

## ARKANSAS WHEAT PROMOTION BOARD MEETING

### Minutes

July 10, 2024

9:00 a.m.

Member(s) Present: Adam Cloninger, Jack Evans, Dusty Hoskyn, Chris Schaefers, Terrance Scott, Tim Smith

Member(s) absent: Kenneth Clark, Herrick Norcross

Chair Tim Smith called the meeting to order and welcomed all members and guests.

**Minutes of the February 20, 2024 Arkansas Wheat Promotion Board meeting were presented for review and approval.**

**Moved by Evans, seconded by Hoskyn to approve the minutes as presented.**

**Motion carried.**

Inoussa Zaki, Chief Fiscal Officer presented the financial report for the period ending June 1, 2024, shown as **Attachment 1**. The Wheat Board began the year with \$170,581 cash on hand. Between July 1, 2023 and June 21, 2024, \$114,931 was reported in assessments and Treasury charges totaled \$3,500. The Board netted \$111,000 through the end of this reporting period. Expenditures totaled \$51,088.48 with research spending at \$50,738 and Board expenses at \$350.48. With no new obligations to report, the Board currently has \$230,861 plus royalties in the amount of \$4,105.48. This would be a total of \$234,565.15 available for future projects.

Zaki stated there are four proposals for the FY2024-25 funding period totaling \$80,851.00. The University of Arkansas will be reporting on the carryover balance, estimated around \$6,000.

Dr. Nathan Slaton, University of Arkansas Division of Agriculture, stated contributions were received during July and December making the carryover balance \$6,923.07.

**Moved by Hoskyn, seconded by Evans to approve the financial report as presented.**

**Motion carried.**

Zaki said a question had arisen about whether the royalties need to be held in a state account rather than in a University of Arkansas Division of Agriculture account. Dr. Slaton stated the MOU with the Board regarding royalties would need to be reviewed and updated if the account holder was changed. Zaki will discuss the issue with the Arkansas Department of Finance and report back to the board.

Dr. Jason Kelley presented a corn and wheat update, shown as **Attachment 2**.

Chair Smith asked for presentations on the submitted Wheat Promotion Board Proposals for 2024-2025. **Attachment 3**

Dr. Shakiba gave a presentation on wheat breeding activities in 2023-24, shown as **Attachment 4**. He then presented his funding proposal request for \$42,151, noting the hiring of an Agri Lab Tech and additional travel expenses are the basis for the increased funding request. The proposal is shown on page 10 in **Attachment 3**.

Dr. Bob Scott presented his funding proposal request for \$7,500, shown on page 6 of **Attachment 3**.

Dr. Jason Kelley presented his funding proposal request for \$14,500, shown on page 1 of **Attachment 3**.

Dr. Terry Spurlock presented his funding proposal request for \$16,700, shown on page 15 of **Attachment 3**. Dr. Spurlock also presented a slide presentation on Pest Management using Recommended Wheat Varieties 2024-2025, shown as **Attachment 5**.

Dr. Slaton asked the presenters to excuse themselves from the meeting to allow the Board to deliberate on the proposals.

Dr. Slaton stated if there are funds left over from any project at the end of the project spending deadline, July 31, 2024, they would be applied towards the request proposed today.

**Moved by Hoskyn, seconded by Schaefers to approve all four proposals presented today.**

**Motion carried.**

Chandler Goule, Chief Executive Officer with the National Association of Wheat Growers (NAWG) gave a presentation to the Board, shown as **Attachment 6**. Goule is inviting the Arkansas Wheat Promotion Board to become members of NAWG.

The decision on this matter was tabled.

**Moved by Cloninger, seconded by Schaefer to table to date for the next Wheat Promotion Board meeting.**

**Moved by Evans, seconded by Hoskyn to adjourn.**



Tim Smith, Chairman

# Attachment 1

## ARKANSAS WHEAT PROMOTION BOARD FINANCIAL REPORT FOR THE PERIOD JULY 1, 2023 - JUNE 21, 2024

	June 2023	June 2024	Forecast 2024
Beginning Fund Balance	\$110,022.91	\$170,581.12	\$ 170,581.12
<b>Revenue</b>			
Gross Collections	\$97,265.87	\$114,931.41	\$ 114,931.41
Refunds			\$ 4,105.48
Rev. & Treas. Dept. 3.1%	\$3,015.25	\$3,562.86	\$ 3,562.86
Transfers to WPB (Net)	\$94,250.62	\$111,368.55	\$ 111,368.55
<b>Total Revenue</b>	<b>\$204,273.53</b>	<b>\$281,949.67</b>	<b>\$ 286,055.15</b>
<b>Expenses</b>			
University of Arkansas Foundation Seed Plant	\$33,692.41	\$50,738.00	\$ 50,738.00
<b>Total Research</b>	<b>\$33,692.41</b>	<b>\$50,738.00</b>	<b>\$ 50,738.00</b>
Wheat Foods Council Wheat Quality Council Arkansas Foundation Ag U.S. Wheat Associates			
<b>Total Promotion</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$ -</b>
<b>Board Expenses</b>			
Board Travel Lodging			
Board Travel Mileage		\$350.48	\$ 752.00
Board Meeting Food Purchase			
Website			
Postage			
<b>Total Board Expenses</b>	<b>\$0.00</b>	<b>\$350.48</b>	<b>\$ 752.00</b>
<b>Total Expenditures</b>	<b>\$33,692.41</b>	<b>\$51,088.48</b>	<b>\$ 51,490.00</b>
<b>Ending Fund Balance</b>	<b>\$170,581.12</b>	<b>\$230,861.19</b>	<b>\$ 234,565.15</b>

**ARKANSAS WHEAT PROMOTION BOARD  
PROPOSALS  
2024-2025**

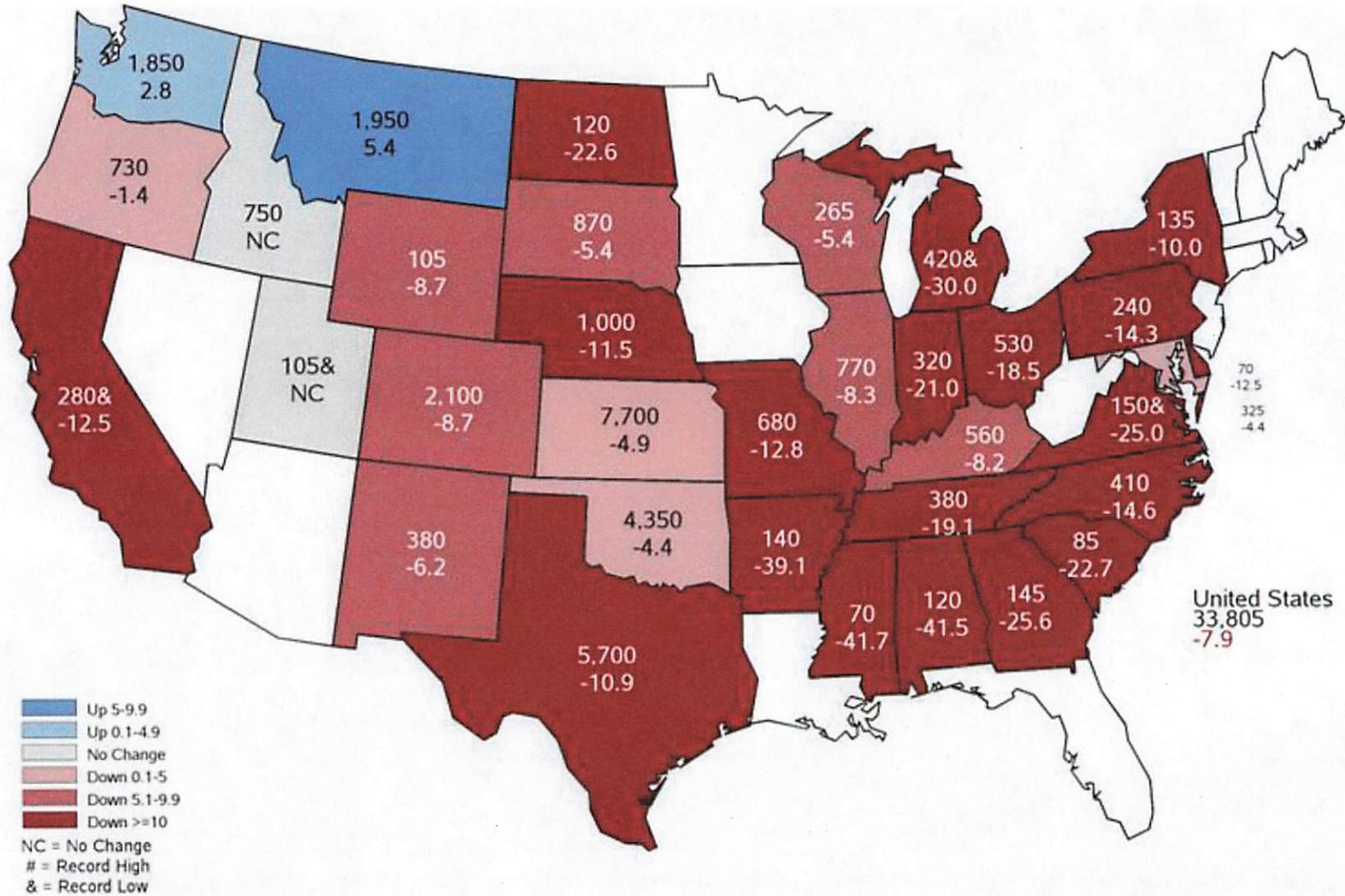
<b><u>Proposals</u></b>	<b><u>2024-2025 Proposals</u></b>	<b><u>2024-2025 Board Approved Amount</u></b>
1 Wheat Research Verification Program	\$14,500.00	
Control of herbicide-resistant ryegrass and other weeds in wheat		
2 and evaluation of new wheat technologies and strategies for weed control	\$7,500.00	
3 Developing Soft Red Winter Wheat Cultivars for Arkansas	\$42,151.00	
4 Pest Management Using Recommended Wheat Varieties	\$16,700.00	
	<b>Grand Total:</b>	<b><u>\$80,851.00</u></b>



