

SDSU Seednews

Volume 20 Issue 1

August 2012

Special points of interest:

- Cereal Bowl Sept. 15th, vs. UC Davis
- Winter Wheat Directories Available on line
www.sdca.info
- Winter Wheat CPT Data available on-line at www.igrow.org
- Call for nomination North Region Director

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Notes from the SDSU Seed Testing Lab

Small grain harvest began early this year due to the hot dry conditions. The lab has been getting in new crop winter and spring wheat, oats, barley, triticale and rye. With the dry conditions, seed size may be smaller this year from some production areas, but overall the size has been relatively normal. You will definitely want to check out seed size and plant accordingly with your winter wheat variety. Seed quality (germination) has been excellent across the board so far. Below are the top 4 winter wheat varieties tested so far with the average seed count per pound (#/lb.), the range in seed counts and the average germination that we have seen for that variety.

| | <u>Average #/lb.</u> | <u>Range in #/lb.</u> | <u>Ave. Germ</u> |
|------------|----------------------|-----------------------|------------------|
| Wesley | 14,929 | 12,352 – 17,904 | >95% |
| Expedition | 12,762 | 11,762 – 15,160 | >95% |
| Overland | 14,426 | 12,539 – 16,297 | >95% |
| Ideal | 15,275 | 12,908 – 16,725 | >95% |

Most all of the wheat and oat varieties on the market have PVP with title V, which means they can only be sold as a class of certified seed. Growers are allowed to save and replant these varieties in their own farming operation, but they cannot be cleaned, marketed and sold as common seed. The state seed law requires that cereal (wheat, barley, oats, rye, and triticale) variety names must be listed on the seed label. VNS (variety not stated) sales on small grains is illegal in South Dakota.

For seed sales, a purity analysis, germination test, and noxious weed seed exam are required. For farmers who save small grain back to replant – a germination test and seedcount (#/lb.) is always recommended. Other tests they may want are the purity analysis, noxious weed seed exam and an electrophoresis/gel test (to verify variety). See our fee brochure (<http://www.sdstate.edu/ps/seed-lab/upload/SDSU-Seed-Lab-Test-Fees.pdf>) for descriptions of various tests offered by the lab.

The seed lab is self-supporting and has raised testing prices approximately \$1 per test to cover increased costs of supplies and labor. Please see our website for an updated fee schedule under the “Quick Links” section at <http://www.sdstate.edu/ps/seed-lab/index.cfm>. We also provide test reports by email upon request, and if a client wants access to reports 24/7, we can set them up with access to web reports – see our “account setup for testing” form under the “Quick Links” section.

When sending in cereals for testing, please indicate if it is new crop or old crop. Old crop has no dormancy and germination testing only takes 7 days. New crop will probably have dormancy (short-lived) and needs to be pre-chilled which adds 5 days to the testing period. If you have any testing questions please call Ron (688-6636) or Brent (688-4590) in the Seed Testing Lab.

Record Sales of Foundation Spring Oats Spring Wheat Sales Similar to 2011

Foundation Oat sales reached a new record high in 2012. Horsepower, SDSU's new release this year, was the top oat variety sold followed by Shelby 427, Colt and Streaker. Spring Wheat sales were similar to 2011 with, SDSU's new releases, Advance and Forefront, the top varieties sold followed by Brick, Faller and Prosper. Overall, Foundation Seed Sales this spring increased by 28% as compared to 2011. Sales were also up 4.6% over the five year average.

| Crop | 2012 Sales | 2011 Sales | 5 Year Average |
|-----------------------|------------|------------|----------------|
| Spring Wheat | 12,871 | 12,885 | 14,968 |
| Oats | 9,155 | 3,822 | 5,491 |
| Conventional Soybeans | 169 | 666 | 665 |
| Other Crops | 111 | 54 | 209 |
| Totals | 22,306 | 17,427 | 21,333 |

PVP and Bulk Sales Certificates

Over the past year I have fielded several questions pertaining to what a grower should mark for PVP on the "Bulk Sales Certificate". The line on the Bulk Sales Certificate is "PVP Type:" and the choices for a variety are PVP, PVP Title V and PVP-94. The following (page 3) table defines what should be marked on the certificate.

Almost all of the public varieties have PVP-94 and Title V; in this case both options should be marked. Many of the private varieties have only PVP-94, (this gives the owner of the variety the option to sell the seed by variety name as non-certified seed, permission from the variety owner is required to do this), in this case only the PVP-94 should be marked.

If a varieties' PVP has expired or does not have PVP then nothing should be marked in this area of the bulk sales certificate.

(Watch the winter newsletter for a listing of spring crop PVP levels.)

17th Annual SDSU Cereal Bowl September 15th vs. UC Davis

2012 Winter Wheat Directories Available on-line at www.SDCIA.info

2012 Winter Wheat Performance data Available on-line at www.igrow.org

North Region Director Election Candidates Wanted

This November SDCIA will hold an election for the North Region. The position is currently held by Floyd Hansmeier. Mr. Hansmeier will be completing his second term as a regional director and is not eligible for a third term as a regional director. The board holds three meetings per year, February, June and November at Ag Horizons. If you are located in the north region (Beadle, Brookings, Brown, Clark, Codington, Day, Deuel, Edmunds, Faulk, Grant, Hamlin, Hand, Hyde, Kingsbury, Lake, Marshall, McCook, McPherson, Miner, Moody, Potter, Roberts, Spink, and Sully counties) and would like more information about all that is involved please call the office 605-688-4606 or a regional director (Floyd Hansmeier 605-492-3611, Jim Chilson 605-785-2472).

