan Lake	
	719-729-3367	C
Kit Carson		
Kenneth Pottorff Seed Farms	Stratton	
	719-348-5213	C
Logan		
Anderson Wheat Farms	Haxtun	
	970-774-4143	R & C
Morgan		
Midcap Seed & Grain	Wiggins	
	970-483-5566	C
Phillips		
Eagle Farms	Holyoke	
	970-854-5328	R & C

HATCHER (cont.) -**COUNTY/NAME/CITY****PH****CLASS****Sedgwick**

Carlson Grain

Julesburg

970-474-2715 C

Washington

Pachner Agri-Enterprises

Akron

970-345-6457 C

Weld

Cooksey Farms

Roggen

303-849-5214 C

Yuma

Andrews Brothers Seed, Inc.

Yuma

970-848-0709 C

JAGALENE HARD RED WINTER WHEAT -

Jagalene was developed by Syngenta and released in 2001. It was derived from Jagger and Abilene HRWWs. Jagalene is a widely adapted wheat with excellent drought tolerance. Jagalene is susceptible to leaf rust and stripe rust and moderately resistant to wheat streak mosaic virus. Jagalene has large kernels, high test weight and good milling and baking quality. It is a medium maturity semidwarf wheat with excellent straw strength and good winter hardiness. 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 R & C

JAGGER HARD RED WINTER WHEAT -

Jagger was developed by Kansas State University and the USDA-ARS, and released in 1994. Jagger is a very early maturing, moderately short variety with average straw strength. It has fair winter hardiness similar to Hawk and Newton. Jagger is susceptible to leaf and stripe rust and moderately resistant to wheat streak mosaic virus. It is susceptible to Hessian fly and powdery mildew. Jagger has average test weight patterns with good milling and baking qualities. 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>
-------------------------	-----------	--------------

Yuma

Andrews Brothers Seed, Inc. Yuma

970-848-0709 C

LCS MINT HARD RED WINTER WHEAT -

LCS Mint is the newest HRW variety from Limagrain Cereal Seeds. Released 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. Unauthorized Propagation Prohibited - To Be Sold By Variety Name Only As A Class Of Certified Seed - U.S. Variety Protection Applied For - 1994 PVPA.

<i>COUNTY/NAME/CITY</i>	<i>PH</i>	<i>CLASS</i>
Lincoln		
Dry Creek Seed	Genoa	
	719-740-2367	R
Prowers		
Walker, David T.	Johnson, KS	
	620-492-2506	C
Sedgwick		
Dolezal, Jim	Julesburg	
	308-289-5445	C

RIPPER HARD RED WINTER WHEAT -

Ripper was released by Colorado State University in 2006. Ripper is marketed by the Colorado Wheat Research Foundation. Ripper was released based on its superior yields and adaptation under non-irrigated production in eastern Colorado and its superior bread baking quality characteristics. Ripper is an awned, white-chaffed, early maturing, semidwarf wheat with good shattering tolerance. It has a medium-long coleoptile, moderate resistance to stem rust, and is susceptible to leaf rust and stripe rust. Ripper has excellent test weight. Ripper should be considered as a higher yielding replacement for other wheat varieties that have performed well in stress conditions but have lacked Ripper's baking quality. 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 & C

SETTLER CL HARD RED WINTER WHEAT -

Settler CL is a hard red winter wheat developed cooperatively by the Nebraska Agricultural Experiment Station and the USDA-ARS and co-released with South Dakota State University and the University of Wyoming. Settler CL was released primarily for its superior adaptation to rainfed wheat production systems in Nebraska, Colorado, South Dakota, and eastern Wyoming. Settler CL has a relatively long coleoptile for a semidwarf, medium plant height, and moderate resistance to stripe rust. End use quality is good. Settler CL is a wheat that may be used as a component of the BASF CLEARFIELD® Production System with Beyond™ herbicide for the selective control of jointed goatgrass, downy brome, and feral rye. The CLEARFIELD® wheat technologies are protected under U.S. Patent Law. **Grain production of Settler CL 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

Logan

Dickinson, Danny

Crook

970-253-5005 C

Washington

Wagers Seed

Woodrow

970-842-2022 C

Weld

Cooksey Farms

Roggen

303-849-5214 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. Variety Protection Applied For - 1994 PVPA.