**Corn and Wheat Update, Dr. Jason Kelley**  
**University of Arkansas System Division of Agriculture**

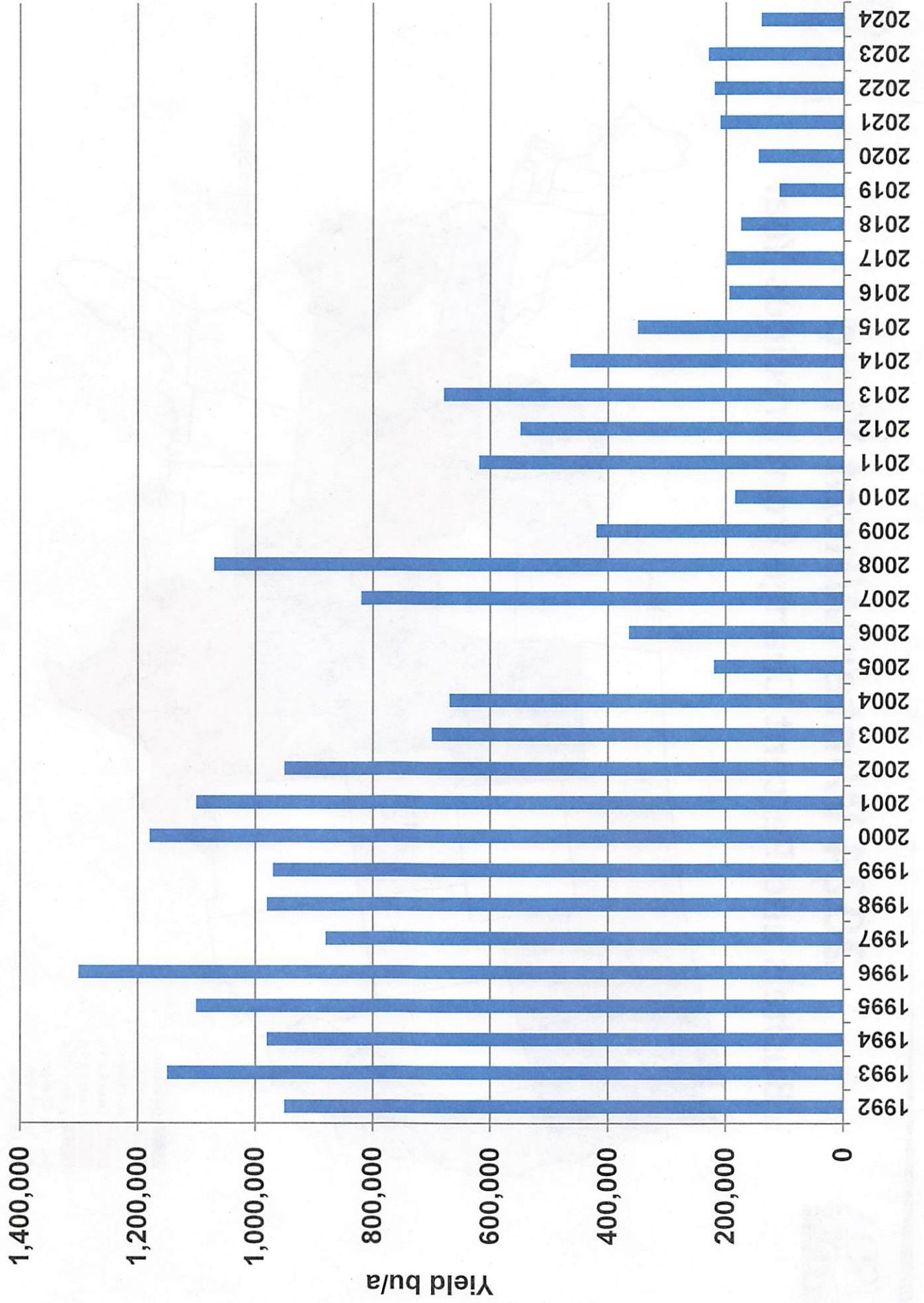
# 2024 Winter Wheat Planted Area

(000) Acres and Percent Change from Previous Year



# Arkansas Planted Wheat Acreage 1992-2024

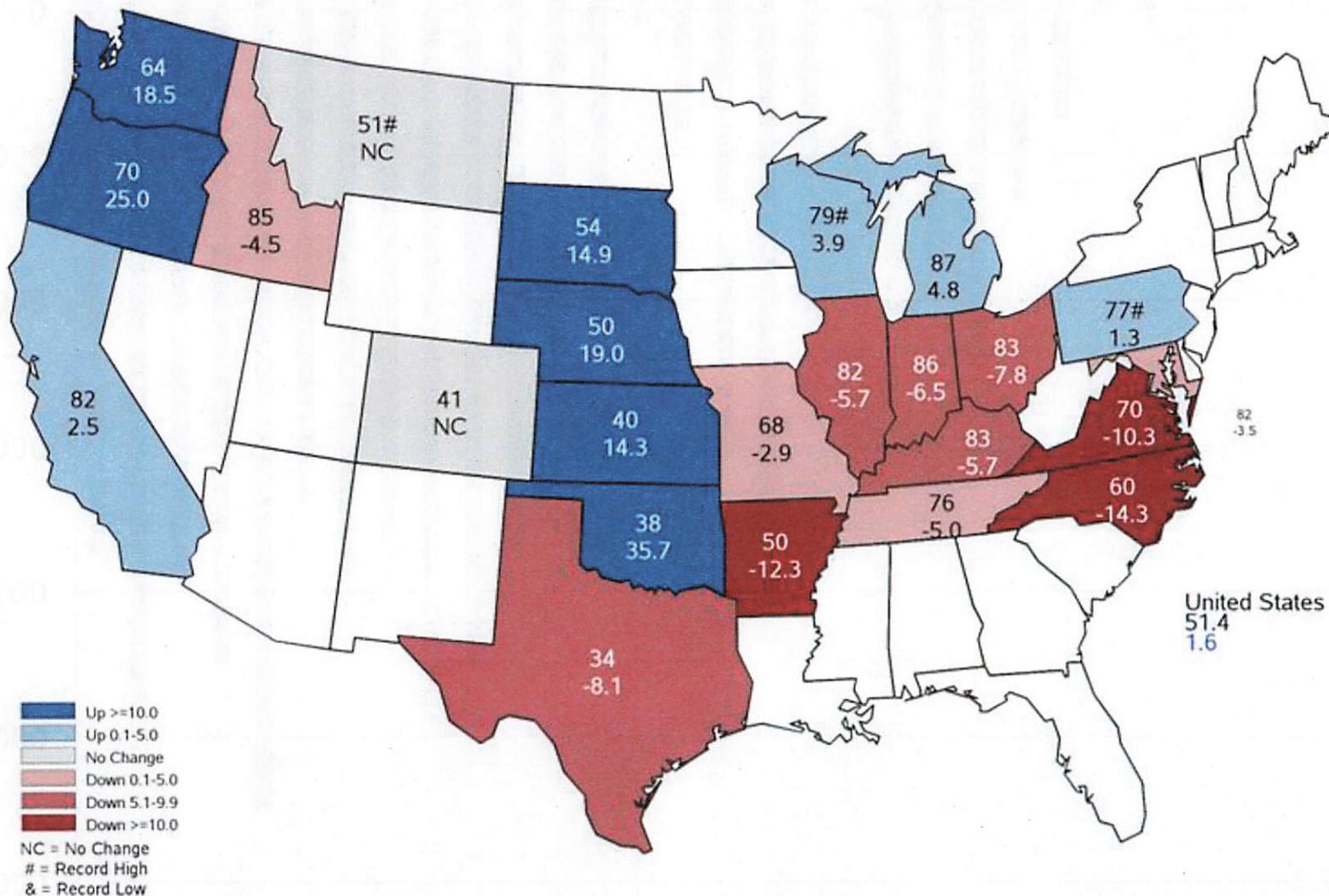
■ Planted Acres





# 2024 Winter Wheat Yield

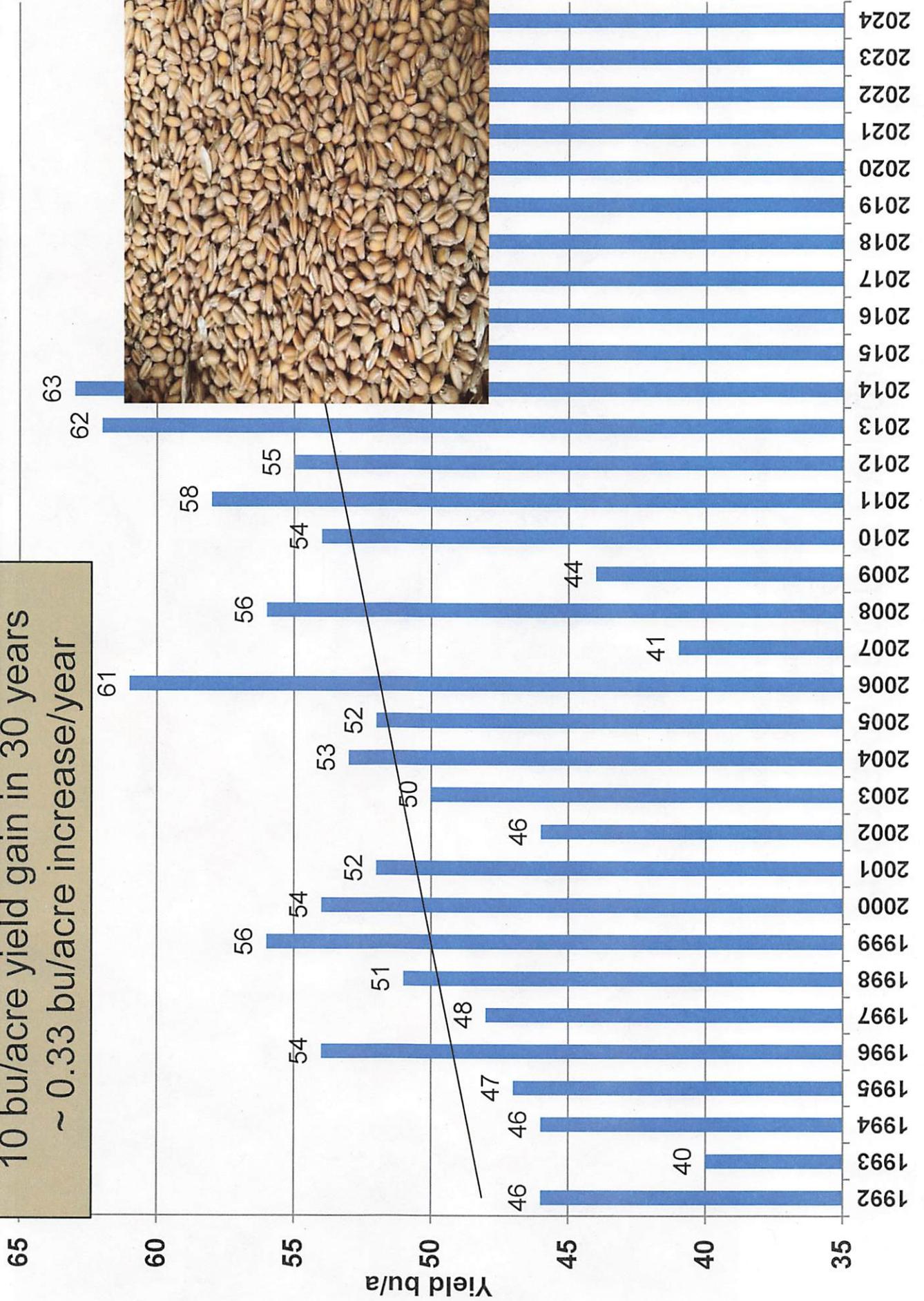
## Bushels and Percent Change from Previous Year



# Arkansas Average Wheat Yield 1992-2024

Yield bu/a

10 bu/acre yield gain in 30 years  
 ~ 0.33 bu/acre increase/year

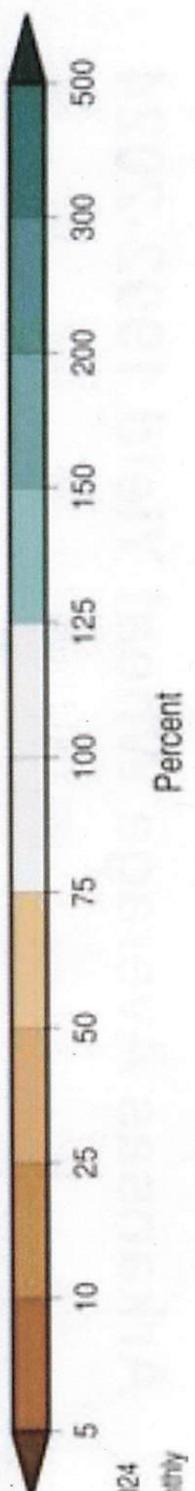
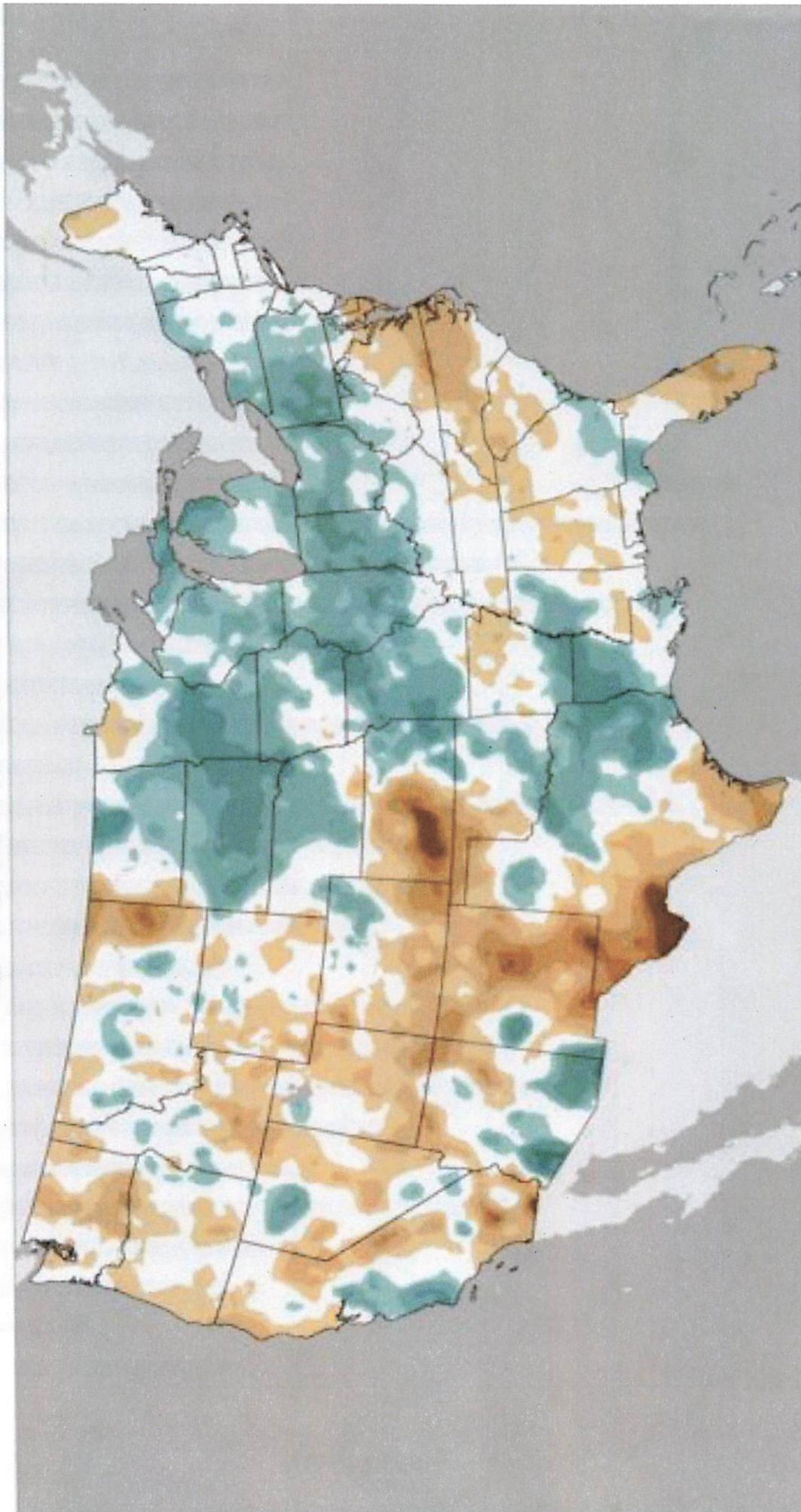


# Precipitation Percent of Average

April 2024

Average Period: 1901-2000

NOAA's National Centers for Environmental Information



Created: Mon May 06 2024

Source: nClimGrid-Monthly

# Challenges for Wheat in Coming Years

- Production Practices – Increase Yields
  - Got to overcome low yield mentality (55 bu/a)
  - Field selection, drainage, soil pH
  - Herbicide resistant ryegrass
  - Management style
- Quality
  - Low test weight, fusarium head blight = discounts
  - Premiums for high quality?
- Price??

## Acreage This Fall??

- Same as this fall??
  - Some areas were not able to get all the wheat planted they wanted to this past fall
- Planting window?
- Grain price needs to increase



Name	Delivery Start	Delivery End	Basis Month	Futures Price	Fut. Chg.	Basis	Cash Price
Corn	07/01/2024	07/31/2024	Sep 2024	394-0	0-6	0	\$3.9400
Corn	08/01/2024	08/31/2024	Sep 2024	394-0	0-6	-15	\$3.7900
Corn	09/01/2024	09/30/2024	Sep 2024	394-0	0-6	-15	\$3.7900
Corn	12/01/2024	12/31/2024	Dec 2024	408-4	0-6	5	\$4.1400
Corn	09/01/2025	09/30/2025	Sep 2025	444-6	-0-2	0	\$4.4500
Beans	07/01/2024	07/31/2024	Aug 2024	1131-2	-17-6	5	\$11.3700
Beans	10/01/2024	10/31/2024	Nov 2024	1080-0	-19-4	-12	\$10.6800
Beans	01/01/2025	01/31/2025	Jan 2025	1095-0	-19-4	0	\$10.9500
Beans	10/01/2025	10/31/2025	Nov 2025	1100-0	-12-6	0	\$11.0000
Wheat	07/01/2024	07/31/2024	Sep 2024	572-0	1-4	-60	\$5.1200
Wheat	06/01/2025	06/30/2025	Jul 2025	630-0	0-4	0	\$6.3000

# Impact of Miravis Ace Fungicide on Wheat Yield, Test Wt, and Revenue, 2024, Marianna

Variety	Yield with Fungicide	Untreated TW lb/bu Discount \$/bu	Treated Discount \$/bu and TW lb/bu	Untreated Revenue \$/ac	Treated Revenue \$/ac	Revenue Gain \$/ac
1	+15.7	53.2 (0.78)	55.3 (0.30)	369.58	493.05	+123.47
2	+6.0	57.0 (0.10)	57.7 (0.05)	434.83	474.22	+39.39
3	+9.0	55.0 (0.30)	55.7 (0.25)	397.86	453.10	+55.24
4	+12.7	51.2 (1.26)	56.6 (0.66)	324.22	433.07	+108.86
5	+6.4	53.8 (0.66)	54.9 (0.42)	404.24	458.12	+53.88
6	+19.9	54.3 (0.54)	56.0 (0.20)	384.38	523.74	+139.36
7	+9.6	56.3 (0.20)	57.4 (0.10)	443.70	507.99	+64.29
8	+5.4	56.4 (0.20)	56.7 (0.15)	399.62	434.66	+35.04
Mean	+10.6	54.7 (0.42)	55.9 (0.25)	394.54	472.46	+77.92

Selling Price June 7<sup>th</sup> : \$6.00/bu, Average Yield no Fungicide: 71.8 bu/acre, 82.4 bu/a with Miravis Ace.