Winter Wheat Varieties for 2012

| VARIETY | CROP | PVP** | SALES FEE/BUSHEL | ROYALTY BUSHEL |
|---------------------|------|----------------|------------------|----------------|
| Alliance | HRWW | PVP-94 Title V | \$0.10 | |
| AP502 CL | HRWW | PVP-94 Title V | \$0.05 | |
| AP503 CL2 | HRWW | PVP-94 Title V | \$0.05 | |
| Arapahoe | HRWW | Expired | \$0.10 | |
| Art | HRWW | PVP-94 Title V | \$0.05 | |
| Boomer | HRWW | PVP-94 | \$0.05 | |
| Carlisle | HRWW | PVP-94 Title V | \$0.05 | |
| CDC Buteo | HRWW | PVP-94 | \$0.05 | |
| CDC Falcon | HRWW | PVP-94 | \$0.05 | |
| Crimson | HRWW | PVP-94 Title V | \$0.10 | |
| Darrell | HRWW | PVP-94 Title V | | \$0.30 |
| Expedition | HRWW | PVP-94 Title V | \$0.10 | |
| Harding | HRWW | PVP-94 Title V | \$0.10 | |
| Hawken | HRWW | PVP-94 Title V | \$0.05 | |
| Ideal | HRWW | PVP-94 Title V | | \$0.30 |
| Infinity CL | HRWW | PVP-94 Title V | | \$1.00 |
| Jagalene | HRWW | PVP-94 Title V | \$0.05 | |
| Jerry | HRWW | NONE | \$0.10 | |
| Lyman | HRWW | PVP-94 Title V | | \$0.30 |
| Matlock | HRWW | PVP-94 | \$0.05 | |
| * Millennium | HRWW | PVP-94 Title V | \$0.10 | |
| McGill | HRWW | PVP-94 Title V | | \$0.60 |
| Norris | HRWW | PVP-94 Title V | \$0.05 | |
| *Overland | HRWW | PVP-94 Title V | | \$0.60 |
| Robidoux | HRWW | PVP-94 Title V | | \$0.60 |
| Smoky Hill | HRWW | PVP-94 | \$0.05 | |
| Striker | HRWW | PVP-94 | \$0.05 | |
| SY Wolf | HRWW | PVP-94 Title V | \$0.05 | |
| Tandem | HRWW | PVP-94 Title V | \$0.10 | |
| *Wahoo | HRWW | PVP-94 Title V | \$0.10 | |
| *Wesley | HRWW | NONE | \$0.10 | |
| *Windstar | HRWW | PVP-94 Title V | \$0.10 | |
| Alice | HWWW | PVP-94 Title V | | \$0.30 |
| NuDakota | HWWW | PVP-94 Title V | \$0.05 | |
| Wendy | HWWW | PVP-94 Title V | | \$0.30 |

* There is no saleable registered class on these varieties.

There are no sales fees on Quality Assurance, grasses or forbs.

**PVP indicates which level of PVP should be noted on the Bulk Sales Certificate.

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Responsibilities of Certified Seed Growers Following Field Inspection and Harvest

Field Inspection of Certified small grain in South Dakota is now complete. Harvest of winter wheat and oats will be wrapped up soon, as well as spring wheat and barley. As we finish this portion of certification, now is a good time to review the responsibilities of all growers and handlers of Certified Seed.

The word "Grower" in this article is not necessarily synonymous with the individual or entity that physically grew the seed, but rather the person or entity that made application to the Seed Certification Service for Field Inspection. The "Applicant" refers to the individual or concern whose name appears on the application form. This identification must be retained throughout the certification process.

Each applicant and handler of Certified seed in South Dakota has been supplied with the official "Handbook of Seed Certification Standards" and a "SDCIA Seed Certification Grower Manual". These two documents contain not only all the responsibilities of the "Applicant", but also those of the SDCIA Certification Division. Other documents which also spell out responsibilities are:

SDCIA Membership Form
Statement of Fields Applied For – Form B
South Dakota Seed Certification Grower Agreement
SDCIA Request for Testing and Certificate of Inspection – Form C
SD Bulk Sales Certificate and/or Certificate of Transfer for Seed Pending Certification
Statement of Royalty and/or Production Sales Fee – Form E

At this point in the process it is important to focus on these responsibilities of the Applicant:

- Maintaining the genetic purity and identity of the seed from harvest to the time it leaves the applicants possession.
- Completing report forms and paying the sales fee or royalties on public varieties and production fee on private varieties assessed against all seed sold for planting purposes from inspected and/or approved acreage.

Applicants with Contract Growers are still responsible for the seed and all reporting until it has either been sold as seed or disposed of as grain. Entities that are allowed to sell bulk Certified seed in South Dakota are:

1. Certified Seed Growers (Applicants)
2. Approved Bulk Retail Facilities
3. Approved Certified Seed Cleaners with seed storage and handling equipment.

Retention of seed by a contract grower for planting their own acres constitutes a sale that the Applicant is responsible for. This means that sales fees or royalties do apply. The contract grower is not allowed to make sales for the applicant or his or her self. Only the applicant or other designated sellers of bulk Certified seed can issue South Dakota Bulk Sales Certificates. Trading of seed for services or payment for services is not allowed.

For more information concerning any of the responsibilities of the Seed Grower (Applicant) or the SDCIA Certification Division call 605-688-4606.