

WHEAT & BARLEY SCAB CONTROL PRACTICES – January 2014

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 SMetaKey: xxxx



**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 xxxx-xxxx. The time required to complete this information collection is estimated to average xx 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?

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

Code
101

WHEAT

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

(If zero, skip to item 8)

Years
102

3. Thinking of the last time this operation harvested any wheat for grain, how many acres were **planted** by market class and variety? (For each market class, report the three varieties with the most planted acreage.)

Hard Red Winter		Soft Red Winter		Soft White Winter		Durum		Hard Red Spring	
Variety	Acres	Variety	Acres	Variety	Acres	Variety	Acres	Variety	Acres
110	111	112	113	114	115	116	117	118	119
120	121	122	123	124	125	126	127	128	129
130	131	132	133	134	135	136	137	138	139

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

Bushels/Acre
140

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

Crop
141

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

- 142 No tillage
- 143 Minimum tillage (chisel, zone-till, other)
- 144 Complete tillage (moldboard)

BARLEY

Years
145

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

(If zero, skip to item 12)

9. Thinking of the last time this operation harvested any barley for grain, how many acres were **planted** by variety?

(If more than three varieties were planted, reported the three varieties with the most planted acreage.)

Variety	Acres	Variety	Acres	Variety	Acres
146	147	148	149	150	151

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

Bushels/Acre
152

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

Crop
153

FUSARIUM HEAD BLIGHT (SCAB)

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

Years
154
155
156

a. Reduced yields on your farm?

b. Caused a problem with DON (vomitoxin)?

c. Caused dockage or grain to be rejected?

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

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

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

- 162 Information on scab resistance of varieties is not available or timely.
- 163 Seed of scab-resistant varieties is hard to obtain.
- 164 Scab-resistant varieties do not appear to be as high-yielding as more scab-susceptible varieties.
- 165 Information about scab risk is hard to get in a timely way.
- 166 It is hard to determine flowering dates in order to apply fungicide at the right time.
- 167 The most effective scab fungicides are hard to obtain.
- 168 The most effective scab fungicides are too expensive.
- 169 Weather prevents application of scab fungicides at the right time.
- 170 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).
- 171 Rotations that keep wheat or barley from following corn or small grains are not practical.
- 172 Scab seldom occurs and is not a high priority.
- 173 Other – Specify: _____

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

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

16. In the last five years, which one of the following methods best describes your use of fungicides specifically to control scab? (**Exclude** foliar sprays against leaf disease. Check one)

- 179 I spray every year, all varieties regardless of the level of resistance of my varieties or environmental conditions.
- 180 I spray only the most susceptible varieties every year and the more tolerant varieties when conditions seem very conducive to scab development.
- 181 I spray only when the weather seems conducive to scab development.
- 182 I spray when the scab prediction website indicates that there is a high risk of scab infection.
- 183 I spray only when my crop consultant suggests that I should spray.

184 I spray only when my agriculture retailer suggests that I should spray.

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

¹⁸⁵ 1 **Yes** – Continue 3 **No** – Go to item 19

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

- 186 I use a ground sprayer with the same nozzles I use for herbicide applications.
- 187 I use a ground sprayer with forward and backward facing nozzles.
- 188 I use a ground sprayer with nozzles angled 30 degrees forward.
- 189 I do not ground-apply fungicide for scab control.

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

¹⁹⁰ 1 **Yes** – Continue 3 **No** – Go to item 22

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

¹⁹¹ 1 Aerial 2 Ground

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

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

22. 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)

Years
195

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

Specify: ¹⁹⁶ _____

24. 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)
¹⁹⁷ <input type="checkbox"/> Chemical Companies	198 <input type="checkbox"/>
¹⁹⁹ <input type="checkbox"/> Crop consultants	200 <input type="checkbox"/>
²⁰¹ <input type="checkbox"/> Extension/University	202 <input type="checkbox"/>
²⁰³ <input type="checkbox"/> Other farmers	204 <input type="checkbox"/>
²⁰⁵ <input type="checkbox"/> Grain buyers	206 <input type="checkbox"/>

25. 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)
²⁰⁷ <input type="checkbox"/> Email alerts	208 <input type="checkbox"/>
²⁰⁹ <input type="checkbox"/> Print publications	210 <input type="checkbox"/>
²¹¹ <input type="checkbox"/> Risk forecasting website	212 <input type="checkbox"/>
²¹³ <input type="checkbox"/> Social media (Facebook, Twitter)	214 <input type="checkbox"/>
²¹⁵ <input type="checkbox"/> Texts or emails on cell phone	216 <input type="checkbox"/>
²¹⁷ <input type="checkbox"/> Youtube	218 <input type="checkbox"/>

26. In the last five years, have you used a website that forecasts scab risk? ²¹⁹ 1 **Yes** – Continue 3 **No** – Go to item 28

27. Was that website:

a. Easy to understand and use? 220 1 **Yes** 3 **No**

b. Useful for scab management? 221 1 **Yes** 3 **No**

28. Do you have internet access? 222 1 **Yes - Continue** 3 **No – Go to item 30**

29. Do you have access to a high-speed internet connection? 223 1 **Yes** 3 **No**

30. In the last five years, have you employed a crop consultant to provide advice on your wheat or barley? 224 1 **Yes** 3 **No**

31. 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?..... -

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

Acres	
901	
902	
905	
900	

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.

33. 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)

225 1 Farm or ranch work 2 Other

34. 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
226
227

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

228 Less than high school diploma

229 High school

230 Some college (Include associates degree)

231 4-year college graduate and beyond

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

232 1 **Yes** 3 **No**

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

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

YYYY
233
Years
234

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

099

For questions or concerns, please contact _____ at _____

Response	9901	Respondent	9902	Mode	9903	Enum.	Eval.	R. Unit	Change	Office Use for POID
1-Comp		1-Op/Mgr		1-Mail		098	100	921	785	789
2-R		2-Sp		2-Tel						
3-Inac		3-Acct/Bkpr		3-Face-to-Face						
4-Office Hold		4-Partner		4-CATI						
5-R – Est		9-Oth		5-Web						
										Optional Use

6-Inac – Est 7-Off Hold – Est 8-Known Zero				6-e-mail 7-Fax 8-CAPI 19-Other						407	408	9906	9916
S/E Name													

Office Use Only