

SD WHEAT ANNUAL REPORT

2015 REPORT - COMMEMORATING 55 YEARS OF THE SOUTH DAKOTA WHEAT COMMISSION

History of South Dakota Wheat Commission

INSIDE:

Wheat Commission Investments Report & Yearly Data Comparison

Fifty five years ago a program was established by South Dakota wheat producers to promote their product for sale in foreign lands, and to pursue research work which would aid crop quality and production. The 1961 Legislature responded to the state wheat farmers' request for the self-help market development program by establishing the South Dakota Wheat Commission.

The Commission is producer-funded and producer-run. An assessment on wheat sold in South Dakota provides all operating funds. Use of these funds are determined by a five-commissioner board, appointed by the governor. Commissioners must be actively involved in wheat production and represent the geography and wheat classes of the state. In addition to the five voting commissioners, there are three, non-voting members: the Secretary of the State Department of Agriculture, the Dean of the College of Agriculture and Biological Sciences at South Dakota State University, and a representative of the South Dakota Crop Improvement Association. The Commission is attached to the South Dakota Department of Agriculture, for administrative purposes only.

The sustained success of the Commission is due to the support of the state's wheat producers and the 35 commissioners that have provided dedicated service and leadership. A complete listing of past and current commissioners can be found in the South Dakota Wheat Commission information at sdwheat.org.



1961 - The South Dakota State Legislature passed the South Dakota Wheat Resources Act establishing the South Dakota Wheat Commission. Charter members included:

Back Row (left to right): Charles Tutsch, Executive Director; Commissioner Andrew Brakke of Presho; Commissioner Melvin Borkirchert of Roscoe

Front Row (left to right): Commissioner Bert Mason of Frankfort; Commissioner/Chairman Paul Guiser of Martin; Commissioner Barnest Covey of Hamill



SD Wheat Commission Mission Statement:

To stabilize and improve South Dakota's wheat industry through research, market development and education.

SOUTH DAKOTA STATE WHEAT COMMISSION

At the last session of the State Legislature the South Dakota Wheat Producers, Inc., a non-profit organization of wheat farmers, proposed and secured passage of a South Dakota Wheat Resources Act. This act permits and provides for the deduction of a three mill promotional fee on all wheat produced in South Dakota after July 1, 1961.

The act also established a Wheat Commission, composed of five active wheat farmers from representative areas of the state. The commission is charged with the responsibility of formulating policies and programs relating to the promotion and development of markets and industries for the utilization of South Dakota wheat. —Charles J. Tutsch, director, 321 South Pierre St., Pierre, S. D.

THE DAKOTA FARMER December 9, 1961 • Page 34

1961 - Old Dakota Farmer article showing the passing of the South Dakota Wheat Resources Act.



Above Photo:
 1964 - South Dakota wheat farmer, Loren Mills, provided an up-close harvest viewing opportunity to Isamu Ukeo of Tokyo, Japan. Mr. Ukeo represented the Food Agency of Japan and was observing the production of spring wheat in the United States.

Above Inset Photo:
 (Left to Right): Loren Mills, Clint Dunlap and Isamu Ukeo.



1966 - Support for research at South Dakota State University was an early priority for the South Dakota Wheat Commission. SDSU Dean of Agriculture Duane Acker (left) and South Dakota Wheat Commission Chair Andrew Brakke, of Presho, signed an agreement for the Commission to contribute \$2,800 a year over a four-year period to support intensive research at SDSU to study the factors which affect the quality of South Dakota wheat in commercial trade channels.

S.D. Wheat Commission sets up three points they will follow

South Dakota Wheat Commission ended a two day meet in Pierre Wednesday with the establishment of a three-point program. It will be part of a program that will benefit directly the entire wheat industry of the state, and indirectly, every resident of the state.

The program, point by point, is as follows:

Development-support specific research projects looking toward the development of new and still further improved varieties of wheat which are more disease and insect resistant and which will be more suitable for wider utilization.

Utilization-support research to find and develop new uses for wheat and wheat products; search for new industrial outlets for wheat.

Marketing-advertise South Dakota wheat and flour to increase the demand for South Dakota's high protein, strong gluten wheat among the nation's millers and bakers; conduct a program of consumer education on the advantage of wheat foods in the diet; cooperate with schools and other groups in promoting the use of wheat, and promote greater foreign markets for wheat.

The commission is working to encourage movement of more wheat into increased use of food in this country, new food uses, increased industrial use, new industrial uses, new export markets, increased orders in established markets, regain former markets abroad for wheat which were lost because the wheat did not arrive in the same fine condition as when harvested (too often it has been slugged somewhere along the way with low grade wheat and debris) and to

carry on a program of development, education and publicity.

South Dakota's wheat production in 1961 is estimated to be 32,286,000 bushels or 30 per cent less production than 1960 and five per cent below the 10-year average.

The average income in cash for wheat from 1955 to 1959 is about \$53,328,000.

The commission recently established a headquarters office at 321 S. Pierre, with Charles J. Tutsch as director. Members and officers include Paul Guiser, Martin, chairman; Ernest Covey, Hamill, vice-chairman; Melvin

Borkirchert, Roscoe, secretary; Bert Magon, Frankfort, treasurer, and Andrew Brakke, Presho, public information. Ex-officio members include Ernest Johnson, state secretary of agriculture, Orville G. Bentley, Dean, South Dakota State college, and Raymond P. Johnson, president of the South Dakota Crop Improvement association.

