

# SDSU Seednews

Volume 25 Issue 4

November 2017

*Special points of interest:*

- New Hard Red Winter Wheat Release “Thompson”
- Form E’s have Been Sent Out
- Ag Horizons Conference Dec 5-6, 2017 Pierre SD
- State Crop Show Registration Deadline Feb. 2, 2018

*Inside this issue:*

FSSD Sales	2
Precision Ag Project	3
Annual Meeting Notice	3
State Crop Contest	4
Ag Horizons Registration	4
Ag Horizons Agenda	5

## Labeling Oats in Cover Crop and Forage Mixtures

By Neal Foster Ex. Dir SDCIA

Recently I have been asked about labeling of cover crop and oat/pea mixtures, more specifically, the use of non-certified oats in these mixtures. As the use of cover crops increases with the realized benefits that they provide, the opportunity for misrepresentation and improper labeling also increases. The make-up of these mixes varies on the intended use – moisture conservation – organic matter build up – grazing. The mixes generally will have a cereal (oats, rye), legume (vetch, lentils), and brassica (turnip, canola). Many of the seed types that go into these mixes are from non-certified seed production. This is due to low demand and the absence of an active university or private breeding program. Even on those species with an active breeding program, many of the seeds in the mixture are not certified. The labeling requirements as defined in the South Dakota State Seed Law are as follows:

The requirements for the label are:

1) The name of the kind, or kind and variety, or kind and “variety not stated” for each agricultural seed component in excess of five percent of the whole, and the percentage by weight of each in order of its predominance. Mixtures shall be listed in the label using the term “mixture,” “mixed,” or “mix”; Variety stated: Barley, flax, oats, rye, soybeans, triticale, and wheat seeds must be labeled as to kind and variety except when two or more varieties each in excess of 5% of the whole, are combined to form a blend. The variety names may be omitted from the label provided the kind is clearly identified with the word “blend” or other name or number commonly used by the seedsmen or seed producers to identify their blends;

2) Hybrids must be labeled as hybrids, unless the pure seed contains less than 75% hybrid seed. If the percentage of the hybrid seed is greater than 75%, but less than 95%, the percentage of hybrid must be labeled parenthetically following the variety;

3) Lot number or other lot identification;

4) State or foreign country of origin, if known, or perennials when grown in this state. If not known, the label must state that the origin is unknown;

5) Percentage by weight of all weed seed;

6) Name and rate of occurrence of each kind of restricted noxious weed seed, listed under the heading “noxious weed seeds”;

7) Percentage by weight of agricultural seeds other than those required to be named on the label, listed under the heading “other crop”;

8) Percentage by weight of inert matter; dormant seed” may be stated, if desired;

Continued Page 2

## Labeling Continued

- 9) For each named agricultural seed:
  - A. Percentage of germination, exclusive of hard and dormant seed (tetrazolium tests may be substituted for germination tests for green needlegrass and western wheatgrass);
  - B. Percentage of hard and dormant seed, if present;
  - C. The additional statement "total germination and hard and
  - D. The calendar month and year the test was completed to determine such percentages;
- 10) Name and address of the seedsman or seed producer who labeled the seed.

The area that is most often misrepresented in the mixture is small grains. Most of the small grains, oats in particular, have Plant Variety Protection with Title V meaning that they must be sold by variety name as a class of certified seed. In order to use those varieties in a mixture, permission from the owner must be obtained. For SDSU varieties this has been done in the form of a letter stating the varieties that can be used in mixtures. This letter can be obtained from the SDCIA office.

Often when these mixes are being blended for the consumer the seller will obtain the cheapest seed available. In the case of the small grains this usually means a trip to the local elevator to buy grain to be used as seed. If there is any presence of a variety protected with PVP Title V in the purchase, a violation of Federal Seed Law has occurred. As the newer varieties with PVP replace those without, your chances of using illegal seed are great. With the use of electrophoresis to determine variety identity, infringements of PVP are quickly and easily detected.

SDCIA and SDSU has and will actively pursue the illegal use of our varieties. Every illegal sale that occurs takes money out of the pocket of those seedsmen who are selling seed legally. If you are aware of any illegal sales occurring please notify the SDCIA office. All information will be kept confidential.

## New SDSU Release of Thompson HRW Wheat Helps Foundation Winter Wheat Sales Rebound from 2016

By Jack Ingemansen, FSSD Manager

Thompson, a new SDSU release in 2017, was the top selling variety this fall. It has a good disease package with the best head scab tolerance of varieties currently grown. Thompson also has excellent straw strength. Oahe, a 2016 SDSU release was second followed by Redfield. The drought contributed to good sales with many Certified Seed fields abandoned. The high carryover from the record 2016 crop helped with the supply of Certified Seed with the lack of the 2017 production. Sales of Ideal, Expedition and Lyman were very low. Supplies of Foundation Lyman will no longer be available.

