### **Grower Needs**

Dennis Pennington Wheat Systems Specialist Michigan State University





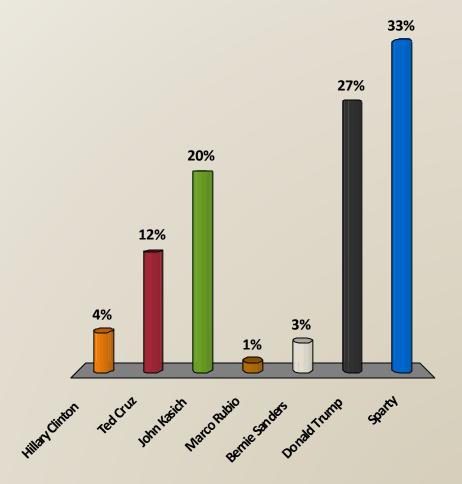
### Instructions

- Press the proper button to answer based on the question
- Make sure the light comes on
- Completely anonymous
- You can press the button as many times as you want, but it only records last response



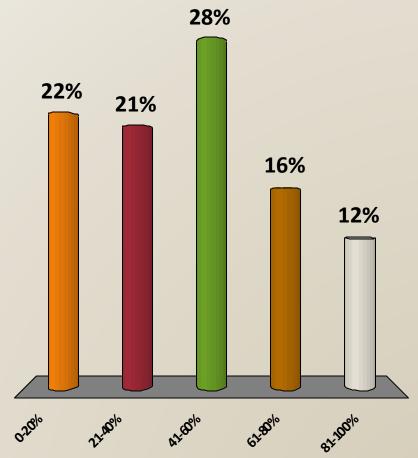
# Who do you think should be elected president?

- A. Hillary Clinton
- B. Ted Cruz
- C. John Kasich
- D. Marco Rubio
- E. Bernie Sanders
- F. Donald Trump
- G. Sparty



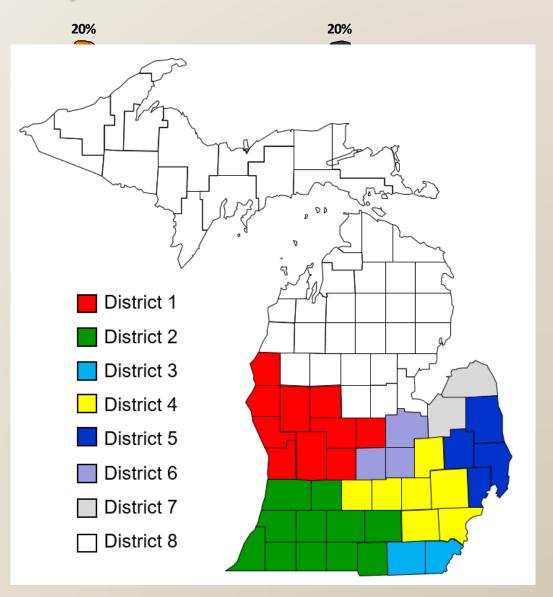
What are the chances you think there will be an opportunity to lock in a profit in wheat in 2016?

- A. 0-20%
- B. 21-40%
- C. 41-60%
- D. 61-80%
- E. 81-100%



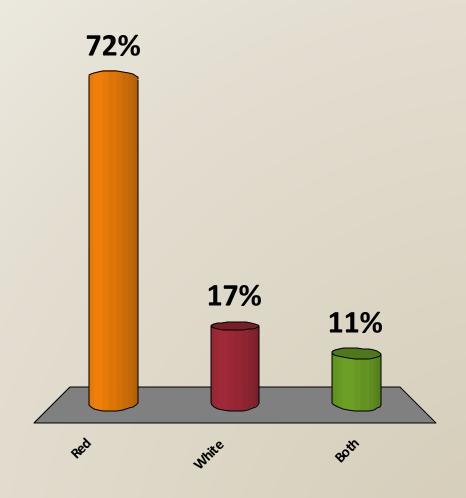
### In which district do you live?

- A. 1
- B. 2
- **C**. 3
- D. 4
- E. 5
- F. 6
- G. 7
- H. 8



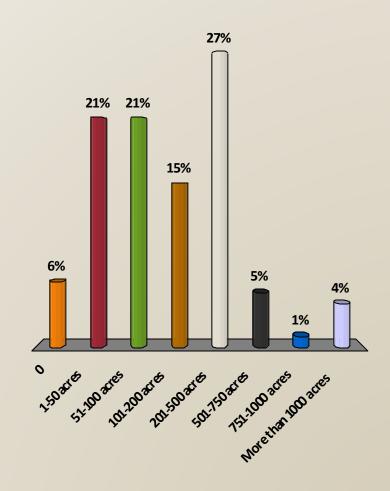
## Which type of wheat do you grow?