Others attending the meeting included Lloyd Engebretson, assistant to the S.D. secretary of agriculture, and Elmer E. Sanderson, extension agronomist, S.D. Extension Service, S.D. State college.

VOL. 2, NO. 85 PIERRE, SOUTH DAKOTA, FRIDAY, NOVEMBER 24, 1961 FIVE CENTS



SOUTH DAKOTA WHEAT COMMISSION-Left to right, front row, are Ernest Covey, Hamill; Melvin Borkirchert, Roscoe; Ralph Lander, Presho; and Don Jorgensen; back row, left to right are Bert Magon, Frankfort; Charles Tutsch, director, of Pierre; Paul Guiser, Martin; Gil Young, McLaughlin; Andrew Brakke, Presho; and Ralph Letellier, Onida, all members of the commission and officers. They had been discussing a potential for wheat, the Nebraska, a cube concentrate, and a flat wheat water containing 80 per cent wheat developed as a basic food that could be attacked in a fallow state. Incidentally, the food tastes good too. (News photo)

1961 - Early SD Wheat Commission article communicating the plans that the Commission would follow in the coming years.

Crowd Gathers to Celebrate Groundbreaking for New State Fairgrounds Exhibit Hall



Construction equipment adds excitement and activity to the future site of the Nordby Exhibit Hall on the State Fairgrounds in Huron, S.D.

Winter Wheat Insurance Coverage Expansion in South Dakota

USDA RMA
August 11, 2015
BILLINGS, Montana

USDA's Risk Management Agency (RMA) announced that it has extended winter wheat coverage into all counties in South Dakota through the Winter Coverage Endorsement option. Crop insurance provides protection against crop production losses due to natural perils such as drought, hail, and excessive moisture. The winter wheat type for irrigated and non-irrigated

Insurance is now available in all counties.

practices has been extended into Beadle, Brookings, Clark, Codington, Day, Deuel, Grant, Hamlin, Kingsbury, Lake, Marshall, McCook, Miner, Minnehaha, Moody, and Roberts counties. The winter wheat type summer fallow continuous crop and irrigated practices has been extended into Brown, Campbell, Corson, Edmunds, Faulk, McPherson, Spink, and Walworth counties.

Producers in these counties who have previously planted winter wheat and insured winter wheat as spring wheat will need to re-certify their actual production history databases to separate the acreage and production by type. Winter wheat is no longer insured as spring wheat in these counties. Crop insurance is sold and delivered solely through private crop insurance agents. A list of crop insurance agents is available at all USDA Service Centers and online at the RMA Agent Locator. Producers can also use the RMA Cost Estimator to get a premium amount estimate of their insurance needs online.

Performance Radio
June 2, 2015
HURON, South Dakota

A groundbreaking ceremony for the Nordby Exhibit Hall for 4-H, Youth, and Community took place on Wednesday, May 27, 2015 at the State Fairgrounds in Huron, S.D.

Over the past several months, the South Dakota State Fair Foundation has been carrying out a capital campaign for the exhibit hall, which will be a statewide home for South Dakota 4-H; something not currently available for 4-H members. The building will be constructed on the site that once featured Clover Hall.

Huron area philanthropist Earl Nordby provided a total of \$1.5 million

in gifts for the exhibit hall campaign. The South Dakota Wheat Commission was one of several producer and commodity organizations that made contributions to the project.

The exhibit hall's construction has now begun. When built, the 48,000 square-foot Nordby Exhibit Hall for 4-H, Youth, and Community will feature more than 30,000 square feet of exhibit space, multiple classrooms and a large kitchen for 4-H Special Foods competitions. A performance stage will be constructed for the many 4-H activities, community and regional events that will take place in this building year-round. Special artwork on the hallway walls in the education wing will feature the contributing organizations including the South Dakota Wheat Commission.

Commissioners Elect Officers



CHET EDINGER
CHAIRMAN



LEO WARRINGTON
TREASURER



CLINTON VANNEMAN
SECRETARY

Members of the South Dakota Wheat Commission have elected their officers for Fiscal Year 2016 (July 1, 2015 to June 30, 2016). They include: Chairman Chet Edinger, Mitchell; Vice Chairman Terry Hand, Midland; Secretary Clint Vanneman, Ideal; and Treasurer Leo Warrington, Bristol.

Study Shows Farmers Receive \$45-to-\$1 Return from Wheat Export Promotion Funds

U.S. Wheat Associates
November 6, 2015
ARLINGTON, Virginia

U.S. wheat producers invested an average of \$4.9 million in checkoff funds per year to promote their milling wheat overseas between 2010 and 2014, and for every one of those dollars they received up to \$45 back in increased net revenue. That is a principal conclusion of a new economic analysis of wheat export promotion released by U.S. Wheat Associates (USW).

USW commissioned the study with funding from the USDA/Foreign Agricultural Service (FAS) Market Access Program. Dr. Harry M. Kaiser, the Gellert Family Professor of Applied Economics and Management at Cornell and director of the Cornell Commodity Promotion Research Program (CCPRP), designed and conducted the research using established methods from his 30 years of research experience.

