

WHEAT & BARLEY SCAB CONTROL PRACTICES – January 2014

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**NATIONAL
 AGRICULTURAL
 STATISTICS
 SERVICE**



Please make corrections to name, address and ZIP Code, if necessary.

We are collecting information on practices used to control Fusarium Head Blight (Scab) in wheat and barley. We need your help to make this information as accurate as possible. Under Title 7 of the U.S. Code and CIPSEA (Public Law 107-347), facts about your operation are kept **confidential** and used only for statistical purposes in combination with similar reports from other producers. Response is **voluntary**.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0535-0248. The time required to complete this information collection is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

1. Has this operation harvested any wheat or barley for grain in the last five years?

Code
xxx

1 **Yes** – Continue 3 **No** – Sign, date, and return form in postage-paid envelope

Wheat

2. In the last five years, how many years has this operation harvested any wheat for grain?

Years
xxx

(If zero, skip to item 9)

3. Thinking of the last time this operation harvested any wheat for grain, how many acres were harvested?

Acres
xxx

4. Thinking of the last time this operation harvested any wheat for grain, what was the average yield?

Bushels/Acre
xxx

5. Thinking of the last time this operation harvested any wheat for grain, what crop did it follow in rotation?

Crop
xxx

6. Which one of the following was the primary tillage procedure used between the harvest of the preceding crop and the planting of wheat?

- xxx No tillage
- xxx Minimum tillage (chisel, zone-till, other)
- xxx Complete tillage (moldboard)

7. In the last five years, what types of wheat has this operation harvested? (Check all that apply)

- xxx Hard red winter
- xxx Soft red winter
- xxx Soft white winter
- xxx Durum
- xxx Other Spring

8. What three varieties of wheat has this operation planted the most acreage of in the last five years? (Specify below)

Variety: xxx _____ Variety: xxx _____ Variety: xxx _____

Barley

9. In the last five years, how many years has this operation harvested any barley for grain?
(If zero, skip to item 13)

Years
xxx

10. Thinking of the last time this operation harvested any barley for grain, how many acres were harvested?

Acres
xxx

11. Thinking of the last time this operation harvested any barley for grain, what was the average yield?

Bushels/Acre
xxx

12. Thinking of the last time this operation harvested any barley for grain, what crop did it follow in rotation?

Crop
xxx

Fusarium Head Blight (Scab)

13. In the last five years, how many years has Fusarium Head Blight (scab):

Years
xxx
xxx
xxx

- a. Reduced yields on your farm?
- b. Caused a problem with DON (vomitoxin)?
- c. Caused dockage or grain to be rejected?

14. Which of the following practices do you use in order to reduce the amount of damage by scab? (Check all that apply)

- xxx Grow moderately resistant varieties.
- xxx Apply a recommended fungicide with scab as the primary target at heading (barley) or flowering (wheat).
- xxx Rotate so that I never or rarely grow wheat following another small grain or corn crop.
- xxx Grow varieties that differ in flowering dates.
- xxx Stagger planting dates so that the crop does not all flower on the same date.

15. Which of the following barriers have limited your adoption of the above practices? (Check all that apply)

- xxx Information on scab resistance of varieties is not available or timely.
- xxx Seed of scab-resistant varieties is hard to obtain.
- xxx Scab-resistant varieties do not appear to be as high-yielding as more scab-susceptible varieties.
- xxx Information about scab risk is hard to get in a timely way.
- xxx It is hard to determine flowering dates in order to apply fungicide at the right time.
- xxx The most effective scab fungicides are hard to obtain.
- xxx The most effective scab fungicides are too expensive.
- xxx Weather prevents application of scab fungicides at the right time.
- xxx It is difficult to spray fields during the recommended timeframe for logistical reasons (too many acres, not enough time, cannot engage a custom applicator in a timely way).
- xxx Rotations that keep wheat or barley from following corn or small grains are not practical.
- xxx Scab seldom occurs and is not a high priority.
- xxx Other – Specify: _____

16. Which one of the following best describes your use of scab-resistant varieties in the last five years? (Check one)

- xxx All the varieties I grow are considered to be moderately resistant to scab.
- xxx More than 50% of my varieties are considered to be moderately resistant to scab, the rest I select based on other characteristics.
- xxx Less than 50% of my varieties are considered to be moderately resistant to scab, the rest I select based on other characteristics.
- xxx I do not select the varieties based on scab resistance. I select them for other characteristics.
- xxx I do not know the level of scab resistance of the varieties I grow.

17. Which one of the following methods best describes your use of fungicides to control scab in the last five years? (Check one)

- xxx I spray every year, all varieties regardless of the level of resistance of my varieties or environmental conditions.
- xxx I spray only the most susceptible varieties every year and the more tolerant varieties when conditions seem very conducive to scab development.
- xxx I spray only when the weather seems conducive to scab development.
- xxx I spray when the Scab Prediction Model indicates that there is a high risk of scab infection.
- xxx I spray only when my crop consultant suggests that I should spray.
- xxx I spray only when my agriculture retailer suggests that I should spray.