<i>COUNTY/NAME/CITY</i>	<i>PH</i>	<i>CLASS</i>
Kit Carson		
Kenneth Pottorff Seed Farms	Stratton	
	719-348-5213	C
Logan		
Ring, Terry	Crook	
	970-253-5009	R & C
Sedgwick		
Carlson Grain	Julesburg	
	970-474-2715	C
Yuma		
Andrews Brothers Seed, Inc.	Yuma	
	970-848-0709	C

T158 HARD RED WINTER WHEAT -

T158 was developed by Trio Research, Inc. T158 is now owned, and is being sold by Limagrain Cereal Seeds, made possible by the acquisition of Trio Research in 2010. T158 is a medium-early variety released in 2009. It is well adapted and high yielding in the High Plains including Eastern Colorado and Western Kansas under dryland and irrigated conditions. T158 has excellent drought tolerance, very good straw strength, intermediate resistance to WSMV, and moderate resistance to the new stripe rust strain prevalent in 2012. T158 is susceptible to acid soils and moderately susceptible to leaf rust. Seed of T158 must be grown by licensed Limagrain Cereal Seeds distributors. U.S. Variety Protection is controlled by contract agreement.

COUNTY/NAME/CITY PH CLASS

Morgan

Knieval Seed

Wiggins

970-483-6166 R & C

TAM 111 HARD RED WINTER WHEAT -

TAM 111 was developed by the Texas Agricultural Experiment Station and released in 2002. TAM 111 is marketed by AgriPro Wheat and has a good performance record under irrigation in Colorado. It is a medium-maturing, white-chaffed, semidwarf variety with medium coleoptile length and very good straw strength. TAM 111 is relatively tall for a drought-adapted semidwarf wheat and can show irregular height under irrigated conditions. Heading date is similar to Hatcher. TAM 111 is susceptible to greenbug and Russian Wheat Aphid. It is resistant to stripe rust and stem rust, susceptible to leaf rust, and is moderately susceptible to both barley yellow dwarf virus and wheat streak mosaic virus. TAM 111 has good test weight and good milling and baking quality characteristics. 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		
Kenneth Pottorff Seed Farms	Stratton	
	719-348-5213	C
Logan		
Ring, Terry	Crook	
	970-253-5009	C
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	R & C

TAM 112 HARD RED WINTER WHEAT -

TAM 112 was developed by the Texas Agricultural Experiment Station and released in 2005. It is marketed by Watley Seed Company. TAM 112 is adapted to the rain-fed production systems in the High Plains of Texas and similar areas in Colorado, Kansas and Oklahoma. It is suitable for both dual purpose (grazing plus grain) and grain only systems. It is awned, with red glumes, and has excellent tolerance to wheat streak mosaic virus. TAM 112 is an early maturing semidwarf and has winter hardiness similar to most commonly grown hard red winter wheat cultivars. TAM 112 is resistant to the three most prevalent greenbug biotypes (E, I and K). Based on field observations, TAM 112 is resistant to powdery mildew, moderately susceptible to stripe rust and susceptible to leaf rust. Test weight is medium-high and milling and baking characteristics are excellent. 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		
Wilks, Randy	Burlington	
	719-346-7314	C

WB 4458 HARD RED WINTER WHEAT -

WB4458 is an early medium, medium height, red chaffed variety with excellent straw and excellent yield potential. WB4458 has medium to large heads with very good test weight. This variety has large seed, so monitor your seed count to make sure you will have enough plants per acre for a good stand in your area. WB4458 is widely adapted across the central plains and has shown good drought and winter hardiness to work in the high plains. It is moderately resistant to stripe rust, leaf rust and most leaf diseases. Seed should be available to growers in Fall 2014. To learn more go to www.westbredseeds.com and get more details about WB4458 and our other varieties.

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

WB-CEDAR HARD RED WINTER WHEAT -

WB-Cedar is a common hard red winter wheat released by WestBred (Monsanto). WB-Cedar exhibits very good winter hardiness, excellent straw strength, excellent top yields under favorable conditions, tolerance to acid soils and good shattering resistance. It shows tolerance to soil borne mosaic for east to west adaptation and has a good foliar disease package including stripe rust. Unauthorized Propagation Prohibited. U.S. Variety Protection Applied For - 1994 PVPA.