“The study showed that investing in U.S. wheat export promotion had a large and beneficial impact for producers and the economy that far exceeded its cost,” Dr. Kaiser said. “The econometric models we used showed that between 2010 and 2014 the total investment in wheat export promotion by farmers and the government increased total annual gross revenue by \$2.0 billion to \$3.0 billion. So for every \$1 farmers and the government invested, the estimated return in gross revenue was between \$112 and \$179.” Dr. Kaiser added that the most likely annual return is about \$149 for each dollar spent based on USDA supply elasticity studies.

Dr. Kaiser quantified the impact of wheat export promotion through models that account for several factors affecting



Wagons of wheat await their turn at the threshing machine at the “Old Fashioned” Threshing Show near Humboldt, S.D.

commodity export demand such as prices and exchange rates. The study determined that cutting promotion by 50 percent between 2010 and 2014 would have significantly reduced wheat exports by about 15 percent. That represents a total potential export loss equal to nearly 161.5 million bushels per year. The value of that loss was determined, then compared to total wheat export promotion cost to calculate a series of benefit-to-cost ratios (BCR).

The BCR from the total promotion cost averaged 14.9 to 1. Because producers contributed about one-third of the total producer and FAS investment through the state check-off program, the BCR for their investment averaged about three times the total, or about 45 to 1. Assuming farmers get ten percent of the total revenue, Dr. Kaiser said the study shows wheat export promotion increased net revenue for farmers by more than \$247 million per year. The impact of in-kind contributions from state commissions was not considered in this study.

“Our organization is accountable to wheat farmers and other taxpayers who fund the market development work we do,” USW President Alan Tracy said.

“Dr. Kaiser’s research methods are well respected, and the conclusions echo previous studies in 2004 and 2009, so we can very confidently say that the money farmers provide for export promotion is well worth the investment. In fact, the study predicts that increasing the promotion investment has the potential for even greater returns to wheat farmers, the wheat supply chain and the U.S. economy.”

USW will use additional results from the study to help plan and manage its future activities. The organization has posted full study results on its website, www.uswheat.org.

U.S. Wheat Associates is the industry’s market development organization working in more than 100 countries on behalf of America’s wheat producers. The activities of USW are made possible by producer checkoff dollars managed by 18 state wheat commissions, in-kind support, and cost-share funding provided by USDA’s Foreign Agricultural Service. To qualify for federal funds, USW is required to prepare and submit an annual, comprehensive Unified Export Strategy that details specific market development plans for every country and region.

Commission Support Scholarships



The South Dakota Wheat Commission continues to provide vital scholarship support to students at area institutions. Two scholarships are awarded annually at the Lake Area Technical Institute (Ag Business, Ag Production). At the Mitchell Technical Institute three scholarships are awarded annually (Culinary Arts, Ag Technology, SD Center for Farm and Ranch Management). Four scholarships are awarded annually for undergraduate students within the Plant Science Department at South Dakota State

University. Beginning in the spring of 2016 the Commission will also partner with the South Dakota Crop Improvement Association and South Dakota Foundation Seed Stocks Division to recognize a graduate student within the Plant Science Department at SDSU, studying cereal science breeding or pathology, as a McFadden Scholar. The Commission also provides annual support for participants of the South Dakota Agricultural & Rural Leadership program.

Christopherson Elected to National Positions



REID CHRISTOPHERSON
EXECUTIVE DIRECTOR

Reid Christopherson, executive director of the South Dakota Wheat Commission has been elected to two national

leadership positions. Christopherson is serving as the secretary/treasurer of the Wheat Foods Council and will be eligible to progress to the Chair in future years. Christopherson has also been elected to the Board of Trustees for the Wheat Quality Council. Both organizations provide vital influence to the wheat industry on the national level.

Governor Reappoints Commissioners



DARRELL DAVIS
COMMISSIONER

Governor Daugaard has reappointed two Commissioners for additional three year terms. Darrell Davis, Ipswich, has been appointed to an additional term expiring on October 30, 2017. Davis was originally appointed in 2005 and



TERRY HAND
COMMISSIONER

has also served as Chairman of the U.S. Wheat Associates. Terry Hand, Midland, has been appointed to an additional term expiring on October 30, 2018. Hand was originally appointed in 2012.

By the Numbers

2

New spring wheat varieties released.

5

Committed Commissioners.

10

\$ million invested in SDSU over the past 20 years.

25

\$ returned on \$1 investment in SDSU spring wheat breeding.

45

\$ returned on \$1 investment in Wheat Export Promotion Funds.

55

Years since formation of the South Dakota Wheat Commission.



2015 Variety Survey



Producers eagerly evaluate the Winter Wheat Test Plots on the Tom Young Farm West of Onida, S.D.

Wheat producers have a wide variety of genetic material to select against as they develop their annual seed planting plan. The wide opportunity to plant private, certified public or retained seed makes it difficult to assess the preference trends of producers. What varieties are the most popular? What characteristics are important to producers?

Historically the South Dakota Wheat Commission contracted with USDA NASS every third year to conduct a formal survey of South Dakota wheat producers and their wheat variety selections. The last of these surveys was conducted in 2011. Recent changes by USDA NASS to the cost model for these surveys, however, have now created economic challenges to utilization. In the review of survey tools utilized by neighboring wheat commissions the process developed by the Minnesota Wheat Research & Promotion Council provided the strongest potential at the most reasonable cost.