18. In the last five years, have you applied any fungicides yourself for scab control? (**Exclude** custom applications)

- xxx
 1 **Yes** – Continue 3 **No** – Go to item 20

19. Which one of the following best describes how you apply fungicide for scab control? (Check one)

- xxx I use a ground sprayer with the same nozzles I use for herbicide applications.
- xxx I use a ground sprayer with forward and backward facing nozzles.
- xxx I use a ground sprayer with nozzles angled 30 degrees forward.

20. In the last five years, have you hired a custom applicator to apply fungicide for scab control?

- xxx
 1 **Yes** – Continue 3 **No** – Go to item 23

21. The last time you hired a custom applicator to apply fungicide for scab control, was it an aerial or ground application?

- xxx
 1 Aerial 2 Ground

22. Which one of the following best describes why you most recently hired a custom applicator to apply fungicide for scab control? (Check one)

- xxx To allow for more acres to be covered in a limited time.
- xxx Conditions were not favorable for a ground application.
- xxx Other - Specify:

Years
xxx

23. In the last five years, how many years have fungicides been sprayed on at least some of your wheat or barley fields for scab control? (**Include** custom applications)

24. Which fungicide did you apply the last time scab was the primary target?

Specify: _____

25. Which of the following do you consider important **sources** of information about scab development and its control on wheat or barley? (Check all that apply)

SOURCE	Which one of these is your PRIMARY source of information? (Check one)
xxx <input type="checkbox"/> Chemical Companies	xxx <input type="checkbox"/>
xxx <input type="checkbox"/> Crop consultants	xxx <input type="checkbox"/>
xxx <input type="checkbox"/> Extension/University	xxx <input type="checkbox"/>
xxx <input type="checkbox"/> Other farmers	xxx <input type="checkbox"/>
xxx <input type="checkbox"/> Grain buyers	xxx <input type="checkbox"/>

26. Which of the following methods and technologies do you use to receive information on risk or management of scab? (Check all that apply)

METHOD	Which one of these was your PRIMARY method of receiving information? (Check one)
xxx <input type="checkbox"/> Email alerts	xxx <input type="checkbox"/>
xxx <input type="checkbox"/> Print publications	xxx <input type="checkbox"/>

xxx <input type="checkbox"/> Risk forecasting website	xxx <input type="checkbox"/>
xxx <input type="checkbox"/> Social media (Facebook, Twitter)	xxx <input type="checkbox"/>
xxx <input type="checkbox"/> Texts or emails on cell phone	xxx <input type="checkbox"/>
xxx <input type="checkbox"/> Youtube	xxx <input type="checkbox"/>

27. In the last five years, have you used a website that forecasts scab risk?

xxx
1 **Yes** – Continue 3 **No** – Go to item 29

28. Was that website:

a. Easy to understand and use? xxx 1 **Yes** 3 **No**

b. Useful for scab management? xxx 1 **Yes** 3 **No**

29. Do you have internet access?

xxx
1 **Yes** – Continue 3 **No** – Go to item 31

30. Do you have access to a high-speed internet connection?

xxx
1 **Yes** 3 **No**

31. In the last five years, have you employed a crop consultant to provide advice on your wheat or barley?

xxx
1 **Yes** 3 **No**

32. On January 1, 2014, how many acres did this operation:

- a. Own?..... +
- b. Rent or Lease from others or use Rent Free?
(**Exclude** land used on an animal unit month [AUM] basis, BLM, and Forest Service land.) +
- c. Rent to others?..... -

Acres	
	xxx
	xxx
	xxx
	xxx

33. Calculate item 1a + 1b - 1c. Then the total acres operated on January 1 was: =

Instructions: For the purposes of this study, a **primary operator** is defined as the individual who makes the majority of the day-to-day decisions for the operation.

34. At which occupation did the primary operator of this operation spend the majority (50 percent or more) of his/her worktime in 2013? (Check one)

xxx
1 Farm or ranch work 2 Other

35. How many HIRED farm or ranch workers, including paid family members and office workers:

- a. Worked less than 150 days on this operation in 2013? (Exclude contract labor)
- ..
- b. Worked 150 days or more on this operation in 2013? (Exclude contract labor)

Number	
	xxx
	xxx

36. What is the highest level of formal education achieved by the primary operator of this operation? (Check one)

- xxx Less than high school diploma
- xxx High school
- xxx Some college (Include associates degree)
- xxx 4-year college graduate and beyond

37. If the primary operator received any sort of post-secondary education or training, was the major or program of focus related to agriculture?

xxx 1 **Yes**

3 **No**

YYYY
xxx

38. What year did the primary operator begin to operate **any** farm?

Years
xxx

39. What was the primary operator's age on January 1, 2014?

That completes our survey. **Thank you for your help**

Would you like to receive a copy of the results of this survey? 1 Yes 3 No

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For questions or concerns, please contact _____ at _____.

Response	Respondent	Mode	Enum.	Eval.	R. Unit	Change	Office Use for POID				
1-Comp 2-R 3-Inac 4-Office Hold 5-R – Est 6-Inac – Est 7-Off Hold – Est 8-Known Zero	9901 1-Op/Mgr 2-Sp 3-Acct/Bkpr 4-Partner 9-Oth	9902 1-Mail 2-Tel 3-Face-to-Face 4-CATI 5-Web 6-e-mail 7-Fax 8-CAPI 19-Other	9903	098	100	921	785	789			
								Optional Use			
								407	408	9906	9916
S/E Name											

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