# Grain Quality

No Fungicide



Miravis Ace





**Wheat Promotion Board Proposals  
2024-2025**



Name of Proposal/PI		Page #
Wheat Research Verification Program		1
Jason Kelley		
Control of herbicide-resistant ryegrass and other weeds in wheat and evaluation of new wheat technologies and strategies for weed control		6
Bob Scott		
Developing Soft Red Winter Wheat Cultivars for Arkansas		10
Ehsan Shakiba		
Pest Management Using Recommended Wheat Varieties		15
Terry Spurlock		

## **Arkansas Wheat Promotion Board – 2024-2025 Proposal**

**Title:** Wheat Research Verification Program

**Lead Investigators:** Dr. Jason Kelley, Wheat and Feed Grains Extension Agronomist  
Chris Elkins, Program Associate

**Co-Investigators:** Dr. Terry Spurlock, Extension Plant Pathologist  
Dr. Trent Roberts, Soils Fertility  
Dr. Bob Scott Extension Weed Scientist  
Dr. Glenn Studebaker, Extension Entomologist  
Dr. Nick Bateman, Extension Entomologist  
Breana Watkins, Extension Economist Program Associate

**Status:** New (Ongoing, Year 1 of 3)

**Research Area:** Verification

### **Stated Goal:**

Conduct an on-farm educational demonstration program that serves as a hands-on program to help producers, county extension agents, and crop consultants learn proper agronomic, pest management, and production practices that produce high-yielding and economical wheat under Arkansas conditions.

### **Specific Objectives:**

- (1) Verify research-based recommendations for profitable wheat production in Arkansas
- (2) Develop a database for economic analysis of all aspects of wheat production
- (3) Demonstrate that consistently high wheat yields can be economically produced with the use of available technology and inputs
- (4) Identify specific problems and opportunities in Arkansas wheat production that may require further investigation
- (5) Provide hands-on training for county extension agents, consultants, and producers through weekly field visits by coordinator

### **Methods:**

Producers enroll (or re-enroll) a field in the Wheat Research Verification Program. The producers will receive advice on all aspects of wheat production. The Wheat and Feed Grains Extension Agronomist and verification program coordinator will work with an Extension/Research Advisory Committee to make plans for each individual field.

Weather data, growth stages, and management practices will be evaluated weekly with the assistance of county extension agents to help aid in making management decisions. In addition, cooperating producers may be asked to dedicate a portion of the field for on-farm investigations of ongoing research, such as evaluation of fertility recommendations, seed treatments, pest

management, or other production issues that may arise during the growing season that need more research.

At the end of the growing season, results will be compiled into a report that includes economic analysis, production practices implemented, and performance of each field in the program.

**Statement of Projected Value:**

Many Arkansas wheat producers can improve yields and profit by implementing research-based practices in a timely manner. Likewise, extension recommendations are designed to improve yields and profits based on the results of unbiased research. The research verification program integrates all of the available information and technology together into a comprehensive demonstration of profitable wheat production in Arkansas.

Additionally, the verification program provides advanced training for county extension agents and cooperating producers. The information gained by county extension agents can then be applied to wheat producers statewide. Cooperators participate in the verification program for two successive years to obtain multi-year data and increase the county extension agents and cooperators' confidence in the program.

**Planned Milestones:** Each year, an annual report with inputs, yields, and economic analysis will be prepared. Results from the program will be presented at county extension production meetings and included in newsletters, blog postings, and other avenues of information dissemination.

**Budget Justification:** The total funding request is \$14,500. Salary/benefits and travel account for 95% of the budget.

## University of Arkansas System Division of Agriculture Promotion Board Budget

Kelley, Jason

Arkansas Wheat Research Verification Program

Version: 6.0 (11/01/2023)

Year	2024/2025	Project Year	New					
Lead Investigator	Kelley, Jason	Co-PI #1						
Co-PI #2		Co-PI #3						
Department	CSES Crop, Soil, Environmental Science							
Commodity Board	Wheat Promotion Board							
Project Title	Arkansas Wheat Research Verification Program							
<i>Budgets are requested in separate columns if separate Worktags for AES and CES will be needed.</i>								
<b>Budget for Personnel</b>								
	Kelley, Jason							
<i>Select "AES" or "CES" for each PI</i>	CES					Total Board Funding Requested	AES Portion	CES Portion
<b>Fulltime Personnel</b>								
Position Title	Name <i>(if position is filled)</i>	% Time	Salaries			Total	AES	CES
Program Associate	Chris Elkins	5%	\$3,400			\$3,400	\$0	\$3,400
Program Associate	Vacant	5%	\$3,400			\$3,400	\$0	\$3,400
						\$0	\$0	\$0
						\$0	\$0	\$0
						\$0	\$0	\$0
<b>Subtotal: Salaries</b>			\$6,800	\$0	\$0	\$6,800	\$0	\$6,800
<b>Graduate Student</b>								
<i>Tuition to be budgeted in the same ratio as GA stipend time, e.g., full time GA stipend, full year's tuition.</i>	Name <i>(if position is filled)</i>	% Time	Wages			Total	AES Portion	CES Portion
						\$0	\$0	\$0
						\$0	\$0	\$0
						\$0	\$0	\$0
						\$0	\$0	\$0
						\$0	\$0	\$0
<b>Tuition</b>						\$0	\$0	\$0
<b>Subtotal: Graduate Student</b>			\$0	\$0	\$0	\$0	\$0	\$0
<b>Hourly</b>								
			Wages			Total	AES Portion	CES Portion
Hourly-Personnel						\$0	\$0	\$0
Hourly-Students						\$0	\$0	\$0
<b>Subtotal: Hourly</b>			\$0	\$0	\$0	\$0	\$0	\$0
<b>Fringe Benefits</b>								
			Benefits			Total	AES Portion	CES Portion
Fulltime Personnel			\$2,149	\$0	\$0	\$2,149	\$0	\$2,149
Graduate Students			\$0	\$0	\$0	\$0	\$0	\$0
Hourly Personnel			\$0	\$0	\$0	\$0	\$0	\$0
Hourly-Students			\$0	\$0	\$0	\$0	\$0	\$0
<b>Subtotal: Fringe Benefits</b>			\$2,149	\$0	\$0	\$2,149	\$0	\$2,149
<b>Personnel Total</b>			\$8,949	\$0	\$0	\$8,949	\$0	\$8,949
<b>Travel</b>								
			Travel			Total	AES Portion	CES Portion
In-State			\$4,900			\$4,900	\$0	\$4,900
Out-of-State						\$0	\$0	\$0
<b>Travel Total</b>			\$4,900	\$0	\$0	\$4,900	\$0	\$4,900

*Fringe benefits are calculated when salary and wage amounts are entered above.*

*Justify out-of-state travel in proposal.*

**University of Arkansas System Division of Agriculture  
Promotion Board Budget**

Kelley, Jason

Arkansas Wheat Research Verification Program

		Maintenance & Operations						
		M&O				Total	AES Portion	CES Portion
	Supplies	\$500				\$500	\$0	\$500
	Fertilizer/Chemicals					\$0	\$0	\$0
	Publication	\$151				\$151	\$0	\$151
	Statistical Consulting					\$0	\$0	\$0
Other Direct Costs						\$0	\$0	\$0
Station Maintenance	SAREC, Fayetteville	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	CTST, Marianna	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Lonoke County Ext. Center	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	NERE, Keiser	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	NERREC, Jonesboro	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Jackson County Ext. Center	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	PTST, Colt	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	RIRE, Stuttgart	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Rosen Center	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	SEST, Rohwer	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	SWRE, Hope	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	VGSS, Kibler	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	FRSS, Clarksville	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	LFST, Batesville	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	CSES Greenhouse, Fayetteville	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		<b>M &amp; O Total</b>	<b>\$651</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$651</b>	<b>\$0</b>
	<b>Total for Proposal</b>	<b>\$14,500</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$14,500</b>	<b>\$0</b>	<b>\$14,500</b>

*Budget errors delay submission of your proposal. Any proposal submitted with errors in the budget cannot be guaranteed accurate presentation for funding. Please check budgets for accuracy.*

Fringe Benefit Rates (as of 7/1/2022)				
Campus	Fulltime	Temp/Hourly	Graduate	Student
AES	31.60%	7.90%	4.20%	0.70%
CES	31.60%	7.90%	4.20%	0.70%

Complete the following section ONLY if the project will be considered for an Ecosystem.						
Ecosystems (Rice Only)		%	Kelley, Jason			Total
	Grand Prairie	0%	\$0	\$0	\$0	\$0
	Mississippi Delta		\$0	\$0	\$0	\$0
	White River		\$0	\$0	\$0	\$0
	<b>Totals</b>	<b>0%</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

*Must match the proposal total.*



**PROPOSAL ROUTING FORM  
FOR COMMODITY CHECK-OFF FUNDS**  
Division of Agriculture  
Commodity (Check One)

PI Name: Jason Kelley  
Co-PI Name: \_\_\_\_\_  
Co-PI Name: \_\_\_\_\_  
Co-PI Name: \_\_\_\_\_

Beef Council	<input type="checkbox"/>	Corn/Grain Sorghum	<input type="checkbox"/>
Cotton	<input type="checkbox"/>	Rice	<input type="checkbox"/>
Soybean	<input type="checkbox"/>	Wheat	<input checked="" type="checkbox"/>
Soil	<input type="checkbox"/>	Peanut	<input type="checkbox"/>

Proposal Title: Arkansas Wheat Research Verification Program

All investigators have read and understood UA's conflict of interest policies and the Disclosure of Financial Interests Related to Sponsored Projects, have made all financial disclosures required by them, and prior to the expenditure of any award funds shall have reached an agreement with the Division of Agriculture which provides for conditions or restrictions necessary to manage, reduce, or eliminate significant financial conflicts of interest.

The proposal submitted herewith is (1) complete in its technical content, (2) adheres to the rules of proper scholarship, including specifically the proper attribution and citation for all text and graphics, (3) complies with federal standards for the integrity of research (e.g., NSF/NIH Misconduct in Science Policy), and (4) is in accordance with specifications established by the sponsoring agency. This proposal will be withdrawn at a later date if subsequent review reveals that the proposal is incomplete, contains errors, inaccuracies, misrepresentations, or does not conform to UA or sponsoring agency requirements.

If the proposal submitted herewith is funded and accepted by the Division of Agriculture, the PI and co-PIs will conduct the project in accordance with the terms and conditions of the sponsoring agency and the Policies of the Division of Agriculture, and will be fully responsible for meeting the requirements of the award, including providing the proper stewardship of sponsored funds, submitting all required technical reports and deliverables on a timely basis, and properly disclosing all inventions to the University's Intellectual Property Office, in accordance with Federal and Division's Policies.

Each individual signing below is certifying that the facilities/space and other University resources necessary to complete the proposed project are available to the project, or provisions have been arranged with Department/College to make such space or other University resources available in the event an award is made.

Each individual signing below is certifying to the best of their knowledge and belief that they have not defaulted on any federal debt nor are they currently prohibited through debarment, suspension, indictment or voluntary exclusion from receiving funds from any federal department or agency (Executive Order 12549). If you are unable to sign this statement please notify the Business Office.

Will project involve recombinant DNA, Human Subjects, or living vertebrate animals? No  Yes

Principal Investigator(s) submitting this proposal certify that a preliminary plan of work (per Division of Agriculture guidelines for "Conducting Research at Off-Campus Locations" PMGS 95-4 has been approved. The PI and Station Director have reached a satisfactory agreement for station support allocations.

Signatures

PI:	<u>Jason Kelley</u> <small>DocuSigned by: 2A78F75EEED0419...</small>	Unit	<u>CSES</u>	Date	<u>5/30/2024</u>
Co-PI:	_____	Unit	_____	Date	_____
Co-PI:	_____	Unit	_____	Date	_____
Co-PI:	_____	Unit	_____	Date	_____
Station Director:	_____	Unit	_____	Date	_____
Station Director:	_____	Unit	_____	Date	_____
Station Director:	_____	Unit	_____	Date	_____
Station Director:	<u>Trent Roberts</u> <small>DocuSigned by: A9EB8222AD8F41F...</small>	Unit	<u>CSES</u>	Date	<u>5/31/2024</u>
Dept. Head/Unit Head:	_____	005 Unit	_____	Date	_____

**Arkansas Wheat Promotion Board – 2024-2025 Proposal**

**Title: Control of herbicide-resistant ryegrass and other weeds in wheat and evaluation of new wheat technologies and strategies for weed control.**

**Lead Investigators: Bob Scott**

**Co-Investigators:**

**Status (i.e., New, Year 2 of 3, Year 2 of 2, etc.): New (Year 1 of 1)**

**Research Areas (Verification Program, General Agronomics, Diseases, Insects, Fertility, Irrigation, Weed Control, Misc. Projects): Weed Control**

**Stated Goal: To provide updates where needed to the Wheat weed control section of the MP44 and to provide Arkansas growers with the most up-to-date information possible on new weed control chemicals and strategies.**

**Specific Objectives: Conducting 3-4 field weed control studies in wheat each year with a focus on resistant ryegrass and mayweed control. In addition, greenhouse screenings may be conducted to determine resistance levels of new/emerging weed problems such as glyphosate resistant *Poa annua*. The project will also evaluate any new chemistry for wheat as it becomes available.**

**Methods: Small plot research in the field with associated techniques and appropriate greenhouse methods for resistance screening.**

**Planned Milestones: Annual updates to the MP44, Summary of all field trials annually and presentation to the Wheat Promotion Board as well as various grower and professional meetings.**

**Statement of Projected Value: \$7500**

**Budget Justifications/Explanation of Travel and Direct Costs: This budget allocation covers the partial salary (\$5,264) of one program technician and includes labor involved in establishing, evaluating and analyzing test results. It also includes \$2,236 for supplies including wheat seed, spray equipment, chemicals, fertilizers and other misc. costs.**

# University of Arkansas System Division of Agriculture

## Promotion Board Budget

Bob Scott

Control of herbicide resistant ryegrass and other weeds in wheat and evaluation of new wheat technologies and

Version: 6.0 (11/01/2023)