- A. Red
- B. White
- C. Both



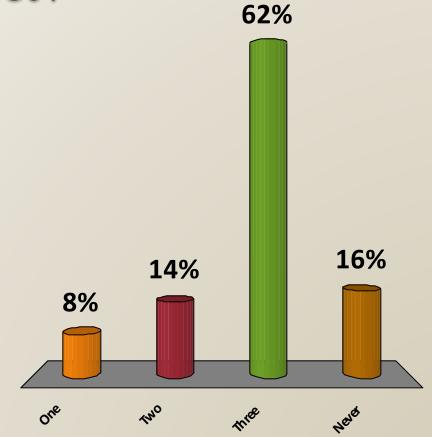
# How many acres of wheat do you grow?

- **A.** 0
- **B.** 1-50 acres
- c. 51-100 acres
- D. 101-200 acres
- E. 201-500 acres
- **F.** 501-750 acres
- G. 751-1000 acres
- H. More than 1000 acres



In the last 3 years, how many years have you applied a fungicide to control head scab and leaf diseases?

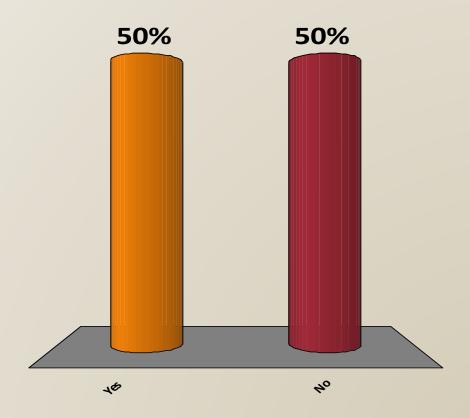
- A. One
- B. Two
- C. Three
- D. Never



Do you normally apply an EARLY season fungicide to control diseases such as powdery mildew and leaf spot?

A. Yes

B. No

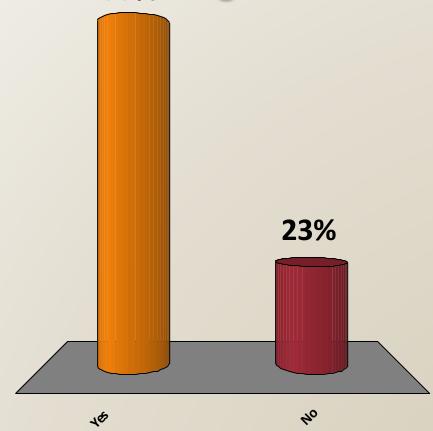


Do you normally apply a LATE season fungicide to protect the flag leaf and

head?

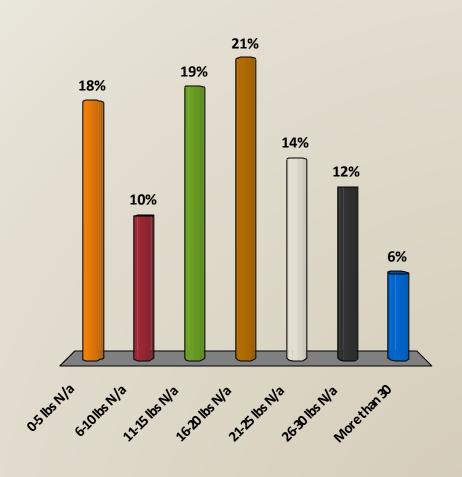
A. Yes

B. No



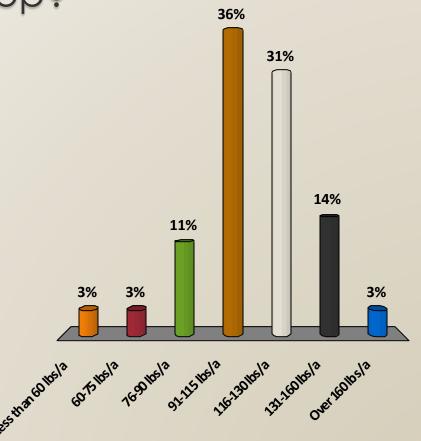
# Which best describes the amount of nitrogen you put on at planting?

- A. 0-5 lbs N/a
- B. 6-10 lbs N/a
- c. 11-15 lbs N/a
- D. 16-20 lbs N/a
- E. 21-25 lbs N/a
- F. 26-30 lbs N/a
- G. More than 30



Which answer below most closely describes how much **total nitrogen** you put on your wheat crop?