A survey postcard was mailed to all producers on the South Dakota Wheat Commission's mailing list in the spring of 2015. The opportunity to complete the survey online was also promoted through a wide variety of social media, conventional radio promotion and print media. We would like to thank all of the South Dakota wheat producers who responded to our

• SOUTH DAKOTA • 2015 WHEAT VARIETY SURVEY •

DIRECTIONS: Please list below the approximate number of acres of each variety planted on your entire operation in 2015. If the variety that you planted is not on the list, please enter the information in the blank spaces provided. Also please answer the questions below. *This information will remain anonymous.*

You can fill out this survey online at sdwheatvariety.com

Winter Wheat Variety	2015 Planted Acres	Spring Wheat Variety	2015 Planted Acres
AP503 DZL		Advance	
Expedition		Barlow	
Ideal		Brick	
Lytan		Briggs	
Millennium		Faler	
Overland		Forefront	
Redfield		US Albany	
Settler CL		Pravali	
Sy Well		Prospere	
WB Granfield		Select	
WB Mallock		Sy Rowin	
Wesley		Sy Soren	
		Traverse	

Please enter Name and Address of other varieties that you planted

Please enter Name and Address of other varieties that you planted

Zip Code: _____ (Used only to identify regional production trends)

Are your 2015 wheat acres increased or decreased from 2014? _____

Is the majority of your 2015 wheat seed Certified or Bin Run? _____

Did you spray a fungicide in 2014? Yes or No

Did you have DDW/atomtain price discounts in 2014? Yes or No

Did you replant/abandon winter wheat acres in 2015? Yes or No

• 2015 •
VARIETY SURVEY

• TIME SENSITIVE INFORMATION •
PLEASE FILL OUT AND RETURN
AS SOON AS POSSIBLE.

SOUTH DAKOTA
Wheat
COMMISSION
Producing Results for Producers

sdwheatvariety.com

SOUTH DAKOTA WHEAT COMMISSION
1418 18th Street, Pierre, SD 57501
(605) 773-2222

SOUTH DAKOTA WHEAT PRODUCERS – Please watch your mail boxes for the spring mailing of the 2016 South Dakota Wheat Variety Survey. Your timely response provides critical direction to the future of the South Dakota wheat industry.

2015 wheat variety survey. We have honored our commitment to maintain the confidentiality of your information.

The results of this survey will help guide our South Dakota State University wheat breeders in developing suitable varieties for production in South Dakota. The results of the survey tell us what varieties are most popular, and what

characteristics are most important to you as growers. This year, we had a survey response rate of 11%. We plan to conduct the survey on an annual basis in the future and hope that the response rate will continue to improve. Next year, when you receive the survey, please take a few minutes to complete and return it.

Variety Survey Results



Maynard Klingbeil welcomed participants to the Sully County Crop Improvement Association test plots on his farm East of Onida, S.D. Klingbeil has been active member in the Association for over 52 years.

Although responses (286) to the 2015 Variety Survey were somewhat limited, they did represent 11% of the total harvested acres. Appreciation is

extended to the South Dakota producers who responded to the survey either by postcard or internet option.

Thank You



CAROLYN THEOBALD
OFFICE MANAGER

Appreciation is extended to Carolyn Theobald, office manager/accountant for the South Dakota Wheat Commission, for her diligence in compiling the producer responses to this survey.

**SD Wheat
Commission Extends
Our Appreciation**



The South Dakota Wheat Commission extends its appreciation to the Minnesota Wheat Research & Promotion Council for their willingness to share the materials and experiences of their self-developed annual wheat variety survey.

WINTER WHEAT

- 115,847 acres reported
- 970,000 acres harvested
- 12% response

SPRING WHEAT

- 128,236 acres reported
- 1,260,000 acres harvested
- 10% response

ALL WHEAT

- 244,083 acres reported
- 2,236,000 acres harvested
- 11% response

THE TOP REPORTED WINTER WHEAT VARIETIES PLANTED:

- Sy Wolf (Syngenta) = 19%
- Overland (NE) = 19%
- Ideal (SD) = 12%
- Lyman (SD) = 9%
- Expedition (SD) = 9%

THE TOP REPORTED SPRING WHEAT VARIETIES PLANTED:

- Advance (SD) = 16%
- Select (SD) = 15%
- Forefront (SD) = 14%
- Brick (SD) = 11%
- Prevail (SD) = 8%
- Briggs (SD) = 8%

South Dakota wheat producers have access to many strong winter and spring wheat varieties that have been developed by area Land Grant Universities and private seed companies. The varieties that are included here are limited to the most recent releases from South Dakota State University that were developed through research funding provided by the South Dakota Wheat Commission. Prior to selection, producers are encouraged to review all recent field trial results that are available at:

- <http://igrow.org/agronomy/wheat/winter-wheat-variety-trial-results/>
- <http://igrow.org/agronomy/wheat/spring-wheat-variety-trial-results/>

Winter Wheat Varieties



Dr. Sunish Sehgal provides a preview of future Winter Wheat varieties to members of the South Dakota Wheat Commission and South Dakota Wheat, Inc.