Year	2024/2025	Project Year	New						
Lead Investigator	Bob Scott	Co-PI #1							
Co-PI #2		Co-PI #3							
Department	CSES Crop, Soil, Environmental Science								
Commodity Board	Wheat Promotion Board								
Project Title	Control of herbicide resistant ryegrass and other weeds in wheat and evaluation of new wheat technologies and strategies for weed								
<i>Budgets are requested in separate columns if separate Worktags for AES and CES will be needed.</i>									
<b>Budget for Personnel</b>									
		Bob Scott							
<i>Select "AES" or "CES" for each PI</i>					<b>Total Board Funding Requested</b>	<b>AES Portion</b>			
		X				<b>CES Portion</b>			
<b>Fulltime Personnel</b>									
Position Title	Name <i>(if position is filled)</i>	% Time	Salaries			Total	AES	CES	
Program Associate	Unfilled	10%	\$4,000			\$4,000	\$0	\$0	
						\$0	\$0	\$0	
						\$0	\$0	\$0	
						\$0	\$0	\$0	
						\$0	\$0	\$0	
<b>Subtotal: Salaries</b>			\$4,000	\$0	\$0	\$4,000	\$0	\$0	
<b>Graduate Student</b>									
<i>Tuition to be budgeted in the same ratio as GA stipend time, e.g., full time GA stipend, full year's tuition.</i>		Name <i>(if position is filled)</i>	% Time	Wages			Total	AES Portion	CES Portion
							\$0	\$0	\$0
							\$0	\$0	\$0
							\$0	\$0	\$0
							\$0	\$0	\$0
							\$0	\$0	\$0
		<b>Tuition</b>				\$0	\$0	\$0	
<b>Subtotal: Graduate Student</b>			\$0	\$0	\$0	\$0	\$0	\$0	
<b>Hourly</b>									
		Wages			Total	AES Portion	CES Portion		
Hourly-Personnel					\$0	\$0	\$0		
Hourly-Students					\$0	\$0	\$0		
<b>Subtotal: Hourly</b>			\$0	\$0	\$0	\$0	\$0		
<b>Fringe Benefits</b>									
		Benefits			Total	AES Portion	CES Portion		
Fulltime Personnel					\$1,264	\$0	\$0		
Graduate Students					\$0	\$0	\$0		
Hourly Personnel					\$0	\$0	\$0		
Hourly-Students					\$0	\$0	\$0		
<b>Subtotal: Fringe Benefits</b>			\$1,264	\$0	\$0	\$1,264	\$0	\$0	
<b>Personnel Total</b>			\$5,264	\$0	\$0	\$5,264	\$0	\$0	
<b>Travel</b>									
		Travel			Total	AES Portion	CES Portion		
In-State					\$0	\$0	\$0		
Out-of-State					\$0	\$0	\$0		
<b>Travel Total</b>			\$0	\$0	\$0	\$0	\$0		
<i>Fringe benefits are calculated when salary and wage amounts are entered above.</i>									
<i>Justify out-of-state travel in proposal.</i>									

## University of Arkansas System Division of Agriculture

### Promotion Board Budget

Bob Scott

Control of herbicide resistant ryegrass and other weeds in wheat and evaluation of new wheat technologies and

		Maintenance & Operations						
		M&O				Total	AES Portion	CES Portion
	Supplies	\$1,500				\$1,500	\$0	\$0
	Fertilizer/Chemicals	\$736				\$736	\$0	\$0
	Publication					\$0	\$0	\$0
	Statistical Consulting					\$0	\$0	\$0
Other Direct Costs						\$0	\$0	\$0
Station Maintenance	SAREC, Fayetteville	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	CTST, Marianna	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Lonoke County Ext. Center	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	NERE, Keiser	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	NERREC, Jonesboro	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Jackson County Ext. Center	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	PTST, Colt	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	RIRE, Stuttgart	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Rosen Center	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	SEST, Rohwer	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	SWRE, Hope	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	VGSS, Kibler	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	FRSS, Clarksville	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	LFST, Batesville	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	CSES Greenhouse, Fayetteville	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		<b>M &amp; O Total</b>	<b>\$2,236</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,236</b>	<b>\$0</b>
	<b>Total for Proposal</b>	<b>\$7,500</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$7,500</b>	<b>\$0</b>	<b>\$0</b>

Budget errors delay submission of your proposal. Any proposal submitted with errors in the budget cannot be guaranteed accurate presentation for funding. Please check budgets for accuracy.

Fringe Benefit Rates (as of 7/1/2022)				
Campus	Fulltime	Temp/Hourly	Graduate	Student
AES	31.60%	7.90%	4.20%	0.70%
CES	31.60%	7.90%	4.20%	0.70%

Complete the following section ONLY if the project will be considered for an Ecosystem.							
Ecosystems (Rice Only)		%	Bob Scott				Total
	Grand Prairie	0%	\$0	\$0	\$0	\$0	\$0
	Mississippi Delta		\$0	\$0	\$0	\$0	\$0
	White River		\$0	\$0	\$0	\$0	\$0
	<b>Totals</b>	<b>0%</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



PROPOSAL ROUTING FORM FOR COMMODITY CHECK-OFF FUNDS

Division of Agriculture Commodity (Check One)

PI Name: Bob Scott
Co-PI Name:
Co-PI Name:
Co-PI Name:

Beef Council [ ] Corn/Grain Sorghum [ ]
Cotton [ ] Rice [ ]
Soybean [ ] Wheat [x]
Soil [ ] Peanut [ ]

Proposal Title: Control of herbicide-resistant ryegrass and other weeds in wheat and evaluation of new w

All investigators have read and understood UA's conflict of interest policies and the Disclosure of Financial Interests Related to Sponsored Projects, have made all financial disclosures required by them, and prior to the expenditure of any award funds shall have reached an agreement with the Division of Agriculture which provides for conditions or restrictions necessary to manage, reduce, or eliminate significant financial conflicts of interest.

The proposal submitted herewith is (1) complete in its technical content, (2) adheres to the rules of proper scholarship, including specifically the proper attribution and citation for all text and graphics, (3) complies with federal standards for the integrity of research (e.g., NSF/NIH Misconduct in Science Policy), and (4) is in accordance with specifications established by the sponsoring agency. This proposal will be withdrawn at a later date if subsequent review reveals that the proposal is incomplete, contains errors, inaccuracies, misrepresentations, or does not conform to UA or sponsoring agency requirements.

If the proposal submitted herewith is funded and accepted by the Division of Agriculture, the PI and co-PIs will conduct the project in accordance with the terms and conditions of the sponsoring agency and the Policies of the Division of Agriculture, and will be fully responsible for meeting the requirements of the award, including providing the proper stewardship of sponsored funds, submitting all required technical reports and deliverables on a timely basis, and properly disclosing all inventions to the University's Intellectual Property Office, in accordance with Federal and Division's Policies.

Each individual signing below is certifying that the facilities/space and other University resources necessary to complete the proposed project are available to the project, or provisions have been arranged with Department/College to make such space or other University resources available in the event an award is made.

Each individual signing below is certifying to the best of their knowledge and belief that they have not defaulted on any federal debt nor are they currently prohibited through debarment, suspension, indictment or voluntary exclusion from receiving funds from any federal department or agency (Executive Order 12549). If you are unable to sign this statement please notify the Business Office.

Will project involve recombinant DNA, Human Subjects, or living vertebrate animals? No [x] Yes [ ]

Principal Investigator(s) submitting this proposal certify that a preliminary plan of work (per Division of Agriculture guidelines for "Conducting Research at Off-Campus Locations" PMGS 95-4 has been approved. The PI and Station Director have reached a satisfactory agreement for station support allocations.

Signatures

DocuSigned by: Bob Scott 51BAE6617576477... Unit CSES Date 5/20/2024
Co-PI: Unit Date
Co-PI: Unit Date
Co-PI: Unit Date
Station Director: Unit Date
Station Director: Unit Date
Station Director: Unit Date
Station Director: Unit Date
DocuSigned by: Trent Roberts A9EB8222AD8F41F... Unit CSES Date 5/20/2024
Dept. Head/Unit Head: Unit Date
Dept. Head/Unit Head: Unit Date

## Arkansas Wheat Promotion Board – 2024-2025 Proposal

**Title:** Developing Soft Red Winter Wheat Cultivars for Arkansas

**Lead Investigators:** Ehsan Shakiba

**Co-Investigators:** New

**Status (i.e., New, Year 2 of 3, Year 2 of 2, etc.):**

**Research Areas (Verification Program, General Agronomics, Diseases, Insects, Fertility, Irrigation, Weed Control, Misc. Projects):**

**Stated Goal:**

- Develop high-yield potential cultivars and germplasm with durable resistance to biotic and abiotic stresses
- Identify superior wheat genotypes adapted to the Arkansas wheat-growing region via exchange and cooperative testing of breeding material with five university breeding programs, also known as Southeastern University Grains (Sungrains), and participate in the joint release of the new lines
- Develop collaborative research with UofA scientists developing projects to improve wheat yield and its agronomic characteristics.
- Learn and present the latest innovative scientific findings/ techniques for developing the wheat breeding program through scientific meetings, workshops, networking, etc.

**Specific Objectives:**

- Develop elite wheat germplasm via field study using appropriate breeding methods.
- Develop superior wheat line via the double haploid procedure.
- Identify genotypes for resistance to Stripe rust caused by the fungus *Puccinia striiformis* via inoculating and screening breeding material and varieties
- Collaborate with Dr. Jason Kelly, a small grain specialist on wheat breeding issues.

**Methods:**

- Apply all feasible breeding techniques and methods (hybridization, backcrossing, mutation breeding, biotechnology, etc.) to produce elite wheat lines.
- Implement disease screening for evaluating wheat genotypes to select and develop wheat lines with durable resistance to biotic stresses.
- Perform Cooperative testing of wheat lines developed by the University of Arkansas and other Sungrain contributors for adaption in Arkansas. Any high yield wheat line that is strongly adapted to Arkansas growing conditions will be targeted for co-release with developing institutions.
- Continue cooperation and exchange of information and materials within the cooperative breeding network in the USA and abroad.

**Planned Milestones:**

The time required to produce a new wheat variety ranges from 10 to 12 years, depending on the variability in the genetic materials used to make the cross. Plant breeding is an ongoing continuous process. During the life of a program, lines will be in stages of development from early to advanced generations. Thus no time limit is suggested, but the release of varieties should occur through the funding period, and specific yearly objectives

have been defined. However, utilizing molecular analysis for marker-assisted selection can reduce the cost the breeding procedures. Moreover, methods such as double haploid are applied to speed up the process of accessing specific traits. In addition, new wheat genotypes will be introduced into our germplasm to improve genetic diversity and fill the areas where the program was lacking.

**Statement of Projected Value:**

Arkansas is one of the wheat producers in the U.S. For the 2023 planting season, wheat was planted in over 150 thousand acres of Arkansas farmland and was harvested with an average of 55 bushels/ acre. According to USDA, Arkansas winter wheat production for 2022 was 9.12 million bushels. In 2021, about 145 thousand wheat, an average of 58 bu/ac, were harvested. In 2020 Arkansas winter wheat produced 4.125 million bushels (247.5 million pounds), showing a more than 59 percent increase compared to 2019. The harvested area for 2020 reached 75,000 acres, a 25,000-acre increase from the previous year. Moreover, the state average yield for 2020 improved to 55 bushels per acre, about three bushels more than in 2019. Arkansas wheat acreage is still less than a decade ago when growers planted about 680,000 acres in 2013. However, increasing grain prices was essential in growers' decision to plant more winter wheat in 2020. As a result, Arkansas' winter wheat acreage in 2020 reached 180,000 acres, the highest since 2017. Despite the narrow window for planting wheat, developing elite wheat cultivars, implementing successful field management, and increasing wheat premiums can contribute to wheat production in Arkansas.

**Budget Justifications/Explanation of Travel and Direct Costs:**

- **Agro-lab Tech (\$18000):** I plan to hire a full-time employee for the program. Currently, we don't have any full-time employees in our program. The 18000 will be for 50% of his activities.
- **Hourly Worker (\$6,000):** Plant breeding is labor-intensive. We plan to have an hourly worker for the field, lab, and greenhouse activities.
- **Travel (\$3,500):** Travel will be used for 1) visiting U.A. stations for field activities. We will plant some of our lines in Marianna and Fayetteville for yield evaluation, which requires more travel to these locations.

# University of Arkansas System Division of Agriculture

## Promotion Board Budget

Shakiba, Ehsan

Developing Soft Red Winter Wheat Cultivars for Arkansas

Version: 6.0 (11/01/2023)

Year	2024/2025	Project Year	New					
Lead Investigator	Shakiba, Ehsan	Co-PI #1						
Co-PI #2		Co-PI #3						
Department	CSES Crop, Soil, Environmental Science							
Commodity Board	Wheat Promotion Board							
Project Title	Developing Soft Red Winter Wheat Cultivars for Arkansas							
<i>Budgets are requested in separate columns if separate Worktags for AES and CES will be needed.</i>								
<b>Budget for Personnel</b>								
	Shakiba, Ehsan							
<i>Select "AES" or "CES" for each PI</i>				Total Board Funding Requested	AES Portion	CES Portion		
	X							
<b>Fulltime Personnel</b>								
Position Title	Name <i>(if position is filled)</i>	% Time	Salaries			Total	AES	CES
Agro-lab tech	TBA	50%	\$18,000			\$18,000	\$0	\$0
						\$0	\$0	\$0
						\$0	\$0	\$0
						\$0	\$0	\$0
						\$0	\$0	\$0
<b>Subtotal: Salaries</b>			\$18,000	\$0	\$0	\$18,000	\$0	\$0
<b>Graduate Student</b>								
<i>Tuition to be budgeted in the same ratio as GA stipend time, e.g., full time GA stipend, full year's tuition.</i>	Name <i>(if position is filled)</i>	% Time	Wages			Total	AES Portion	CES Portion
						\$0	\$0	\$0
						\$0	\$0	\$0
						\$0	\$0	\$0
						\$0	\$0	\$0
						\$0	\$0	\$0
<b>Tuition</b>						\$0	\$0	\$0
<b>Subtotal: Graduate Student</b>			\$0	\$0	\$0	\$0	\$0	\$0
<b>Hourly</b>								
			Wages			Total	AES Portion	CES Portion
	Hourly-Personnel		\$6,000			\$6,000	\$0	\$0
	Hourly-Students					\$0	\$0	\$0
<b>Subtotal: Hourly</b>			\$6,000	\$0	\$0	\$6,000	\$0	\$0
<b>Fringe Benefits</b>								
			Benefits			Total	AES Portion	CES Portion
<i>Fringe benefits are calculated when salary and wage amounts are entered above.</i>	Fulltime Personnel		\$5,688	\$0	\$0	\$5,688	\$0	\$0
	Graduate Students		\$0	\$0	\$0	\$0	\$0	\$0
	Hourly Personnel		\$474	\$0	\$0	\$474	\$0	\$0
	Hourly-Students		\$0	\$0	\$0	\$0	\$0	\$0
<b>Subtotal: Fringe Benefits</b>			\$6,162	\$0	\$0	\$6,162	\$0	\$0
<b>Personnel Total</b>			\$30,162	\$0	\$0	\$30,162	\$0	\$0
<b>Travel</b>								
			Travel			Total	AES Portion	CES Portion
<i>Justify out-of-state travel in proposal.</i>	In-State		\$3,500			\$3,500	\$0	\$0
	Out-of-State					\$0	\$0	\$0
<b>Travel Total</b>			\$3,500	\$0	\$0	\$3,500	\$0	\$0

**University of Arkansas System Division of Agriculture  
Promotion Board Budget**

Shakiba, Ehsan

Developing Soft Red Winter Wheat Cultivars for Arkansas

		Maintenance & Operations						
		M&O			Total	AES Portion	CES Portion	
	Supplies				\$0	\$0	\$0	
	Fertilizer/Chemicals				\$0	\$0	\$0	
	Publication				\$0	\$0	\$0	
	Statistical Consulting				\$0	\$0	\$0	
Other Direct Costs					\$0	\$0	\$0	
Station Maintenance	SAREC, Fayetteville	\$734	\$0	\$0	\$0	\$734	\$0	\$0
	CTST, Marianna	\$7,275	\$0	\$0	\$0	\$7,275	\$0	\$0
	Lonoke County Ext. Center	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	NERE, Keiser	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	NERREC, Jonesboro	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Jackson County Ext. Center	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	PTST, Colt	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	RIRE, Stuttgart	\$480	\$0	\$0	\$0	\$480	\$0	\$0
	Rosen Center	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	SEST, Rohwer	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	SWRE, Hope	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	VGSS, Kibler	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	FRSS, Clarksville	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	LFST, Batesville	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CSES Greenhouse, Fayetteville	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	<b>M &amp; O Total</b>	<b>\$8,489</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$8,489</b>	<b>\$0</b>	<b>\$0</b>
	<b>Total for Proposal</b>	<b>\$42,151</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$42,151</b>	<b>\$0</b>	<b>\$0</b>