HRW Variety	2017 Sales	2016 Sales	2015 Sales
Thompson	2,222	-	-
Oahe	1,305	2,474	-
Redfield	1,178	635	2,670
Overland	361	541	2,093
Ideal	42	136	2,179
Expedition	22	66	1,162
Other	39	48	494
Totals	5,169	3,900	8,598

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# Precision Ag Project/Building

By Neal Foster Ex. Dir SDCIA

I recently attended a meeting for the Precision Ag Program. Prior to attending this meeting I had not really given much thought to the Precision Ag Program, to me it was all corn and beans. After listening to the speakers and getting a better understanding of what SDSU Plant Science and Ag Engineering are trying to accomplish, I realized that this project is much greater than corn and beans. South Dakota is called the land of infinite variety for a number of reasons. We sit in a convergence zone of the corn belt, soybean belt, spring wheat belt and winter wheat belt. This results because much of our production is on marginal land, which is difficult to make a living on. The blessing or curse of marginal land makes our producers be some of the most efficient in the world; every penny that is applied to the field needs to be accounted for to make a profit. This is the point where precision ag can make a tremendous impact on our producers. Just imagine using herbicide at 100<sup>th</sup>s or 1000<sup>th</sup>s of an ounce per acre. This could be done by the sprayer recognizing weeds in the field and treating only the target weeds. The same technology could be used with fertilizer applications.

One of the things that I always worry about with these projects are how it will affect our smaller producers. In this case I feel that it would be a great benefit. Many of the smaller producers cannot afford the new technologies but the local coop that makes most of the recommendations and applications will adopt the new technology quickly. The local coop is the entity that provides the most services to the local producer; the new technologies will be able to be supplied faster and at a cheaper rate than current methods.

The current facilities are showing their age. They remind me of the Gleaner combine that my father and then my brother used for many years. In its day it was a marvel of technology but after nursing it through the last couple of harvests it was time for a replacement. The buildings that this project are scheduled to replace are the Ag Engineering building, built in the 1950's and part of Ag Hall. With Ag Hall, the Plant Science Faculty would be moved to the new building. Having Ag Engineering and Plant Science Faculty in the same building and intermixed will allow for the greater flow of ideas and collaboration.

During the meeting, one of the speakers predicted that the investment in the new technologies would provide a return of 615 million to 1.5 billion dollars in state gross product over a ten year period. With an initial investment of 55 million this would mean an 11 to 1 return at the lower return over a 10 year period. During that same period there would be support for between 500 and 1200 new jobs, and an additional 15 to 35 million in local and state taxes. The speaker also said that there would be an estimated 400 million to 1 billion dollars added to the value of corn, soybeans and wheat.

Of the 55 million that is needed for this project, 13.5 million has been secured, 10.6 million will come from donors leaving a funding gap of 30.9 million. The plan is to ask the state to help fill in this gap. This project will have a tremendous pay off for agriculture in South Dakota. I would compare this project to the initial Microsoft share offering where a \$10,000 investment in 1986 would be worth approximately \$3,000,000 today. SDCIA members are asked to contact their local elected representatives and voice their support for this project.

## Notice of Change in SDCIA Annual Meeting Time and Date

Due to a meeting conflict the Annual SDCIA Membership Meeting will be held on the first day of the Ag Horizons Conference, Tuesday, December 5<sup>th</sup>, 2017 at 9:00AM. The meeting will be held in the Lake Francis Case room of the Ramkota Convention Center.

## OFFICIAL NOTICE

This edition of SDSU Seed News will serve as your official notice of the SDCIA Annual Membership Meeting. The meeting will be held Tuesday, December 5<sup>th</sup> 2017 at 9:00AM at the RamKota Convention Center in Pierre, SD. Election results of board members from the North District, At-Large-Position and Premier Seed Grower will be announced at the annual meeting. If you have any questions please call the SDCIA office. 605-688-4604.

### State Crop Contest

This year the State Crop Contest will be held during the Watertown Winter Farm Show, February 6<sup>h</sup> thru the 10<sup>th</sup>. Every year SDCIA hosts the Crops Contest and for several years now the number of entries has been declining. In an effort to increase interest in the show the SDCIA will again be sponsoring a \$1000.00 donation. Anyone who enters the contest is eligible for the drawing. The winner of the drawing will get to designate a South Dakota 4-H Club or FFA Chapter that will receive the donation. The classes and entry requirements are posted on the Watertown Chamber of Commerce web site: [www.watertownsd.com](http://www.watertownsd.com) and will be posted on the Watertown Winter Farm Show web site ([www.watertownwinterfarmshow.com](http://www.watertownwinterfarmshow.com)) at a later date. Entries must be at the Codington County Extension Office no later than noon on Friday, February 2<sup>nd</sup>, 2018.

### Ag Horizons Conference

Ag Horizons Conference will be Tuesday and Wednesday December 5<sup>th</sup> and 6<sup>th</sup> at the RamKota Convention Center in Pierre. You can register for the conference at <http://sdwheat.org/> and clicking on the Ag Horizons tab.