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

Kit Carson

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

Logan

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

WB-GRAINFIELD HARD RED WINTER WHEAT -

WB-Grainfield 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. Variety Protection Applied For - 1994 PVPA.

<i>COUNTY/NAME/CITY</i>	<i>PH</i>	<i>CLASS</i>
Kit Carson		
Farm S Inc. (Tim)	Bethune	
	719-342-3197	R
Logan		
Fryrear Farms	Haxtun	
	970-774-6551	R & C
Paoli Co-op/Fryrear	970-774-7234	R & C
Morgan		
Midcap Seed & Grain	Wiggins	
	970-483-5566	C

WINTERHAWK HARD RED WINTER WHEAT -

Winterhawk is a hard red winter wheat variety developed by WestBred and licensed to AGSECO in 2007. Winterhawk is a high yielding variety with very good test weight. This variety has a medium length coleoptile, emerges well and covers the ground quickly in the fall. It has a high tillering capacity, along with very good drought tolerance. Winterhawk is resistant to stripe rust and moderately resistant to wheat streak mosaic virus, it is moderately susceptible to leaf rust. It has good straw strength, and very good milling and baking qualities. Unauthorized Propagation Prohibited - U.S. Protected Variety - 1994 PVPA.

<i>COUNTY/NAME/CITY</i>	<i>PH</i>	<i>CLASS</i>
Logan		
Fryrear Farms	Haxtun	
	970-774-6551	C
Paoli Co-op/Fryrear	970-774-7234	C
Morgan		
Midcap Seed & Grain	Wiggins	
	970-483-5566	C

HARD WHITE WINTER WHEAT

ANTERO HARD WHITE WINTER WHEAT -

Antero hard white wheat was released by Colorado State University (CSU) in 2012 and was named for one of Colorado's 14ers, Antero Peak. Antero is an awned, white-chaffed, medium maturing wheat with medium height, a medium length coleoptile, good straw strength, and excellent test weight. Antero is derived from the cross KS01HW152-1 (Trego/Betty sib)/TAM 111. Antero has shown high dryland and irrigated yields, good drought stress tolerance, and good milling and baking quality. Antero is resistant to prevalent races of stripe rust (including both 2010 and 2012 races), susceptible to leaf rust, moderately resistant to stem rust and wheat soilborne mosaic virus, and has good pre-harvest sprouting tolerance (similar to Snowmass and Hatcher, better than Thunder CL). Antero is marketed by the Colorado Wheat Research Foundation under the PlainsGold Brand. For the 2014 crop, grain of Antero will not be contracted in the CWRF-ConAgra Ultragrain Premium Program in Colorado, though ConAgra will accept the grain. Unauthorized Propagation Prohibited – To Be Sold By Variety Name Only As A Class Of Certified Seed – U.S. Variety Protection Applied For – 1994 PVPA.

COUNTY/NAME/CITY	PH	CLASS
Adams		
Progressive Farms	Byers	720-244-6775 C
Kiowa		
Thunderbird L&L	Towner	719-729-3316 C
Kit Carson		
CSF Farms	Seibert	970-664-2281 C
Weld		
Cooksey Farms	Roggen	303-849-5214 R & C

NuGRAIN HARD WHITE WINTER WHEAT -

NuGrain was released by Syngenta in 2006. NuGrain's parentage is one-half Platte. It is a medium height semidwarf with medium late maturity. NuGrain has good straw strength and winter survival, with an intermediate reaction to stripe rust and moderate resistance to leaf rust. NuGrain has excellent test weight and grain quality, and is high in polyphenol oxidase. NuGrain is adapted to western Kansas, eastern Colorado, and southwestern Nebraska. 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

Yuma

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

PLATTE HARD WHITE WINTER WHEAT -

Platte was developed by Syngenta and released in 1995. Platte is a high yielding, short semidwarf wheat with medium-late maturity and excellent straw strength. Platte provides moderate resistance to leaf rust and good resistance to soil-borne mosaic virus and spindle streak mosaic virus. However, Platte is susceptible to stripe rust. Milling and baking characteristics are good. Platte is well-adapted to a large portion of the hard winter wheat region. This includes eastern Kansas, southwestern Nebraska, eastern Colorado and the states of Texas and Oklahoma. 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***