*Budget errors delay submission of your proposal. Any proposal submitted with errors in the budget cannot be guaranteed accurate presentation for funding. Please check budgets for accuracy.*

Fringe Benefit Rates (as of 7/1/2022)				
Campus	Fulltime	Temp/Hourly	Graduate	Student
AES	31.60%	7.90%	4.20%	0.70%
CES	31.60%	7.90%	4.20%	0.70%

Complete the following section ONLY if the project will be considered for an Ecosystem.							
Ecosystems (Rice Only)		%	Shakiba, Ehsan				Total
	Grand Prairie	0%	\$0	\$0	\$0	\$0	\$0
	Mississippi Delta		\$0	\$0	\$0	\$0	\$0
	White River		\$0	\$0	\$0	\$0	\$0
	<b>Totals</b>	<b>0%</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



**PROPOSAL ROUTING FORM  
FOR COMMODITY CHECK-OFF FUNDS**  
Division of Agriculture  
Commodity (Check One)

PI Name: Ehsan Shakiba  
Co-PI Name: \_\_\_\_\_  
Co-PI Name: \_\_\_\_\_  
Co-PI Name: \_\_\_\_\_

Beef Council	<input type="checkbox"/>	Corn/Grain Sorghum	<input type="checkbox"/>
Cotton	<input type="checkbox"/>	Rice	<input type="checkbox"/>
Soybean	<input type="checkbox"/>	Wheat	<input checked="" type="checkbox"/>
Soil	<input type="checkbox"/>	Peanut	<input type="checkbox"/>

Proposal Title: Developing Soft Red Winter Wheat Cultivars for Arkansas

All investigators have read and understood UA's conflict of interest policies and the Disclosure of Financial Interests Related to Sponsored Projects, have made all financial disclosures required by them, and prior to the expenditure of any award funds shall have reached an agreement with the Division of Agriculture which provides for conditions or restrictions necessary to manage, reduce, or eliminate significant financial conflicts of interest.

The proposal submitted herewith is (1) complete in its technical content, (2) adheres to the rules of proper scholarship, including specifically the proper attribution and citation for all text and graphics, (3) complies with federal standards for the integrity of research (e.g., NSF/NIH Misconduct in Science Policy), and (4) is in accordance with specifications established by the sponsoring agency. This proposal will be withdrawn at a later date if subsequent review reveals that the proposal is incomplete, contains errors, inaccuracies, misrepresentations, or does not conform to UA or sponsoring agency requirements.

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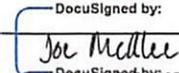
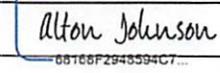
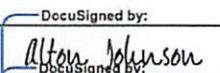
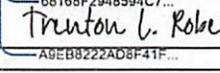
Each individual signing below is certifying that the facilities/space and other University resources necessary to complete the proposed project are available to the project, or provisions have been arranged with Department/College to make such space or other University resources available in the event an award is made.

Each individual signing below is certifying to the best of their knowledge and belief that they have not defaulted on any federal debt nor are they currently prohibited through debarment, suspension, indictment or voluntary exclusion from receiving funds from any federal department or agency (Executive Order 12549). If you are unable to sign this statement please notify the Business Office.

Will project involve recombinant DNA, Human Subjects, or living vertebrate animals? No  Yes

Principal Investigator(s) submitting this proposal certify that a preliminary plan of work (per Division of Agriculture guidelines for "Conducting Research at Off-Campus Locations" PMGS 95-4 has been approved. The PI and Station Director have reached a satisfactory agreement for station support allocations.

**Signatures**

PI:		Unit	<u>RREC</u>	Date	<u>5/30/24</u>
Co-PI:	_____	Unit	_____	Date	_____
Co-PI:	_____	Unit	_____	Date	_____
Co-PI:	_____	Unit	_____	Date	_____
Station Director:		Unit	<u>SAREC</u>	Date	_____
Station Director:		Unit	<u>CTST</u>	Date	<u>5/31/2024</u>
Station Director:		Unit	<u>RREC</u>	Date	<u>5/30/2024</u>
Station Director:		Unit	_____	Date	_____
Dept. Head/Unit Head:		Unit	<u>RREC</u>	Date	<u>5/30/2024</u>
Dept. Head/Unit Head:		Unit	<u>CSES</u>	Date	<u>5/30/2024</u>

## **Arkansas Wheat Promotion Board – 2024-2025 Proposal**

**Title: Pest Management Using Recommended Wheat Varieties**

**Lead Investigators: Terry Spurlock**

**Co-Investigators: Jason Kelley and Nick Bateman**

**Status: New**

**Research Areas: Disease management, insect management, grain quality, extension and outreach**

**Stated Goal: To develop a group of recommended wheat varieties annually to better manage pests such as Fusarium head blight, stripe rust, and other foliar diseases, and rice stink bug, and increase grower profits.**

### **Specific Objectives:**

1. Create a list of recommended wheat varieties using results from the Arkansas Wheat Variety Testing Program.
2. Determine the economic value of a single scab preventative fungicide application on a resistant variety and varieties known to be susceptible to scab, leaf rust, and stripe rust.
3. Develop an economic threshold for rice stink bug in wheat using a sweep net.

**Methods Objective 1: Drs. Spurlock and Kelley will rate foliar disease severity at the Official Variety Trial (OVT) locations, Keiser, Kibler, Lon Mann, Rohwer, and Pine Tree, and use the data to create a list of recommended varieties annually.**

The list of recommended varieties will be determined as follows:

1. Included in the latest two years of the variety testing program
2. Moderately resistant to Fusarium head blight
3. Moderately resistant to stripe rust
4. Resistance/tolerance to leaf rust, Septoria tritici blotch, and bacterial leaf streak
5. In the 'higher yielding' group

**Methods Objective 2: A trial will be planted at Rohwer Station and another at Lon Mann. Plots will be 20ft long and 5ft wide and treatments arranged in a randomized split-plot and replicated. Treatments will be a variety tolerant to scab, stripe rust, and leaf rust (Ex. Delta Grow 1200), a variety susceptible to scab, stripe rust, and leaf rust and fungicides applied to each variety at the proper timing to prevent scab (full bloom). At least two different fungicides will be applied, each representing a different cost tier. A non-fungicide treated control will be included in each replication for each variety.**

Fungicide treatments will be applied using a ground driven sprayer (10 gallons water per acre, 40 psi) at flowering (Feekes 10.5.1) for scab timing. Plots will be rated for disease incidence (the percentage of plants in the plot with disease) and disease severity (the amount of disease on the plants that have it) of each unique disease that occurs beginning at disease onset and until harvest. Plots will be harvested using a combine equipped with a research weight system and data will be analyzed by analysis of variance and mean separations of fixed effects done using Tukey's honest significant difference test.

**Methods Objectives 3: The current threshold for rice stink bug is based on visual counts. We would like to compare the current threshold to a sweep net threshold. In all other crops, growers and consultants are using a sweep net to determine insect pest densities. The current visual count threshold will be compared**

to multiple sweep net thresholds in trials containing insecticide treatments. Yield and quality will be measured at the end of the season to determine if a sweep net threshold is viable.

**Planned Milestones:** A recommended variety list will be made available to growers via social media and other outreach after the Arkansas Wheat Update has been published and prior to planting the following year. At the completion of each research year, the results will be disseminated at county meetings and presented at regional conferences and working groups.

**Statement of Projected Value:** Foliar disease pressure on Arkansas wheat is largely underestimated by many growers. Growers could greatly reduce losses due to foliar diseases and improve grain quality by simply choosing a variety with resistance to the major diseases that we see most years in this state. We feel that our labs should continue the disease ratings of the OVTs, develop a list of recommended varieties from those data, and immediately disseminate that information to the growers since we each receive numerous phone calls and take many field visits throughout the state to assist growers with disease management each year.

Also, and because many growers WILL spray a preventative application for scab regardless of the variety, it is important to help growers understand the economic value of these applications and their impact on damage caused by other diseases that may develop later in the season.

Growers have questions about insect management as well. We aim to develop a rice stink bug threshold to help answer these questions and guide more profitable IPM.

**Budget Justifications/Explanation of Travel and Direct Costs:** The budget allocates funds for field calls to assist growers, labor to plant, spray, harvest, and maintain the fungicide trials, supplies associated with these activities, and travel to rate the OVT locations.

## University of Arkansas System Division of Agriculture Promotion Board Budget

Spurlock, Terry

Pest Management Using Recommended Wheat Varieties

Version: 6.0 (11/01/2023)

Year	2024/2025	Project Year	New						
Lead Investigator	Spurlock, Terry	Co-PI #1	Kelley, Jason						
Co-PI #2	Bateman, Nick	Co-PI #3							
Department	ENPL Entomology and Plant Pathology								
Commodity Board	Wheat Promotion Board								
Project Title	Pest Management Using Recommended Wheat Varieties								
<i>Budgets are requested in separate columns if separate Worktags for AES and CES will be needed.</i>									
<b>Budget for Personnel</b>									
		Spurlock, Terry	Kelley, Jason	Bateman, Nick			Total Board Funding Requested	AES Portion	CES Portion
<i>Select "AES" or "CES" for each PI</i>		CES	CES	CES					
<b>Fulltime Personnel</b>									
Position Title	Name <i>(if position is filled)</i>	% Time	Salaries			Total	AES	CES	
Program Technician	Robert Hoyle	10%	\$4,200			\$4,200	\$0	\$4,200	
						\$0	\$0	\$0	
						\$0	\$0	\$0	
						\$0	\$0	\$0	
						\$0	\$0	\$0	
<b>Subtotal: Salaries</b>			\$4,200	\$0	\$0	\$0	\$4,200	\$0	\$4,200
<b>Graduate Student</b>									
<i>Tuition to be budgeted in the same ratio as GA stipend time, e.g., full time GA stipend, full year's tuition.</i>	Name <i>(if position is filled)</i>	% Time	Wages			Total	AES Portion	CES Portion	
						\$0	\$0	\$0	
						\$0	\$0	\$0	
						\$0	\$0	\$0	
						\$0	\$0	\$0	
						\$0	\$0	\$0	
<b>Tuition</b>						\$0	\$0	\$0	
<b>Subtotal: Graduate Student</b>			\$0	\$0	\$0	\$0	\$0	\$0	
<b>Hourly</b>									
			Wages			Total	AES Portion	CES Portion	
	Hourly-Personnel		\$2,000	\$1,750		\$3,750	\$0	\$3,750	
	Hourly-Students					\$0	\$0	\$0	
<b>Subtotal: Hourly</b>			\$2,000	\$1,750	\$0	\$0	\$3,750	\$0	\$3,750
<b>Fringe Benefits</b>									
			Benefits			Total	AES Portion	CES Portion	
<i>Fringe benefits are calculated when salary and wage amounts are entered above.</i>	Fulltime Personnel		\$1,327	\$0	\$0	\$1,327	\$0	\$1,327	
	Graduate Students		\$0	\$0	\$0	\$0	\$0	\$0	
	Hourly Personnel		\$158	\$138	\$0	\$296	\$0	\$296	
	Hourly-Students		\$0	\$0	\$0	\$0	\$0	\$0	
<b>Subtotal: Fringe Benefits</b>			\$1,485	\$138	\$0	\$0	\$1,623	\$0	\$1,623
<b>Personnel Total</b>			\$7,685	\$1,888	\$0	\$0	\$9,573	\$0	\$9,573
<b>Travel</b>									
			Travel			Total	AES Portion	CES Portion	
<i>Justify out-of-state travel in proposal.</i>	In-State		\$2,000	\$2,000		\$4,000	\$0	\$4,000	
	Out-of-State					\$0	\$0	\$0	
<b>Travel Total</b>			\$2,000	\$2,000	\$0	\$0	\$4,000	\$0	\$4,000

## University of Arkansas System Division of Agriculture Promotion Board Budget

Spurlock, Terry

Pest Management Using Recommended Wheat Varieties

		Maintenance & Operations					
		M&O			Total	AES Portion	CES Portion
	Supplies	\$695	\$618		\$1,313	\$0	\$1,313
	Fertilizer/Chemicals		\$450		\$450	\$0	\$450
	Publication				\$0	\$0	\$0
	Statistical Consulting				\$0	\$0	\$0
	Other Direct Costs				\$0	\$0	\$0
<b>Station Maintenance</b>	SAREC, Fayetteville	\$0	\$0	\$0	\$0	\$0	\$0
	CTST, Marianna	\$0	\$744	\$0	\$744	\$0	\$744
	Lonoke County Ext. Center	\$0	\$0	\$0	\$0	\$0	\$0
	NERE, Keiser	\$0	\$0	\$0	\$0	\$0	\$0
	NERREC, Jonesboro	\$0	\$0	\$0	\$0	\$0	\$0
	Jackson County Ext. Center	\$0	\$0	\$0	\$0	\$0	\$0
	PTST, Colt	\$0	\$0	\$0	\$0	\$0	\$0
	RIRE, Stuttgart	\$0	\$0	\$0	\$0	\$0	\$0
	Rosen Center	\$0	\$0	\$0	\$0	\$0	\$0
	SEST, Rohwer	\$620	\$0	\$0	\$620	\$0	\$620
	SWRE, Hope	\$0	\$0	\$0	\$0	\$0	\$0
	VGSS, Kibler	\$0	\$0	\$0	\$0	\$0	\$0
	FRSS, Clarksville	\$0	\$0	\$0	\$0	\$0	\$0
	LFST, Batesville	\$0	\$0	\$0	\$0	\$0	\$0
	CSES Greenhouse, Fayetteville	\$0	\$0	\$0	\$0	\$0	\$0
		<b>M &amp; O Total</b>	<b>\$1,315</b>	<b>\$1,812</b>	<b>\$0</b>	<b>\$3,127</b>	<b>\$0</b>
	<b>Total for Proposal</b>	<b>\$11,000</b>	<b>\$5,700</b>	<b>\$0</b>	<b>\$16,700</b>	<b>\$0</b>	<b>\$16,700</b>

*Budget errors delay submission of your proposal. Any proposal submitted with errors in the budget cannot be guaranteed accurate presentation for funding. Please check budgets for accuracy.*

Fringe Benefit Rates (as of 7/1/2022)				
Campus	Fulltime	Temp/Hourly	Graduate	Student
AES	31.60%	7.90%	4.20%	0.70%
CES	31.60%	7.90%	4.20%	0.70%

*Complete the following section ONLY if the project will be considered for an Ecosystem.*

Ecosystems (Rice Only)		%	Spurlock, Terry			Total
			Kelley, Jason	Bateman, Nick		
	Grand Prairie	0%	\$0	\$0	\$0	\$0
	Mississippi Delta		\$0	\$0	\$0	\$0
	White River		\$0	\$0	\$0	\$0
	<b>Totals</b>	<b>0%</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

*Must match the proposal total.*



**PROPOSAL ROUTING FORM  
FOR COMMODITY CHECK-OFF FUNDS**

Division of Agriculture  
Commodity (Check One)

PI Name: Terry Spurlock  
 Co-PI Name: Jason Kelley  
 Co-PI Name: Nick Bateman  
 Co-PI Name: \_\_\_\_\_

Beef Council	<input type="checkbox"/>	Corn/Grain Sorghum	<input type="checkbox"/>
Cotton	<input type="checkbox"/>	Rice	<input type="checkbox"/>
Soybean	<input type="checkbox"/>	Wheat	<input checked="" type="checkbox"/>
Soil	<input type="checkbox"/>	Peanut	<input type="checkbox"/>

Proposal Title: Pest Management Using Recommended Wheat Varieties

All investigators have read and understood UA's conflict of interest policies and the Disclosure of Financial Interests Related to Sponsored Projects, have made all financial disclosures required by them, and prior to the expenditure of any award funds shall have reached an agreement with the Division of Agriculture which provides for conditions or restrictions necessary to manage, reduce, or eliminate significant financial conflicts of interest.