Photo courtesy:
SDSU Extension

IDEAL – Ideal hard red winter wheat was developed by the South Dakota Agricultural Experiment Station (SD AES) and released in 2011. The line was tested as SD05118-1 and has the pedigree of Wesley/NE93613. Ideal is whitened chaffed, awned and semi-dwarf wheat about 2 to 3 inches taller than Wesley. Ideal is a mid-maturity type, with maturity being about 2 days later than Wesley. Winter hardiness and resistance to lodging are also similar to Wesley. Ideal is moderately resistant to stem rust and tan spot. The variety is moderately susceptible to leaf rust and Fusarium head blight. Ideal is susceptible to stripe rust, barley yellow dwarf virus and wheat streak mosaic virus.

LYMAN – Lyman hard red winter wheat was developed by SD AES and released in 2008. The line was tested as SD00111-9 and resulted from a cross of KS93U134/Arapahoe. Lyman is white

chaffed, awned, semi-dwarf wheat. The variety is similar to Arapahoe in maturity (medium), height (medium) and winter hardiness, but has slightly less straw strength. Lyman is resistant to stem rust and has the best scab resistance of any variety tested in the North Central Region. It is moderately resistant to leaf and stem rust. Lyman is susceptible to wheat streak mosaic virus.

REDFIELD – Redfield hard red winter wheat was developed by the SD AES and released in 2013. The line was tested as SD06158 and has the pedigree of Wesley/CDC Falcon. Redfield is red chaffed, awned, semi-dwarf wheat about 1 inch taller than Wesley. Redfield is a mid-maturity type, with maturity about 3 days later than Wesley. Winter hardiness and resistance to lodging are also similar to Wesley. Redfield is moderately susceptible to leaf rust and stem rust. The variety is moderately susceptible to moderately resistant to stripe rust. Redfield has higher test weight and better resistance to Fusarium head blight than Wesley. Redfield is susceptible to wheat streak mosaic virus.



News Flash

The South Dakota Agricultural Experiment Station has announced the initial release of two new hard red spring wheat varieties. BOOST (tested as SD4299) and SURPASS (tested as SD4383) will be



*SDSU Campanile Photo
Courtesy: Wikimedia Commons.*

SDCIA

South Dakota Crop Improvement Association, formed in 1925, is an effective voice of action in all



aspects of producing and marketing agricultural crops, including the promotion of agricultural research and education of members. The delivery of research through the release of public crop varieties has been, and remains, a major focus.

www.sdstate.edu/ps/sdcia/

Spring Wheat Varieties

ADVANCE – Advance hard red spring wheat was developed by SD AES and released in 2011. The variety was tested as SD4023 and was developed from the population Granger/N98-0230. Advance is a semi-dwarf variety, approximately 1 inch shorter in height than Knudson. Advance is a later maturing variety, approximately a half day later than Steele-ND. The variety is moderately resistant to stem rust, stripe rust and scab. Advance is moderately susceptible to leaf rust. Advance has good test weight and average protein.

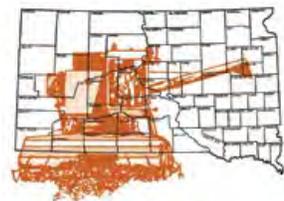
FOCUS – Focus hard red spring wheat was developed by SD AES and released in 2015. The variety was tested as SD4362 and was derived from the cross SD3943-21/Brick. Focus is a semi-dwarf variety, slightly taller than Brick with similar straw strength. Focus is an early maturing variety, one day later than Brick, and similar to Select. Focus is moderately susceptible to stripe rust. The variety is moderately resistant to leaf rust. Focus is moderately resistant to Fusarium head blight. Focus has exceptional test weight and average protein.

FOREFRONT – Forefront hard red spring wheat was developed by SD AES and released in 2011. The variety was tested as SD3997 and was developed from the population FN1700-155/FN1500-074/Walworth. Forefront is a tall semi-dwarf variety, similar in height to both Granger and Traverse. Forefront is an early maturing variety, approximately 2 days later than Brick. The variety is moderately resistant to

stem rust, stripe rust and Fusarium head blight. Forefront is moderately susceptible to leaf rust. Forefront has good test weight and protein.

PREVAIL – Prevail hard red spring wheat was developed by SD AES and released in 2013. The variety was tested as SD4178 and was developed from the population SD3720/MN98389-A. Prevail is a semi-dwarf variety, similar in height to Advance. Prevail is an early maturing variety, similar to Advance, and 2 days earlier than Forefront. The variety is moderately resistant to stem rust and stripe rust. Prevail is moderately resistant to leaf rust and Fusarium head blight. Prevail has good test weight and average protein.

SDSU FOUNDATION SEED STOCKS DIVISION



SDSU Foundation Seed Stocks Division (SD FSSD) was organized in 1944 and incorporated in 1945 as a nonprofit corporation. The purpose of SD FSSD is to increase and distribute agronomically superior varieties of seed and propagating materials released by the South Dakota Agricultural Experiment Station, ARS/USDA and other agricultural experiment stations for the benefit of South Dakota agriculture and the citizens of this state. Learn more: www.sdstate.edu/ps/sdfssd/index.cfm

released in 2016 to registered seed growers for seed increase. Watch for these new varieties to be available to you as Certified Seed in 2017.