### Room Reservation Information

Ramkota	Phone 605-224-6877 Rate \$106.00
	<a href="mailto:Reservations@pierreramkota.com">Reservations@pierreramkota.com</a>
Club House	Phone 605-494-2582 Rate \$124.00
Governors Inn	Phone 605-224-4200 Rate \$70.00 (state rate accepted)
Days Inn	Phone 605-224-0411 Rate \$73.00 (state rate accepted)

Reservation deadline for convention room rate is November 15, 2017

### Ag Horizons Registration Information

To Register for the Ag Horizons Conference go to the web site for SD Wheat Inc. (<http://sdwheat.org/>). Once you reach the web site click on the Ag Horizons tab. This will take you to Ag Horizons Conference information. This page has options for the agenda (most current version) and registration. You can either register on-line or print a registration form and return it to the SD Wheat Inc office. The cost for registration is \$85.00 until November 21<sup>st</sup> after which the cost will be \$95.00.

# 2017 Ag Horizons Agenda

Tuesday, December 5, 2017

7:30 – 8:00	Gallery	Breakfast
8:00 – 8:50	Amphitheatre	Welcome Ag Secretary Mike Jaspers
8:00 – 8:50	Amphitheatre	Integrating Livestock into Cropping Systems, Cody Zilverberg
9:00 – 9:50	Breakout Sessions	
	Gallery	Your Vision & Mission Statement, Annies Project
	Gallery	Road Safety for Large Equipment, John Broers, DOT
	Amphitheatre	Managing the Weather, Laura Edwards SDSU
	<b>Lake Francis Case</b>	<b>SDCIA Annual Meeting</b>
10:00 – 10:50	Breakout Sessions	
	Gallery	Precision Ag and Future Applications, Nick Jorgenson
	Gallery	How to Survive Farm Record Keeping, Lori Tonak, MT
	Amphitheater	“Soil Infiltration and Cover Crop Selection” Anthony Bly
11:00 – 11:50	Amphitheatre	Integrating Biologicals, Fertility & Cropping to Maximize Yields” , Dan Coffin
12:00 Noon	Gallery	“In An Instant”, Arick Baker & “Life Changing” Shannan DePoy
		Sponsored by SD Wheat Commission,
1:00 – 1:50	Amphitheatre	Marketing Bootcamp: Pick the right tool for the job” Chip Flory, Pro Farmer
2:00 – 2:50	Breakout Sessions	
	Gallery	Soil Health Panel
	Gallery	“Matching Oat Varieties with Marketing Opportunity” Melanie Caffé SDSU
	Amphitheater	“Growing Pains of Farm Family Transition” Alan Hojer
2:50 – 3:00	Gallery	Cookie Break – Sponsored by Farm Credit Services of America
3:00 – 3:50	Amphitheatre II PD1	Phomopsis and Sunflowers, Febina Mathew, SDSU
4:00 – 4:50	Breakout Sessions	
	Gallery	“Will One Fungicide Placement Control Wheat Diseases?” Emmanuel Byamukama
	Gallery	“Water Quality & Soil Health Opportunities” K. Anderson & J. Vanderwilt, NRCS
	Gallery	“Family Conflict & Management” Annies Project
5:00 – 6:00	Lake Sharpe	SD Pulse Growers meet with Steve Junghans, RMA
5:00 – 7:00	Gallery	Social Hour, Game Night and Silent Auction Exhibit Area –

Wednesday, December 6, 2017

7:30 – 8:50	Gallery	Breakfast
8:00 – 8:50		
9:00 – 9:50	Amphitheatre	“2018: Rebalancing Supply with Demand” Chip Florey, Pro Farmer
10:00 – 10:50	Breakout Sessions	
	Gallery	“Improved Soil Health; Appearance and Importance”, Jeff Zimprich NRCS
	Gallery	“Keeping Personal Spending in Check”, Annies Project
	Amphitheater	“Getting Paid for the Grain You Produce” Chris Nelson, PUC
11:00 – 11:50	Breakout Sessions	
	Gallery	“Labor Issues of Production Ag Are Unknowingly Self Inflicted”, Alan Hojer
	Gallery	“A New Approach to Wheat Marketing” Kevin Kephart, Indigo
	Gallery	“Future of Pulse Markets” Eric Bartsch, AGT
12:00 Noon	Gallery	Luncheon,

## FIRST TIME EVER – INDUSRTY SEMINARS

1:00		“No Bugs on My Watch” Paul Drache, Central Life Sciences
2:00		“Rethink Your Wheat; 3 Fundamental Agronomic Inputs to Achieve High Performance” Jill Herold, Arysta Life Sciences
3:00		“Pulse Variety Updates & Cover Crop Intro” Emily Paul, Pulse USA
4:00		“Higher Profitability Through Better Stands” Alison Pokrzywinski & Jed Wall, NuSeeds & Legend Seeds

\* Continuing Education Units (CEUs) for the Certified Crop Advisor Program.

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“Don't judge each day by the harvest you reap but by the seeds that you plant.”

Robert Louis Stevenson

You cannot hold on to anything good.  
You must be continually giving - and getting.  
You cannot hold on to your seed.  
You must sow it - and reap anew.  
You cannot hold on to riches.  
You must use them and get other riches in return.

Robert Collier