The proposal submitted herewith is (1) complete in its technical content, (2) adheres to the rules of proper scholarship, including specifically the proper attribution and citation for all text and graphics, (3) complies with federal standards for the integrity of research (e.g., NSF/NIH Misconduct in Science Policy), and (4) is in accordance with specifications established by the sponsoring agency. This proposal will be withdrawn at a later date if subsequent review reveals that the proposal is incomplete, contains errors, inaccuracies, misrepresentations, or does not conform to UA or sponsoring agency requirements.

If the proposal submitted herewith is funded and accepted by the Division of Agriculture, the PI and co-PIs will conduct the project in accordance with the terms and conditions of the sponsoring agency and the Policies of the Division of Agriculture, and will be fully responsible for meeting the requirements of the award, including providing the proper stewardship of sponsored funds, submitting all required technical reports and deliverables on a timely basis, and properly disclosing all inventions to the University's Intellectual Property Office, in accordance with Federal and Division's Policies.

Each individual signing below is certifying that the facilities/space and other University resources necessary to complete the proposed project are available to the project, or provisions have been arranged with Department/College to make such space or other University resources available in the event an award is made.

Each individual signing below is certifying to the best of their knowledge and belief that they have not defaulted on any federal debt nor are they currently prohibited through debarment, suspension, indictment or voluntary exclusion from receiving funds from any federal department or agency (Executive Order 12549). If you are unable to sign this statement please notify the Business Office.

Will project involve recombinant DNA, Human Subjects, or living vertebrate animals? No  Yes

Principal Investigator(s) submitting this proposal certify that a preliminary plan of work (per Division of Agriculture guidelines for "Conducting Research at Off-Campus Locations" PMGS 95-4 has been approved. The PI and Station Director have reached a satisfactory agreement for station support allocations.

**Signatures**

PI:	<u>Terry Spurlock</u>	Unit	<u>ENPL</u>	Date	<u>5/29/2024</u>
Co-PI:	<u>Jason Kelley</u>	Unit	<u>CSES</u>	Date	<u>5/29/2024</u>
Co-PI:	<u>Nick Bateman</u>	Unit	<u>ENPL</u>	Date	<u>5/29/2024</u>
Co-PI:	_____	Unit	_____	Date	_____
Station Director:	<u>Linda R. Martin</u>	Unit	<u>SEST</u>	Date	<u>5/31/2024</u>
Station Director:	<u>Joe Medlee</u>	Unit	<u>CTST</u>	Date	<u>5/29/2024</u>
Station Director:	_____	Unit	_____	Date	_____
Station Director:	_____	Unit	_____	Date	_____
Dept. Head/Unit Head:	<u>Bob C. H.</u>	Unit	<u>ENPL</u>	Date	<u>5/29/2024</u>
Dept. Head/Unit Head:	<u>Trist Roberts</u>	Unit	<u>CSES</u>	Date	<u>5/29/2024</u>



# WHEAT BREEDING ACTIVITIES 2023-2024

# ARGA09485-10-1

Keiser	Marianna	Pine Tree	Rohwer	Overall
76.9	77.3	89.3	80.4	81.7

## Notable Genes:

- Fhb\_1B\_Jamestown
- Rht\_D1b
- Yr4BL
- Sbm1

7 **ARGA09485-10-1**

**U of A**  
DIVISION OF AGRICULTURE  
RESEARCH & EXTENSION  
University of Arkansas System



## AR11051-15-3

Keiser	Marianna	Pine Tree	Rohwer	Overall
80.5	64.9	87.3	70.4	75.7

### Notable Genes:

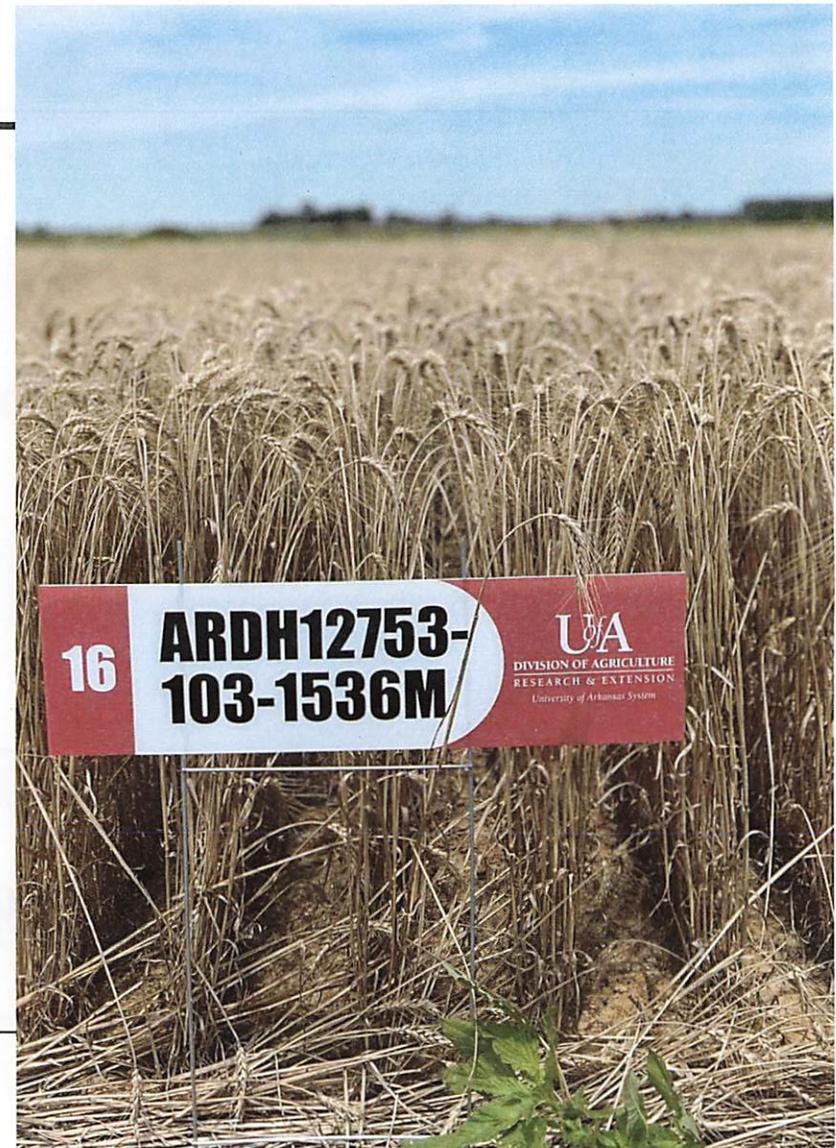
- Rht\_D1b
- Yr4BL
- Yr17\_Lr37\_Sr38
- SBM

---

# ARDH127553-103-1536M

Keiser	Marianna	Pine Tree	Rohwer	Overall
65.6	70.8	85.7	83.0	76.3

- ✓ Double haploid
- ✓ Notable Genes:
  - Fhb\_1B\_Jamestown
  - Fhb\_4A\_Neuse
  - Sbm1



---

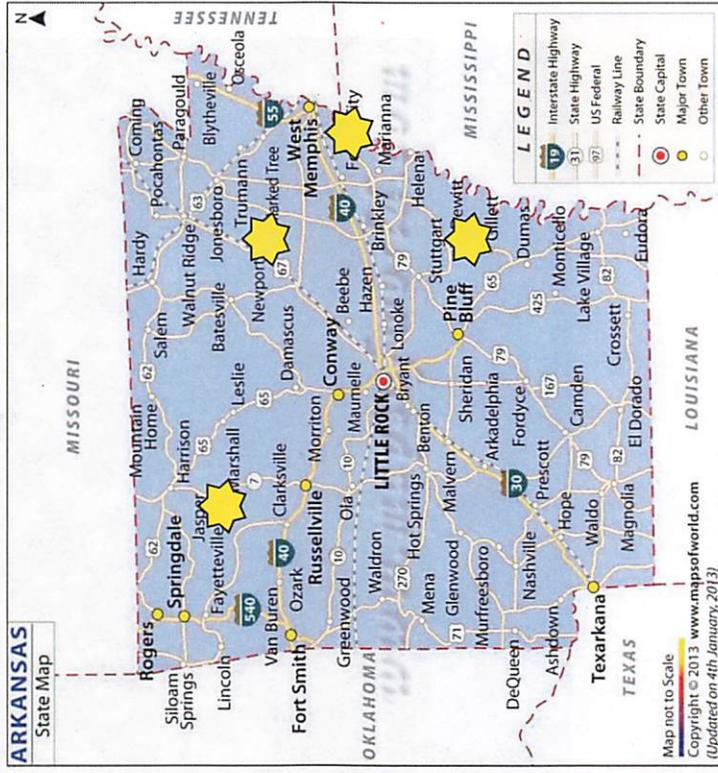
## **GERMPLASM:ARLA09137UC-17-2**

- **Initiated:** LA95135 x GA001170-7E26 in LSU
- **Time development:** 2014-2023
- **Yield:** 71.9 bu A-1
- **Phenotypic characteristics:**
  - ✓ Early maturing with excellent adaptation to the Arkansas environment
  - ✓ 36 inches, 37 g/1000 seeds
  - ✓ moderate tolerance to FHB



# 2023 ACTIVITIES

- 70 F1
- 156 F2
- 240 F3
- 60 F4
- 500 F5
- 1201 F6
- 134 Yield
- 150 DH
- 32 lines multi-state trials, 3 lines AR state trial



---

# Multi-State Trials

- Collaborate with SunGrain consortium
- Submitted 32 lines.
- Sun-Pre- LSU (240 lines)
  - ✓ **AR18320LDH019** Top 4
  - ✓ **AR15059-169** Top 9
  - ✓ **AR15621-1** Top 16
- Sun-Pre- GA (240 lines)
  - ✓ **AR15760-1** Top 6
  - ✓ **AR18320LDH019** Top 10
  - ✓ **AR15729-2** Top 19



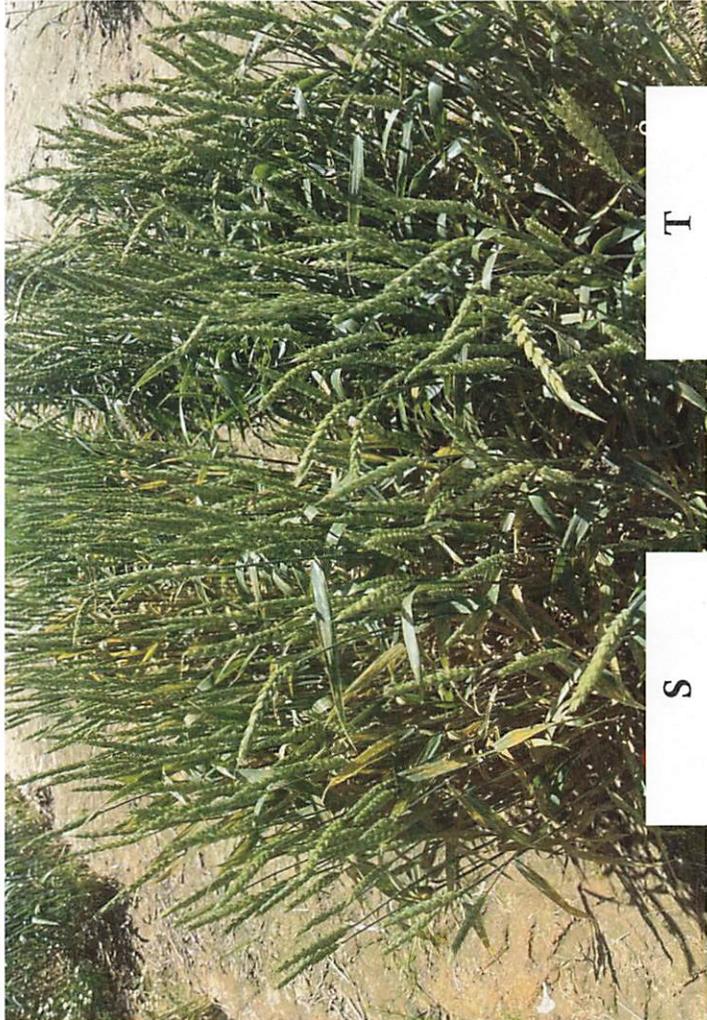
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# DISEASE TEST

Scab: Fayetteville, Newport



Stripe Rust: Marianna



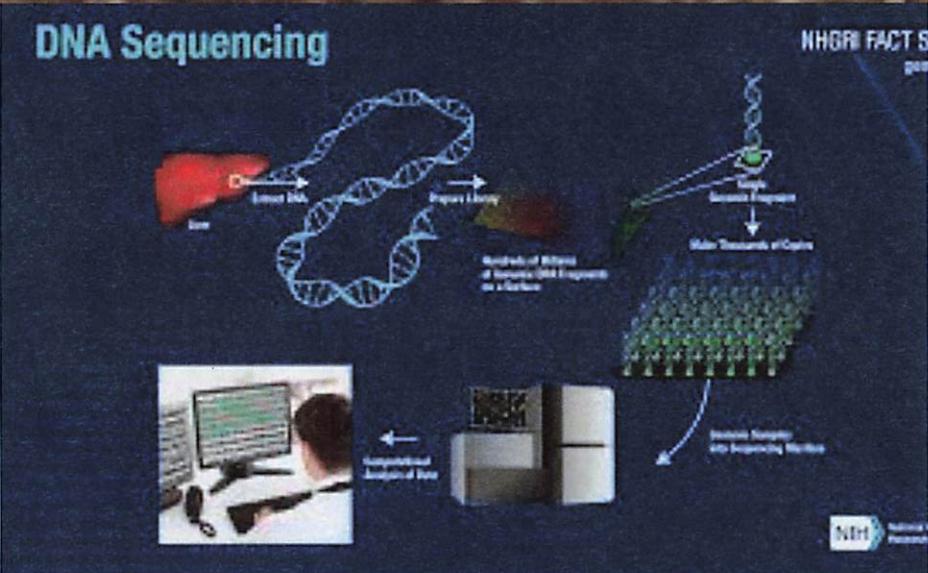


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## STRATEGY-2024

- Expenses (travel, labor, materials)
- Method → Bulk selection method
  - Labor
  - Save time
  - Mechanization

Combine  
GBS  
Drone





---

## APPLICATION OF DRONE

Collaboration with Mr. Grant Beckwith

Identify high-yield lines via imaging and proper Lens

Determine suitable distance for taking images

---

# WHEAT FIELD TOUR

- May 10, 2024
- 21 New wheat lines from SunGrain Consortium
- 3 lines from AR.