Morgan

Knieval Seed

Wiggins

970-483-6166 R & 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 CWRF/ConAgra Ultragrain Premium Program which pays growers a premium to grow the variety. Participants in the program will need to sign a Grain Pricing Schedule with ConAgra Grain Processing Company detailing the contract terms - and a Wheat Seed Agreement with CWRF that requires planting of certified seed and the delivery of all production to ConAgra. 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

Progressive Farms

Byers
720-244-6775 C

Baca

Brooks, Bill

Walsh
719-523-4473 R & C

**SNOWMASS (cont.) -
COUNTY/NAME/CITY**

PH CLASS

Elbert

Kochis Farms

Matheson
719-775-2596 R & C

Kit Carson

CSF Farms

Seibert
970-664-2281 C

Lincoln

Dry Creek Seed

Genoa
719-740-2367 R

Logan

Anderson Wheat Farms

Haxtun
970-774-4143 R & C

Ring, Terry

Crook
970-253-5009 R & C

Morgan

Wickstrom Inc.

Orchard
970-768-1384 C

Phillips

Eagle Farms

Holyoke
970-854-5328 R & C

Rafert, Gary

Amherst
970-854-2607 C

Sedgwick

Dolezal, Jim

Julesburg
308-289-5445 R & C

Washington

Pachner Agri-Enterprises

Akron
970-345-6457 C

Weld

Cooksey Farms

Roggen
303-849-5214 C

Mertens Bros.

New Raymer
970-437-5480 C

THUNDER CL HARD WHITE WINTER WHEAT- Thunder CL was released by Colorado State University in 2008, and is marketed by the Colorado Wheat Research Foundation. Thunder CL is tolerant to the herbicide Beyond™ which has shown excellent selective control of jointed goatgrass, cheatgrass and downy brome with fall or spring application, and suppression to control of feral rye. Thunder CL is an awned, white-chaffed, medium-early maturing, medium-short semi-dwarf. It also has high irrigated yields, excellent test weight, and good straw strength. Thunder CL has moderate resistance to stripe rust, stem rust, leaf rust, and wheat streak mosaic virus. Thunder CL has excellent milling and baking quality, such that it has been entered into the CWRP/ConAgra Ultragrain Premium Program which pays growers a premium to grow the variety. Participants in the program will need to sign a Grain Pricing Schedule with ConAgra 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 ConAgra. **Grain production of Thunder CL 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>
Kit Carson		
Weaver, Ryan	Burlington	
	719-346-7779	C
Phillips		
Eagle Farms	Holyoke	
	970-854-5328	R
Weld		
Cooksey Farms	Roggen	
	303-849-5214	R & C

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 Bros. Seed, Inc.*

Yuma 970-848-0709

The Beanery Co.

Delta 970-874-7513

Colorado Seed, LLC*

Monte Vista 719-852-3505

Cooksey Farm*

Roggen (Portable) 970-396-9084

Grain Conditioning Inc.*

Eaton (Portable) 970-454-0695

APPROVED CONDITIONERS

(cont.)

Greenbank Inc.*

Fort Morgan (Portable) 970-867-8961

KD Seed Cleaning, LLC.*

Akron (Portable) 970-345-6655

Curtis Lewton*

Bennett 303-644-4327

Midcap Seed & Grain*

Wiggins 970-483-5566

Monte Vista Co-op

Monte Vista (Portable) 719-852-3203

Paoli Farmers Co-op*

Paoli 970-774-7234

Perry Bros. Seed, Inc.*

Otis 970-246-3401

Producers Co-op

Olathe 970-323-5763

Radke Engineering, Inc.*

Big Springs, NE (Portable) 877-588-3211
319-277-3624

RAM Farms*

Leoti, KS 620-874-0331

Rio Grande Commodities

Monte Vista 719-852-4088

Seibert Co-op*

Seibert 970-664-2211

Snyder & Counts Feed*

Craig 970-824-6023

Splitter Farms*

Sheridan Lake (Portable) 719-729-3567

Thunderbird L & L, Inc.*

Towner (Portable) 800-289-1415

Twin Peaks Seed & Grain, LLC *

Longmont 303-772-7333

Western Colorado Research Center

Fruita 970-858-3629
ext. 4

Worley Seed

Monte Vista (Portable) 719-852-4096

Notes