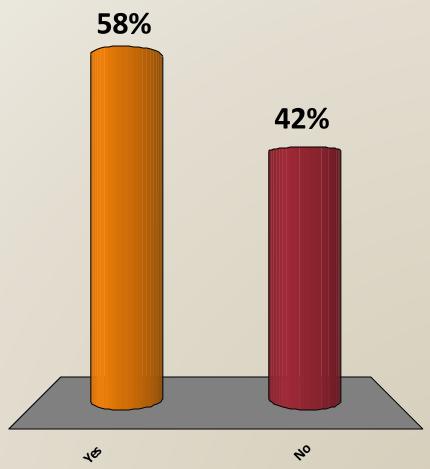
- A. Less than 60 lbs/a
- B. 60-75 lbs/a
- c. 76-90 lbs/a
- D. 91-115 lbs/a
- E. 116-130 lbs/a
- F. 131-160 lbs/a
- G. Over 160 lbs/a



In 2016, do you plan to split your nitrogen application?

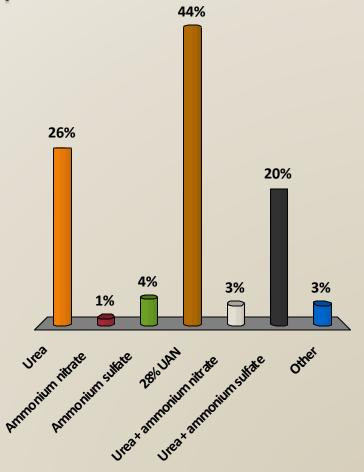
A. Yes

B. No



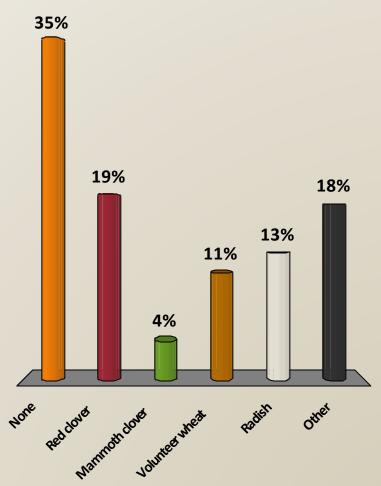
# What source of nitrogen to you use in the spring at greenup?

- A. Urea
- B. Ammonium nitrate
- C. Ammonium sulfate
- D. 28% UAN
- E. Urea + ammonium nitrate
- F. Urea + ammonium sulfate
- G. Other



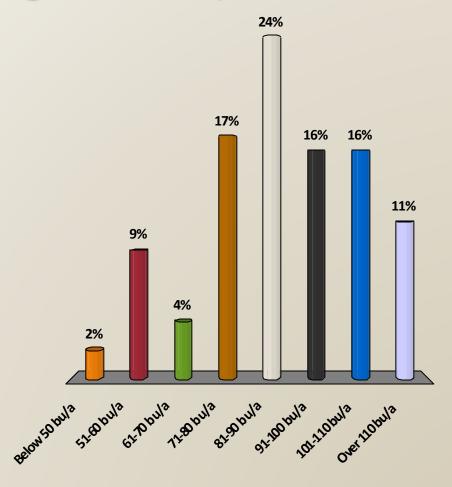
What cover crop do you grow after wheat?

- A. None
- B. Red clover
- C. Mammoth clover
- D. Volunteer wheat
- E. Radish
- F. Other



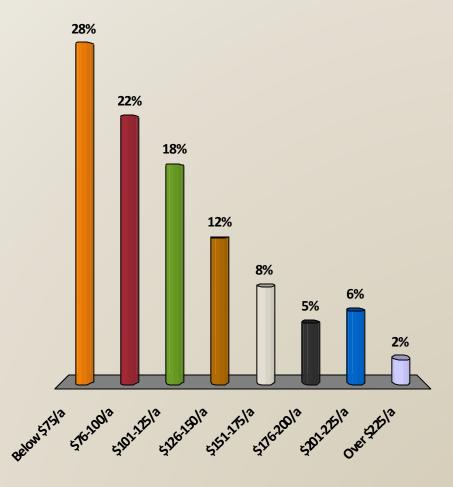
## Which below most accurately describes your 2015 farm average wheat yield?

- A. Below 50 bu/a
- B. 51-60 bu/a
- c. 61-70 bu/a
- D. 71-80 bu/a
- E. 81-90 bu/a
- F. 91-100 bu/a
- G. 101-110 bu/a
- H. Over 110 bu/a



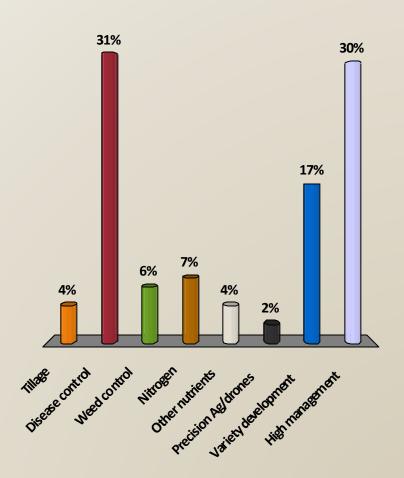
# What is the average rent you pay per wheat acre?