■ FINANCIAL SUMMARY ■

South Dakota Wheat Commission Investments

	FY14* Actual	%	FY15* Actual	%	FY16* Budget	%
RESEARCH	334,686	31	856,821**	45	774,271	41
MARKET DEVELOPMENT	270,000	25	427,100	23	456,000	24
EDUCATION/PROMOTION	80,889	7	154,229	8	127,323	7
POLICY/GOVERNMENT AFFAIRS	123,306	11	176,392	9	197,292	10
GENERAL OPERATIONS	36,884	3	50,079	3	49,600	3
TRAVEL	30,049	3	50,410	3	67,100	4
PERSONNEL SERVICES	179,851	17	129,615	7	182,000***	9
EMPLOYEE BENEFITS	36,988	3	34,504	2	46,170	2
TOTAL	1,092,653	100	1,879,150	100	1,899,756	100

* Fiscal Year is July 1 to June 30 (i.e. FY15 = July 1, 2014 to June 30, 2015).

** Includes an initial payment of \$240,000 towards future SDSU Greenhouse Project.

*** The significant increase in personnel budget includes a vacant FTE that will not be hired in current fiscal year.

Investing in Our University



Dr. Karl Glover

The historical newspaper stories that have been included in this annual report highlight a very significant funding priority for the South Dakota Wheat Commission – OUR

Land Grant University – SDSU! From its formation in 1961 the South Dakota Wheat Commission has provided vital funding to South Dakota State University for research, scholarships, equipment and facilities. Unfortunately there is no accessible record of every contribution over the past 55 years. More recent computer records; however, reveal that nearly \$10 million in wheat check-off investments have been contributed over the past 20 years. The major focus of this support continues to target our public wheat breeding program.

Dr. Karl Glover, spring wheat breeder, and Dr. Lisa Elliott, extension specialist in commodity marketing, recently studied the economic impact of advancements in spring wheat



Faculty and students of the SDSU Food Science Program are frequent partners in South Dakota Wheat Commission community programs.

genetics upon the state's wheat industry. Results of a ten year review (2002-2012) showed that the spring wheat breeding program at South Dakota State University makes an additional sum of approximately \$16.5 million available each year to South Dakota producers through genetic advancements. When this economic opportunity is balanced against check off investments, over

\$25 is returned for each \$1 invested by growers. So, although an investment is initially directed to South Dakota State University the check off dollars are quickly returned as additional income to South Dakota's wheat industry.

An investment in OUR University is a significant investment in OUR industry and operations!



Participants in the Winter Wheat Plot Tour on the Cliff Halverson Farm South of Kennebec, S.D. are also provided with an unexpected aerial spraying demonstration on an adjacent farm.

2015 South Dakota Wheat Production - Compared to 2014

	Acres Planted		Acres Harvested		Bushels Harvested		Bushels/Acre	
	Total	Change %	Total	Change %	Total	Change %	Average	Change Bushels
Winter Wheat	1,420,000	17	970,000	-10	42,700,000	-28	44	-11
Spring Wheat	1,330,000	2	1,260,000	-2	60,500,000	-16	48	-8
Durum Wheat	6,000	50	6,000	50	246,000	37	41	4
Total Wheat	2,756,000	10	2,236,000	-5	103,446,000	-22	46.3	-9.2

Source: USDA NASS September 30, 2015.

WINTER WHEAT
 seeded area for harvest in
2016
 is estimated at
1.07 MILLION ACRES,
 down from last year's seeded area of
1.42 MILLION ACRES.

-25%

ALL WHEAT
 stored in all positions on
DEC. 1, 2015
 totaled
85.0 MILLION BUSHELs,
 up ten percent from a year ago.

+10%

Farm and Industry Visits Help Protect Demand for U.S. Wheat in Nigeria

U.S. Wheat Associates
June 16, 2015
ARLINGTON, Virginia

Eight senior managers from Nigeria's milling and noodle/pasta manufacturing industries visited South Dakota and Kansas during June 21 to 27, 2015, to examine the current hard red winter (HRW) crop as part of a U.S. Wheat Associates (USW) trade team. USW believes this annual event helps maintain a loyal customer base in a traditionally large market.

Nigeria was the third largest buyer of U.S. wheat for the 2014/15 marketing year that ended on May 31, 2015, importing 76.9 million bushels (2.04 million metric tons). Year-to-year, Nigeria buys more U.S. HRW than any other country. Nigerian millers imported 58.4 million bushels (1.6 million metric tons) of HRW in 2014/15. They also purchased about 12.9 million bushels of soft red winter (SRW) as well as some soft white (SW) and northern durum.

"USW and our state wheat commission member organizations built long-term demand for U.S. wheat in Nigeria by providing information and technical support," said Muyiwa Talabi, marketing consultant with USW based in Lagos, Nigeria. "This will be our fifteenth annual trade team from Nigeria since 2001 and it is still a key part of our work in an important market where we face new challenges."

"In an increasingly competitive market, those customers still benefit from, and appreciate, the support USW provides including the chance to see the new U.S. wheat crop and learn about its supply chain from the people who manage it," said Gerald Theus, assistant regional manager for Sub-Saharan Africa with USW who is based in Cape Town, South Africa. Theus and Talabi led this



Members of the Nigerian Trade Team evaluated classes of Hard Red and Hard White Wheat at the Stan Porch Farm near Wanblee, S.D.



Shaun McKay (second from left) graciously hosted the Nigerian Trade Team at the McKay Ranch North of Wall, S.D.

trade team visit.