---

# THANK YOU

- Arkansas Wheat Promotion Board
- UADA System- Little Rock
- All directors and personnel:

CSES

Stuttgart

Fayetteville

Marianna

New Port

---





**DIVISION OF AGRICULTURE**  
**RESEARCH & EXTENSION**

*University of Arkansas System*

**Pest Management Using Recommended Wheat Varieties**  
**2024-2025**

**Drs. Terry N. Spurlock, Jason Kelley, and Nick Bateman**

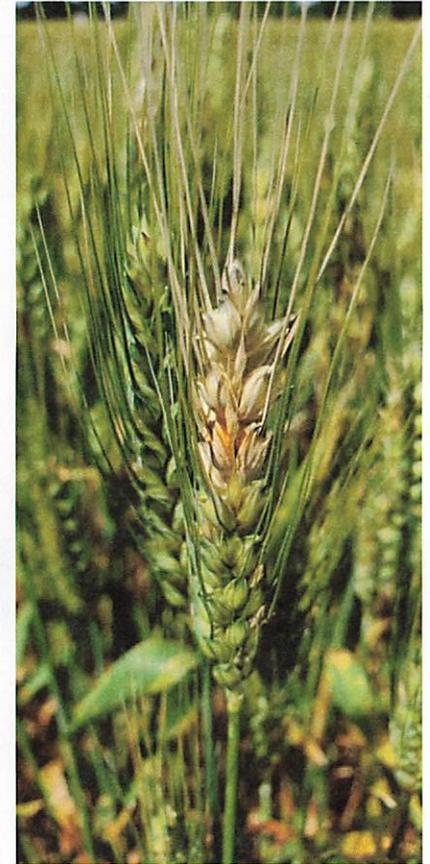
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# Pest Management Using Recommended Wheat Varieties

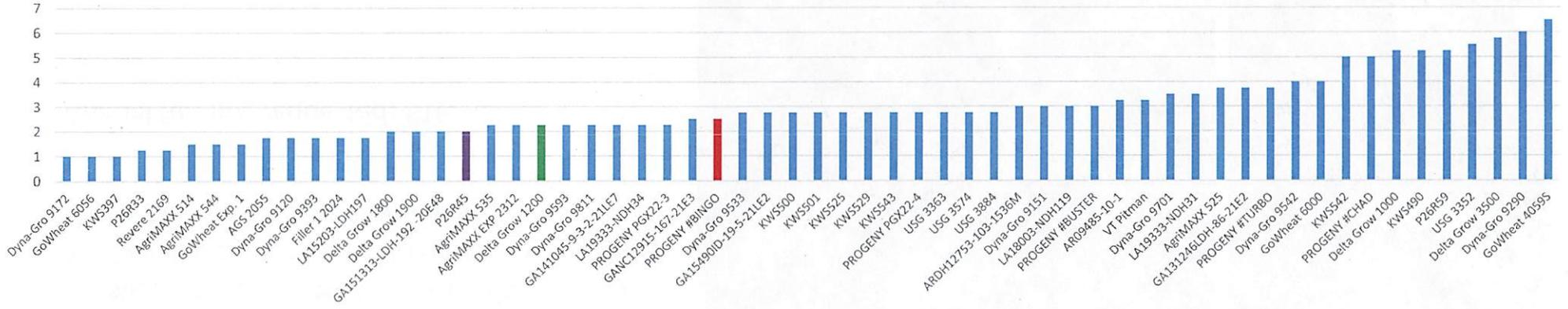
## Specific Objectives:

1. Create a list of recommended wheat varieties using results from the Arkansas Wheat Variety Testing Program.
2. Determine the economic value of a single scab preventative fungicide application on a resistant variety and varieties known to be susceptible to scab, leaf rust, and stripe rust.
3. Develop an economic threshold for rice stink bug in wheat using a sweep net.

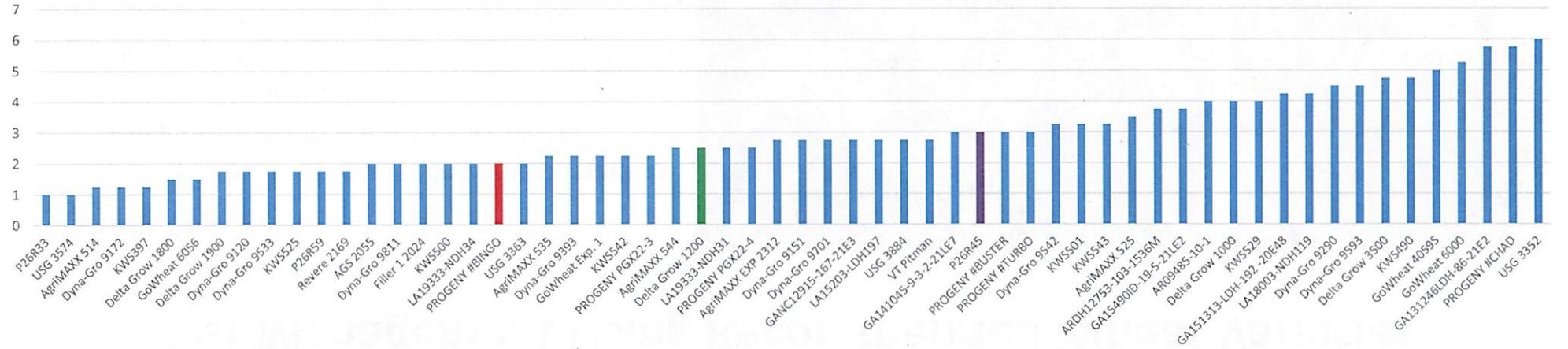
**Annual funding requested: \$16,700**



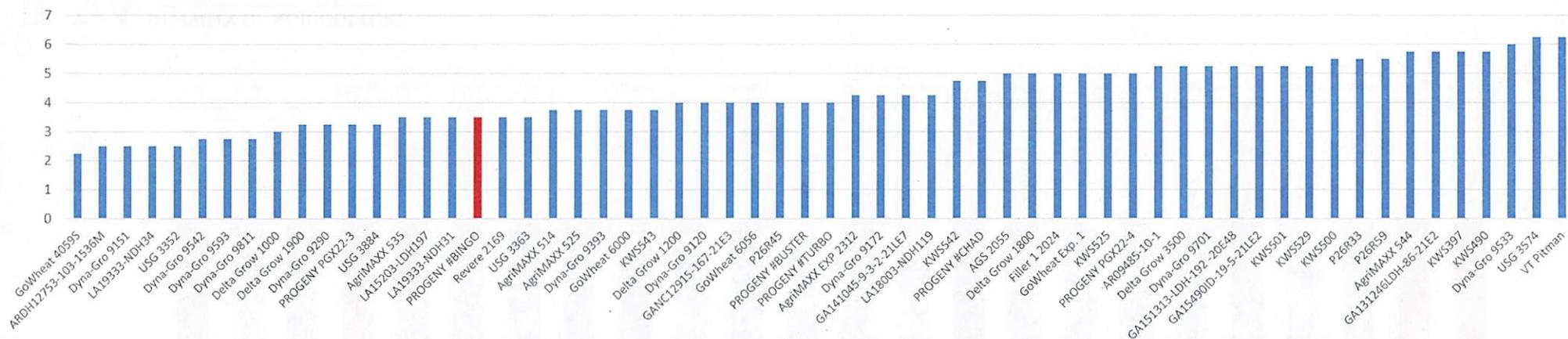
### Marianna Scab



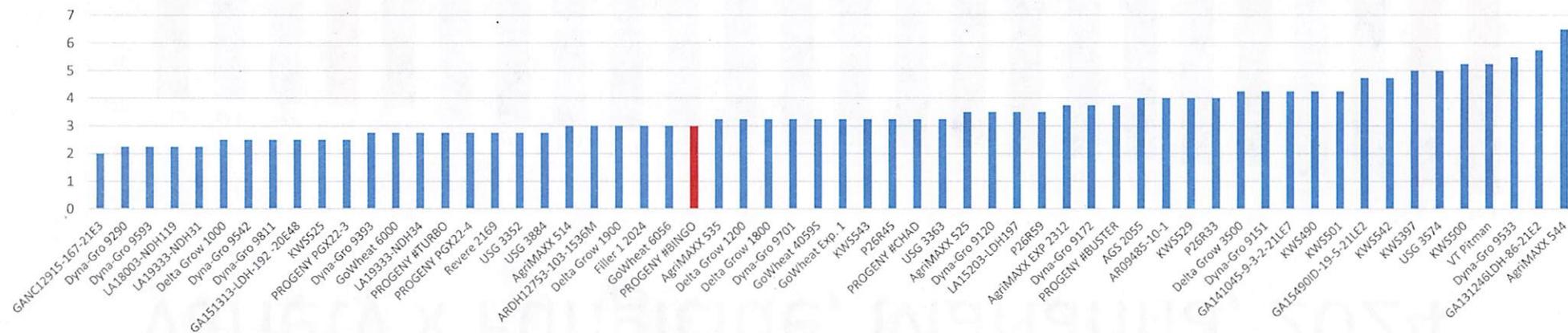
### Pine Tree Scab



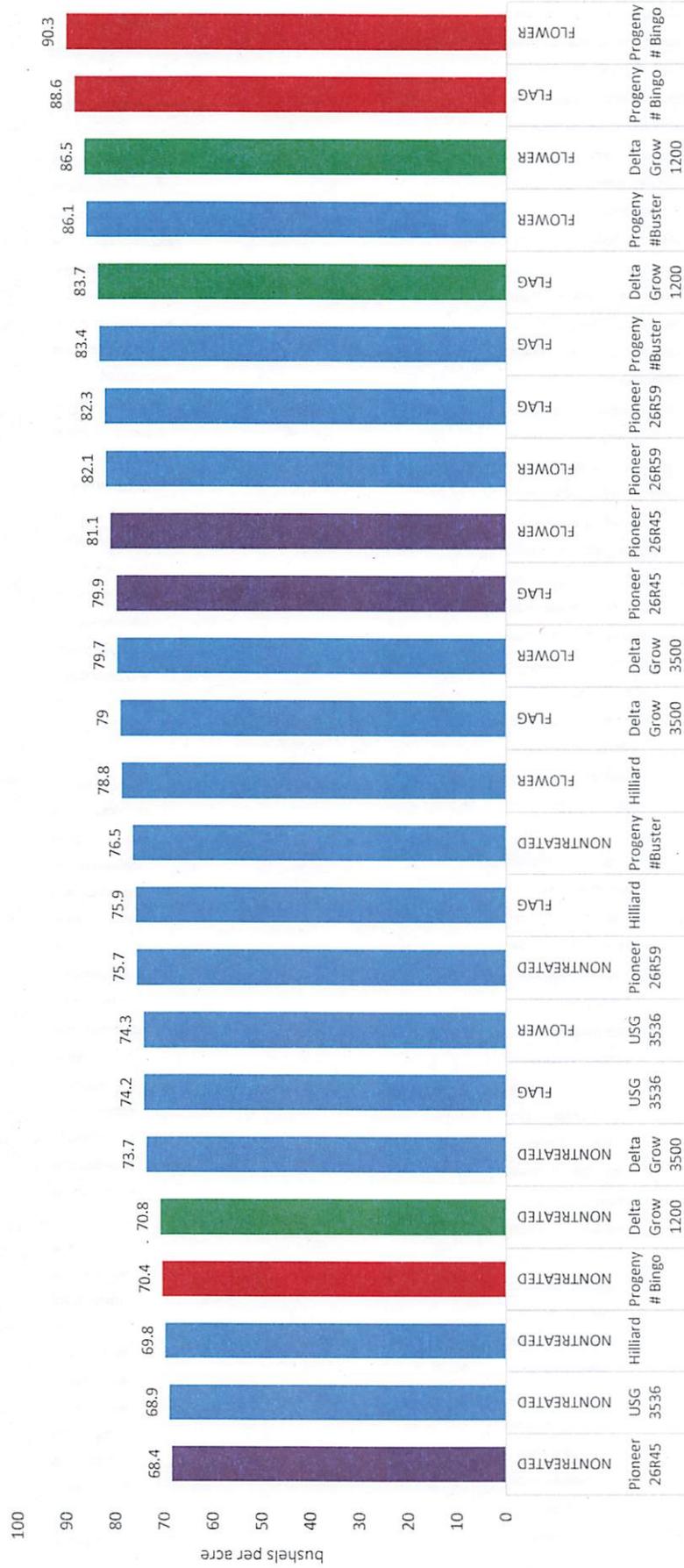
### Kibler Stripe rust



### Rohwer Stripe rust



# Variety x Fungicide, Marianna, 2024



LSD = 5.7

# Arkansas Rows Crops Blog Article

For the selection process, let's consider what would be important and how those characteristics might be prioritized in the list below.

1. Included in the last two years of the variety testing program.
2. In the 'higher yielding' group across all locations for both years.
3. Low Fusarium head blight.
4. Low stripe rust.
5. Lower levels of Septoria.

The screenshot shows the top navigation bar with 'Quick Links', 'Division of Agriculture', and 'Agricultural Experiment Station'. Below is the 'ROW CROPS' logo and 'UofA' branding. A search bar is present with the text 'Search Crops Blog'. The main content area features the article title 'A process for choosing wheat varieties to manage disease in 2023' by Dr. Terry Spurlock and Dr. Jason Kelley. A 'Subscribe' section offers options for post updates, newsletters, and SMS updates. A 'Key Points' section lists three main considerations for wheat variety selection. At the bottom, there are two photographs: one showing wheat heads with blight and another showing a close-up of a wheat leaf with rust lesions.

Quick Links ▾ Division of Agriculture Agricultural Experiment Station

ROW CROPS blog UofA DIVISION OF AGRICULTURE RESEARCH & EXTENSION University of Arkansas System

Q Search Crops Blog SEARCH

FARM & RANCH ▾ YARD & GARDEN ▾ BUSINESS & COMMUNITIES ▾ ENVIRONMENT & NATURE ▾ LIFE SKILLS & WELLNESS ▾ 4-H & YOUTH ▾

Arkansas Rows Crops / Posts / A process for choosing wheat varieties to manage disease in 2023

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## A process for choosing wheat varieties to manage disease in 2023

by Dr. Terry Spurlock, Extension and Research Plant Pathologist and Dr. Jason Kelley, Extension Feed Grains Agronomist - August 28, 2023

### Key Points

- Commonly occurring diseases of wheat can be managed with an integrated approach.
- Choosing wheat varieties that demonstrate genetic resistance to diseases of concern should be the primary focus of an integrated approach.
- Between flag leaf emergence and full flowering, the weather in Arkansas is often conducive for disease development.
- Using the data from variety testing program trials, this article demonstrates a strategy for choosing varieties that will likely aid in management of economically important wheat diseases.