- A. Below \$75/a
- B. \$76-100/a
- c. \$101-125/a
- D. \$126-150/a
- E. \$151-175/a
- **F.** \$176-200/a
- G. \$201-225/a
- H. Over \$225/a



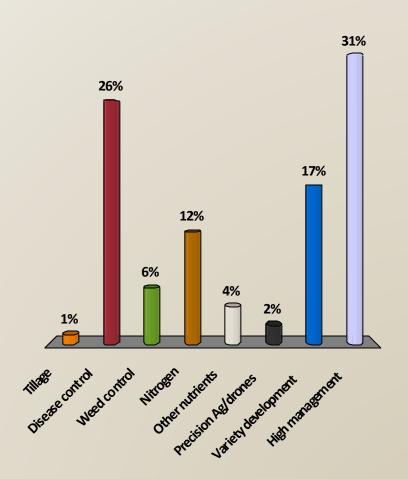
# Of the items listed below, what is your 1<sup>st</sup> priority for wheat research?

- A. Tillage
- B. Disease control
- c. Weed control
- D. Nitrogen
- E. Other nutrients
- F. Precision Ag/drones
- G. Variety development
- H. High management



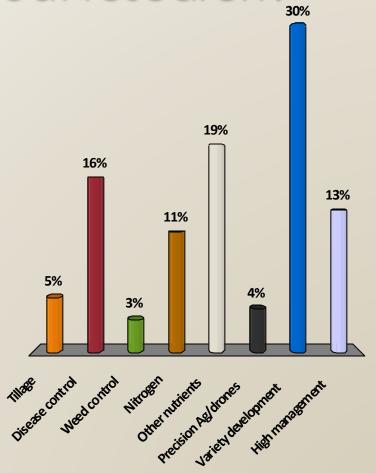
# Of the items listed below, what is your 2<sup>nd</sup> priority for wheat research?

- A. Tillage
- B. Disease control
- C. Weed control
- D. Nitrogen
- E. Other nutrients
- F. Precision Ag/drones
- G. Variety development
- H. High management



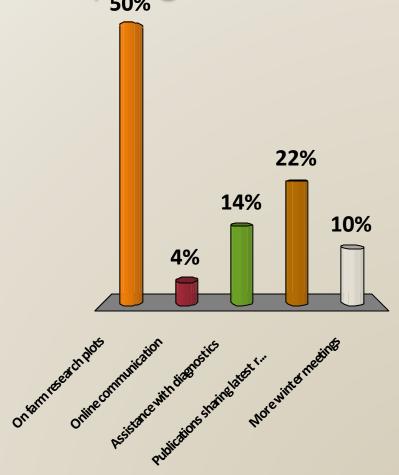
Of the items listed below, what is your 3<sup>rd</sup> priority for wheat research?

- A. Tillage
- B. Disease control
- C. Weed control
- D. Nitrogen
- E. Other nutrients
- F. Precision Ag/drones
- G. Variety development
- H. High management



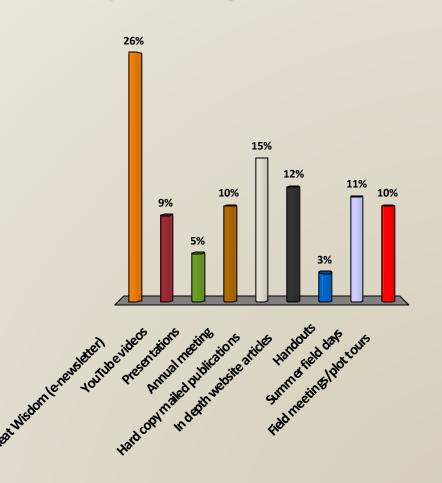
Of the items listed below, what is your 1st priority for wheat extension programs?

- A. On farm research plots
- **B.** Online communication
- C. Assistance with diagnostics
- D. Publications sharing latest research findings
- E. More winter meetings



# How would you like to receive research results (select up to 3)?

- A. Wheat Wisdom (e-newsletter)
- B. YouTube videos
- **C.** Presentations
- D. Annual meeting
- E. Hard copy mailed publications
- F. In depth website articles
- G. Handouts
- H. Summer field days
- I. Field meetings/plot tours



## Want to help?

#### Michigan Wheat Program On-Farm Research Network

Interested in conducting on farm research?

Name:		MICHIGAN WHEAT PROGRAM
Address:		
City:	State: Zip:	
Email:		
Phone:		
Contact: Dennis Pennington, 269-838-8265, pennin34@msu.edu		MICHIGAN STATE   Extension

**THANKS!** 

**DENNIS PENNINGTON** 

PENNIN34@MSU.EDU

269-838-8265