USW collaborated with the South Dakota Wheat Commission, the Kansas Wheat Commission and USDA's Foreign Agricultural Service to organize this trade team. In South Dakota, the team met with grain merchandisers and visited several farms.

USW is the industry's market development organization working in

more than 100 countries. Its mission is to "develop, maintain, and expand international markets to enhance the profitability of U.S. wheat producers and their customers." USW activities are made possible through producer checkoff dollars managed by 18 state wheat commissions and cost-share funding provided by FAS.

National Festival of Breads

SAVE THE DATE: JUNE 17, 2017!

Last event was held on June 13, 2015, in Manhattan, Kansas



The National Festival of Breads is a bread baking contest which encourages those who like to bake to develop their skills.

Kansas Wheat, King Arthur Flour and Red Star Yeast, with assistance from the Home Baking Association and other contributors, would like to recognize wheat farmers, millers, and ingredient companies and honor amateur home

bakers during wheat harvest in June 2017 by hosting the National Festival of Breads baking contest in Manhattan, Kansas.

The Contest emphasizes the role that bread plays in a healthy and active lifestyle. The kernel of wheat is a storehouse of nutrients essential to the human diet, and a complex carbohydrate that provides a source of time-released

energy. In addition, bread provides dietary fiber, protein, fat, iron, zinc and B vitamins in our diets. The B vitamin folic acid has been shown to prevent birth defects and may help reduce the risk of heart disease, strokes, Alzheimer's disease and some cancers. In addition to the nutritional benefits, baking bread from scratch is an achievable and rewarding experience for the baker.

<http://nationalfestivalofbreads.com/national-festival-of-breads>

Smokehouse Cranberry Cheese Bread



Smokehouse Cranberry Cheese Bread

RECIPE SUMMARY



Lisa Keys,
National Festival
of Breads 2015
Grand Champion

"Memories of visits with my in-laws in Quechee, Vermont inspired this bread. My mother-in-law always had smoked cheeses from the local farmers and fresh maple syrup tapped from trees in town. She was also into healthy foods and introduced

me to tofu in delicious breakfast smoothies. This bread honors all of her goodness."

YIELD: 2 LOAVES, 22 SERVINGS EACH.

INGREDIENTS

- 2 (¼ ounce) packages **RED STAR® Quick-Rise™ Yeast**

- 3 tablespoons (1 ounce) warm water (110°-115°F)
- 2 tablespoons (1 ounce) maple syrup
- 1 cup (8 ounces) unsalted butter, softened
- ½ cup (4 ounces) silken tofu
- 4 large eggs
- 2 cups (6 ounces) shredded smoked Gouda or smoked Cheddar cheese
- 1 teaspoon salt
- ½ teaspoon ground black pepper
- 4 ½ to 5 cups (19 to 22 ounces) **King Arthur Unbleached Bread Flour**, divided
- 1 cup (5 ounces) sweetened dried cranberries

DIRECTIONS

1. In small bowl, whisk together yeast, water, and maple syrup. Wait 5 to 10 minutes for mixture to foam (proof).
2. In the bowl of a stand mixer fitted with paddle, blend together butter and tofu until mixture is light and fluffy, about 2 minutes. Scrape sides of bowl as needed.
3. Beat in eggs one at a time. Stir in cheese, salt, pepper, yeast mixture, and 4 cups of flour; blend well. Exchange paddle for dough hook.
4. Mix in cranberries and gradually add enough remaining flour until a

Many Thanks!

The South Dakota Wheat Commission extends its appreciation to the Kansas Wheat Commission for their willingness to share content from the National Festival of Breads.

- soft dough forms. Knead dough until smooth and elastic, about 8 minutes on low to medium speed. Place dough in greased bowl, cover, and let rise until doubled, about 1 hour.
5. Deflate dough and divide in half. Shape into 6" to 7" round loaves, and place into two buttered 9" round cake pans. Cover; let dough rise until doubled, 40 to 45 minutes. Near the end of the rise, preheat oven to 400°F. Uncover and with a sharp knife or lame, make a ¼" deep "X" slash across the top of each loaf.
6. Bake 25 - 27 minutes until golden brown, tenting with aluminum foil to prevent excess browning. An instant-read thermometer inserted into the middle of the loaf should register about 200°F. Remove from oven, and after a few minutes turn loaves out onto a rack to cool.

NUTRITION INFORMATION PER SERVING

(1 slice, 35g): 120 calories, 6g fat, 0g fiber, 3.5g saturated fat, 0g trans fat, 13g carbohydrates, 32mg cholesterol, 95mg sodium, 4g protein, 0mg vitamin C, 1mg iron, 36mg calcium.

■ SUPPORTED ORGANIZATIONS ■

Your check-off investment is multiplied through collaboration with industry partners.