### Economically Important Wheat Diseases in Arkansas (The Big Three)

Wheat disease management in Arkansas typically deals with three diseases, Fusarium head blight (scab), stripe rust (Figure 1), and Septoria tritici blotch (Figure 2). That's not to suggest that other diseases such as bacterial streak and leaf rust aren't important or can't be damaging given a susceptible variety and the right environment, but those three seem to occur more often and are more often severe. Recently, meaning the last two seasons, Arkansas has experienced low pressure from scab and stripe rust, which is likely due to the environment. This could all change next year. Because disease severity is driven by weather, and weather can't be reliably predicted months in advance, disease severity is never really known until we are in the crop year itself. For this reason, we want to do as much as we can to prepare for these 'big three' prior to putting a seed in the ground this fall. This becomes much easier for any crop once we have identified the diseases that should scare us. In wheat, we will begin our variety selection process with these big three.



# VARIETY LISTS FOR 2023 - 2024

VARIETY	PINE TREE		ROHWER		KIBLER		KEISER		MARIANNA	ALL LOCATIONS 2022	ALL LOCATIONS 2023
	FHB 2022	SEP 2023	FHB 2022	SEP 2023	FHB 2022	SEP 2023	BLS 2023	SEP 2023	YIELD (bu/A)	YIELD (bu/A)	
Delta Grow 1200	4.25	3	0.75	5	1.25	2.25	1.5	4.25	93.8	92.9	
Delta Grow 1000	2	2.75	1.5	5.5	1.2	3.75	4.25	4.25	86.3	86.3	
PROGENY #BINGO	2.75	3.5	1.5	5.25	1	3.0	1.75	3.5	89.5	90.4	
PROGENY #TURBO	1.5	3	1.25	5.5	1	3.25	2	4.5	89.9	84.1	
Dyna-Gro 9120	1.25	5.25	1	4.75	1	3.5	0.5	5.25	89.9	78.9	
AgriMAXX 514	1.5	6.25	1.25	5	1	3	0.5	4.25	89	87.4	
Delta Grow 1800	1.5	5.5	1.5	8	1.75	4.25	1.5	7	85.1	77.3	
Dyna-Gro 9701	1.75	1.75	0.75	6.25	1	3.25	2.5	3.5	83	85.6	
Dixie Brown	1.75	2.25	1	5	1	3.25	1.75	3.75	80.8	86.4	
AgriMAXX 473	1.5	2.25	0.5	5.25	1.75	4	3.75	4.25	80.3	84.8	
AVERAGE	2.75	4.09	1.19	5.6	1.4	3.7	1.96	5.2	82.6	81.7	
HIGH	6.3	9.0	3.5	8.5	3.3	9.0	8.0	9.0	93.8	92.9	
LOW	1.0	1.5	0.3	2.0	1.0	0.0	0.0	1.0	65.2	58.8	

Disease data were collected using a scale of 0-9 where 9 indicated the most severe disease.

FHB - Fusarium head blight, SEP - Septoria tritici blotch, BLS – Bacterial leaf streak

# Arkansas Wheat Promotion Board intro to NAWG





# Chandler Goule

Chief Executive Officer





# NAWG Overview

---

- NAWG is the primary representative in Washington D.C. for wheat growers, working to ensure a better future for America's growers, the industry and the general public.
- NAWG works with a team of 20 state wheat grower organizations to benefit the wheat industry at state and national levels.
- Our mission is "uniting wheat farmers to promote policy efforts that create an environment that is conducive to the success of wheat farming in the United States."

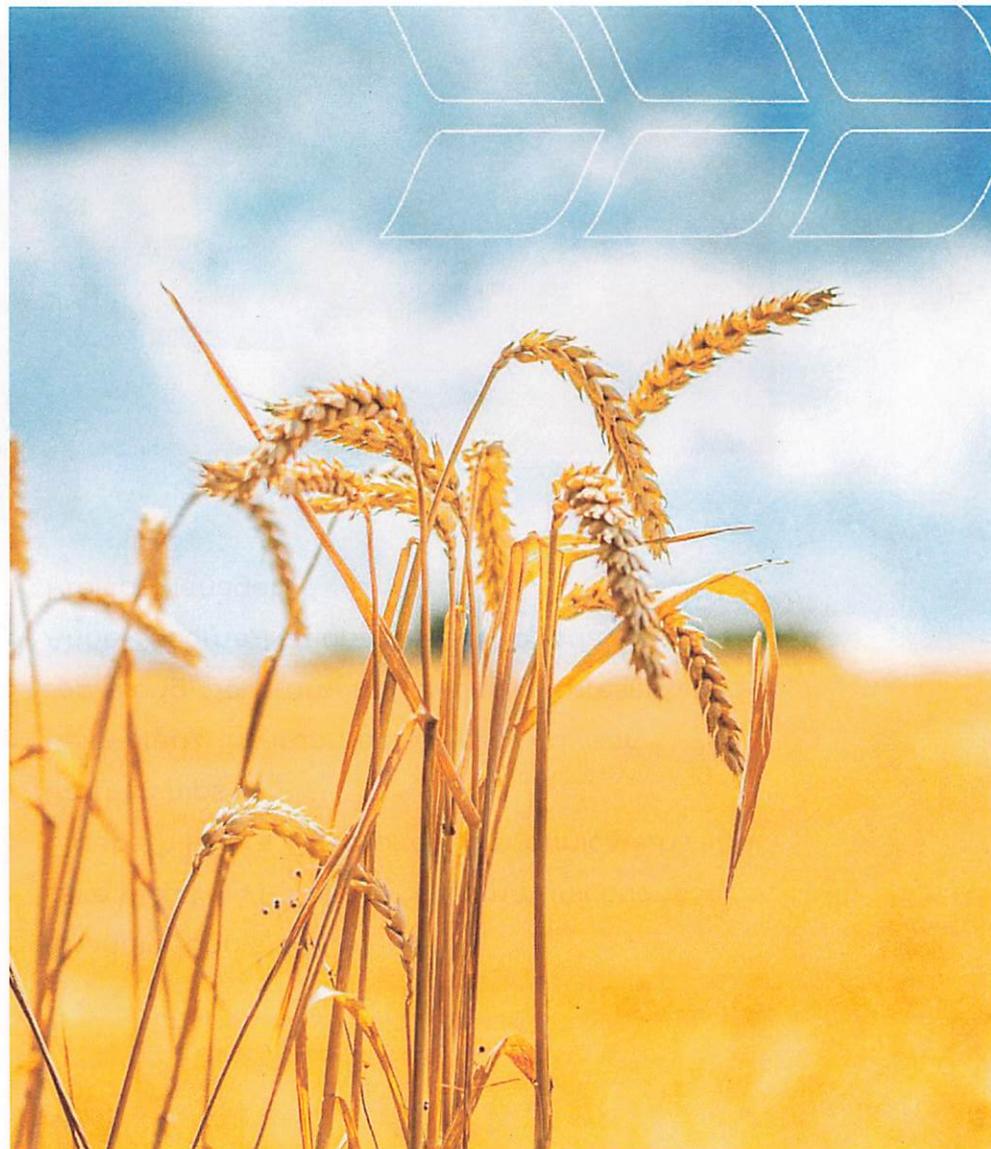




## How NAWG and AR Wheat can benefit each other.

---

- Membership as a full NAWG dues paying member: \$6,000.
- Benefits: two board seats, national voice, relationships with key lawmakers and administration officials.
- Primary Policy Objectives: Farm bill development and implementation, trade polies and market promotion funding, environmental issues and regulation, transportation policies, research funding and new technologies in wheat.
- Ability to set policy and bring Arkansas perspectives to the national conversation.



# Meet the NAWG Team...



- Chandler Goule, CEO
- Jake Westlin, VP Policy and Communications
- Elizabeth Rivera, Director of Communications and Partnerships
- Keira Franz, Environmental Policy Advisor
- Jack Long, Government Relations Representative
- Anne Osborne, National Wheat Foundation Project Manager



# Meet the NAWG & NWF Officers...



**NAWG** NATIONAL ASSOCIATION  
OF WHEAT GROWERS

## NAWG Officers

- Keeff Felty, President
- Pat Clements, Vice President
- Jamie Kress, Treasurer
- Nathan Keane, Secretary
- Brent Cheyne, Past President

## NWF Officers

- Bernard Peterson, Chairman
- Scott Brown, Vice Chairman
- Gary Broyles Secretary/Treasurer



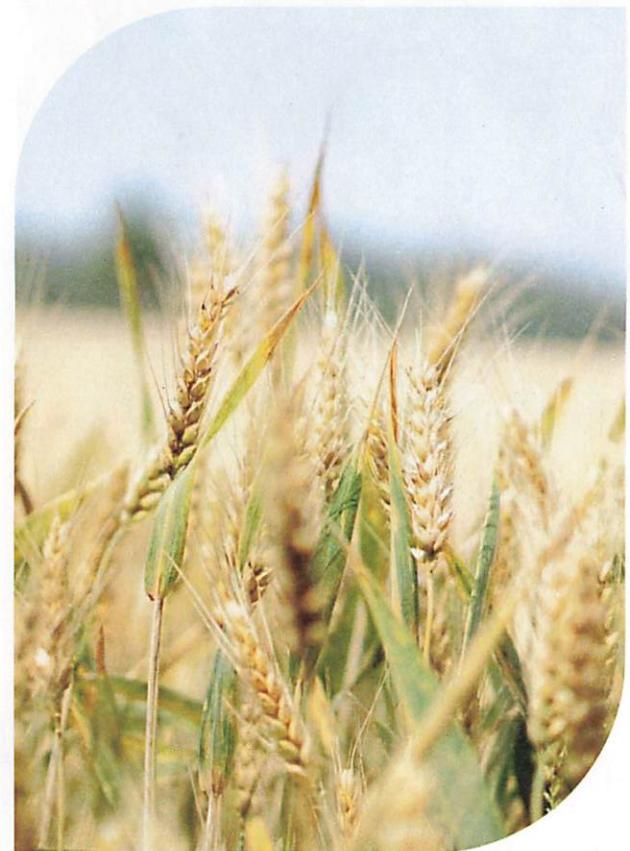
# Ongoing National Level Projects & Organizational Update

- NAWG, NWF, and USW are proceeding with a wheat Life Cycle Assessment.
- Ongoing conversations regarding climate and agriculture's role in sustainability metrics
  - Sustainable Markets Initiative (in NYC) and PepsiCo (in DC and Texas)
- Continued development of the Industry Partners Program
- NAWG strategic plan
- Planning NAWG 75<sup>th</sup> Anniversary in 2025
- Membership Development – Illinois Wheat

# Policy Issues and Engagement

## Federal Legislation and Regulatory Outlook

- Transportation – Rail, Waterways, and Surface Transportation
- Education on Crop Protection Tools – FIFRA and ESA
  - Ag Labeling Uniformity Act (HR 4288)
  - ESA Workplans (vulnerable species pilot project, herbicide and insecticide strategy)
- Clean Water Act – WOTUS and SCOTUS
- Trade
  - India WTO Compliance
  - China PNTR
- FY24/25 Appropriations Process
- Farm Bill, Farm Bill, and Farm Bill
  - Crop Insurance
  - Title I
  - Conservation
  - Trade – MAP/FMD
  - Food Aid
  - Research



# Policy Issues and The Farm Bill

## NAWG Priorities and the State of Play

- NAWG Priorities
  - Protect and Enhance Crop Insurance
  - Securing a MEANINGFUL PLC Reference Price Increase [*Currently \$5.50*]
  - Trade Title – Doubling Funding for MAP/FMD [*Currently funded at \$200m and \$34.5m respectively*]
  - Conservation
    - Continuing support for conservation financial and technical assistance resources
    - Keeping programs voluntary and recognizing the different production systems in wheat country
    - Opposing increased conservation compliance on farmers.
- Obstacles Ahead in the Process
  - Congressional Budget Office Delays
  - Debt Ceiling Deal, Additional Resources, and the Budget Realities of the Farm Bill
  - Base Acres Debate
  - Permanent Disaster Aid
  - Politicking and 2024 Elections



# Policy Issues and The Farm Bill

## Title I – Commodity Title

Commodity	Current SRP	New House SRP	% Increase
Rice	\$ 14.00	\$ 16.90	20.71%
Dry Peans	\$ 11.00	\$ 13.10	19.09%
Large Chickpeas	\$ 21.54	\$ 25.65	19.08%
Soybeans	\$ 8.40	\$ 10.00	19.05%
Small Chickpeas	\$ 19.04	\$ 22.65	18.96%
Lentils	\$ 19.97	\$ 23.75	18.93%
Other oilseeds	\$ 20.15	\$ 23.75	17.87%
Peanuts	\$ 535.00	\$ 630.00	17.76%
Wheat	\$ 5.50	\$ 6.35	15.45%
Seed Cotton	\$ 0.37	\$ 0.42	13.51%
Sorghum	\$ 3.95	\$ 4.40	11.39%
Corn	\$ 3.70	\$ 4.10	10.81%
Oats	\$ 2.40	\$ 2.65	10.42%
Barley	\$ 4.95	\$ 5.45	10.10%





**“The commodity, crop insurance, and trade programs play an important role in preserving rural economies, keeping food supplies stable, and keeping farmers on their family land”**

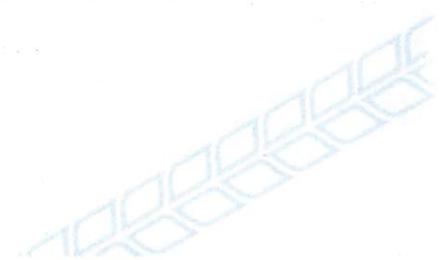
— Brent Cheyne

# National Wheat Foundation Update



## 501c3 supporting and strengthening the US Wheat Industry

- National Wheat Yield Contest
  - 9<sup>th</sup> year
  - 28 partners close to 500 entries
  - Emphasis on Yield, Quality, Profit including end-user quality
  - Thanks to US Wheat for support of the quality analysis of the winners' wheat samples
- Leadership Programs
  - NAWG, US Wheat, State staff
  - Advocacy, public speaking, leadership, communication
- Wheat Farm Tour and Wheat 101
  - Educating congressional staff and USDA employees about the wheat industry
- Partners welcome Contact Anne Osborne ([aosborne@wheatworld.org](mailto:aosborne@wheatworld.org)) or Chandler Goule for more information





## Upcoming Meetings

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- Farm Bill Hill Visits June 11-12 and September 10-11, Washington, DC
- NAWG/USW Fall Conference from November 10-14, Phoenix, AZ
- NAWG Annual Conference/USW Winter Meeting from January 13-16, Washington, DC
- Commodity Classic from March 2-4
- NWIC Hill Days in mid-March

# Questions and Discussion

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