South Dakota Wheat Commission is funded entirely by South Dakota wheat farmers through a 0.4% value/bushel initial sale of wheat. This self-help program improves the wheat industry in SD through wheat research, foreign and domestic market development, and utilization. The Wheat Commission Board of Directors is comprised of five wheat producers representing wheat growing regions and classes of wheat.

www.sdwheat.org



South Dakota Wheat Incorporated is a voluntary membership organization, designed to represent the wheat producers on government policy issues. The elected Board of Directors are wheat producers from across the state who determine the priority policy issues. These issues include farm bill legislation, crop insurance, research and environmental policy, transportation and energy policy, international trade legislation and general farm issues affecting SD wheat farmers with particular emphasis on establishing equitable partnerships with private industry.

www.sdwheat.org/sdwheatinc.aspx



Northern Crops Institute, located on the campus of North Dakota State University in Fargo, ND, is a modern facility for training industry personnel from both domestic companies and foreign companies/countries on how to utilize and purchase wheat and other crops grown in the Northern Great Plains. It is funded by wheat producers in North Dakota, South Dakota, Minnesota and Montana, the South Dakota Legislature and other state legislatures.

www.northern-crops.com



Wheat Foods Council is the national organization that works to increase the domestic consumption of wheat foods. The Council provides nutritional information about wheat to health professionals, food service personnel, food editors, educators, and the general public. The SD Wheat Commission is a charter member of the Wheat Foods Council.

www.wheatfoods.org



U.S. Wheat Associates, headquartered in Washington, D.C. with 15 overseas offices, is the international marketing representative of U.S. wheat growers in over 100 countries. It is funded by wheat producers through their respective state wheat commissions in Arizona, California, Colorado, Idaho, Kansas, Maryland, Minnesota, Montana, Nebraska, North Dakota, Ohio, Oklahoma, Oregon, South Dakota, Texas, Virginia, Washington and Wyoming. Your check-off dollars are matched four to one by the U.S. Department of Agriculture's Foreign Agriculture Service.

www.uswheat.org



The Home Baking Association mission of "growing the practice of home baking" could not be more timely due to economic conditions and other societal changes. The fact is more meals are being prepared at home, and this organization is at the forefront in sharing our tools and knowledge to not only current bakers, but future generations as well. The HBA is a valuable resource for educators, parents, community service volunteers, scratch-bakers and anyone else interested in baking.

www.homebaking.org



The goal of the Wheat Quality Council is to improve the value of all U.S. wheat classes for producers, millers, and processors of wheat. Advocates the development of cultivars which enhance end use quality of wheats for all U.S. wheat classes. Provides forums for breeders, producers, and industry members to discuss desired characteristics and evaluation of wheat. Communicates industry needs and the importance of meeting end-user needs to breeders, producers, traders of wheat, and all U.S. wheat organizations.

www.wheatqualitycouncil.org



South Dakota State University supports SD wheat farmers by addressing state wheat production issues. Increased yield and disease resistant varieties for both spring and winter wheat are the main goals in wheat research.

www.sdstate.edu/ps

Culinary Academy Benefits from Check-Off



Photo credit: Student preparing food at the Culinary Academy of South Dakota at Mitchell Technical Institute.



The South Dakota Wheat Commission recognizes the critical need to provide accurate information and promotional resources to our local, national and global consumers. Continued membership in the Northern Crops Institute, Wheat Quality Council, Wheat Foods Council and the Home

Baking Association provide valuable information to our national and global audience. At the local level the Commission has developed a new supporting partnership with the South Dakota Culinary Academy within the Mitchell Technical Institute. Recent contributions have allowed the Academy to upgrade their convection ovens and commercial mixers to enhance their baking curriculum “to provide students with the skills for success in their technical careers.”

GET AHEAD OF SCAB! WITH THE FHB RISK ASSESSMENT TOOL [HTTP://WWW.WHEATSCAB.PSU.EDU/RISKTOOL.HTML](http://www.wheatscab.psu.edu/risktool.html)

- Daily in-season risk maps for your locale
- Fusarium Head Blight (FHB) prediction bases on geography and grain type, plus recent weather patterns
- Supplemented by commentaries from state university crop specialists



- Receive alerts via cell phone or email, per your preference
- Frequency and timing of alerts dependent upon your area's risk for scab problems
- Available to growers, crop advisors and grain industry personnel at no cost



U.S. Wheat & Barley
Scab Initiative

A service of the U.S. Wheat & Barley Scab Initiative
Developed & Supported with Funding from the U.S. Wheat & Barley Initiative

www.scabusa.org

Annual 2015 Report

www.sdwheat.org

Research

Research and its funding are an integral part of success in agriculture. Growing wheat efficiently and economically is as important to the profitability equation for wheat farmers as is marketing. Wheat check-off dollars provide for continuing and new research in the areas of: Wheat Variety Development; Wheat Production and Management; Disease, Weed and Pest Control; New Technology; Crop Quality Evaluation; and Market Research.

Market Development

South Dakota annually exports approximately 20-30 percent of its wheat internationally. Funding is used to support International Marketing through the U.S. Wheat Association and the Northern Crops Institute in Fargo, ND. Domestic Marketing includes support to Wheat Foods Council, Wheat Quality Council and Plains Grains, Inc.



**Your check-off
investment supports:**

Policy & Government Affairs

The competitive position of wheat and wheat production can be directly altered by changes in political climate, and national policy. Funding supports advocacy by National Association of Wheat Growers, South Dakota Wheat, Inc., and Whiteside and Associates.

Education, Information and Communication

Reaching producers, students, and the general public is essential. The SDWC maintains a website at www.sdwheat.org along with a Facebook page. Check-off dollars provide a communication link between the farm and non-farm sectors through education and the media. Scholarships, awards and premiums provided through the SDWC include: SDSU/MTI/LATI Scholarships, SD Ag-in-the-Class-room, FFA, FFA Foundation and 4-H Agriculture Education programs.