2011 IPM Assessment
~1248 responses

Pesticide Safety & Environmental Education Program

Fritz Breitenbach, IPM Specialist
Lisa Behnken, Ryan Miller, Liz Stahl, and Dave Nicolai, Regional Extension Educators
Jerry Tesmer, Fillmore/Houston Extension Educator
Tom Van Der Linden, Winona Extension Educator
Brad Carlson, Steel and Rice Extension Educator

Adapted from University of Wisconsin Pest Management Assessment for Field Corn (12-6-01-Univ. of Wis.-Madison, IPCM program)

How old are you? (1248 responses)

- 15% Over 65 years
- 14% 61–65 years
- 18% 56-60 years
- 19% 51-55 years
- 13% 46-50 years
- 8% 41-45 years
- 5% 36-40 years
- 5% 31-35 years
- 3% 26-30 years
- 1% 18-25 years

How many years have you been farming? (1248 responses)

- 4% 1-5 years
- 6% 6-10 years
- 15% 11-20 years
- 26% 21-30 years
- 49% 31 or more years

Which of the following kinds of information do you strongly consider when selecting seed varieties for your farm? (1207 responses)

- Comparisons of seed prices and expected seed performance, 24%
- Recommendations or testimonials from others, 33%
- Other, 3%
- University Variety Trial Information, 30%
- Independent (non-University) variety trial information, 35%
- Side by side, non-replicated strip test information, 31%
- Seed company advertisements, 15%
- Personal past experience, 69%
Which of the following sources do you rely on for crop and pest management information?

(1226 responses)

- University & Extension resources, newsletters & websites, 42%
- Neighbor recommendation, 16%
- Independent, non-profit organization resources & websites, 21%
- Elevator/Cooperative resources & websites, 29%
- Research & field trials, 29%
- Blogs, 1%
- I have no regular source that I go to, 7%

How many acres of Corn do you plant?

(1239 responses)

- Don't plant corn, 4%
- Less than 100 acres, 17%
- 101-300 acres, 35%
- 301-500 acres, 18%
- 501-700 acres, 10%
- 701-1000 acres, 7%
- Over 1000 acres, 8%

You generally plant FIELD CORN at a seeding rate of:

(1239 Responses.)

- 28,000 or less/a, 1%
- 30,001 to 32,000/a, 3%
- 32,001 to 34,000/a, 10%
- 34,001 to 36,000/a, 36%
- More than 36,000/a, 21%

How many acres of Soybeans do you plant?

(1234 responses)

- Don't plant beans, 12%
- Less than 100 acres, 18%
- 101-300 acres, 34%
- 301-500 acres, 17%
- 501-700 acres, 8%
- 701-1000 acres, 6%
- Over 1000 acres, 5%
How many acres of Alfalfa do you plant?
(244 responses)

How many acres of other crops do you plant?
(237 responses)

Which herbicide application timings do you usually use in CORN?
(1188 Responses)

Which herbicide application timings do you usually use in SOYBEANS?
(1108 Responses)
In the past three years, have you established a grass filter strip between cropland and water? (249 responses)

- Already had filter strips: 14%
- I do not have crop next to water: 43%
- No: 22%
- Yes: 20%

What is your experience with MDA Best Management Practices? (235 responses)

- Until now, I was not aware of them: 31%
- I was aware of them, but never read them: 18%
- I have read some or all of them: 36%
- I have read some or all of them and made management changes: 15%

Which BMP that you are not using would you be most likely to try? (39 responses)

- Reduced application rates: 31%
- Soil incorporate herbicides: 18%
- Install filter strips near water & inlets: 15%
- Maintain application setbacks from water: 8%
- I am already using all the above BMPs: 21%

Do you follow the Atrazine Best Management Practices on your farm? (250 responses)

- Yes, all the time: 26%
- Yes, most of the time: 44%
- Yes, some of the time: 2%
- No: 24%
- Don't use Atrazine: 4%
Do you follow the Atrazine setbacks? (247 responses)

- Don’t apply Atrazine: 28%
- What setbacks?: 4%
- Some of the time: 5%
- Most of the time: 26%
- All of the time: 37%

Does glyphosate (the active ingredient in Roundup) work as well today as it did when you first used it? (214 responses)

- Yes, 46%
- No, 54%

Is Glyphosate (the active ingredient in Roundup) a contact or systemic herbicide? (213 responses)

- Systemic, 39%
- Contact, 61%

Do you think you have glyphosate resistant weeds on your farm? (221 responses)

- Yes, 40%
- No, 42%
- Don’t Know, 18%
Which weed species do you suspect are resistant to glyphosate? (246 responses)

- Common lambsquarters: 22%
- Giant ragweed: 6%
- Nightshade species: 4%
- Waterhemp species: 22%
- Velvetleaf: 27%
- Common Cocklebur: 2%
- Common Ragweed: 9%
- Other: 9%

How do you manage weed resistance? (274 responses)

- Preplant herbicide followed: 23%
- Tank mix with additional...: 34%
- Not concerned about weed: 3%
- Rotate herbicide mode of...: 30%
- Use mechanical control: 9%

Does your sprayer have an enclosed cab? (247 responses)

- Yes, 70%
- No, 30%

What type of nozzle do you usually use? (220 responses)

- Flat Fan: 54%
- Flood: 17%
- Air induction: 7%
- Cone: 2%
- Chamber/drift reducing: 16%
- Other: 4%
Do you have a hand held GPS unit on your farm? (109 responses)

Yes, 10%
No, 90%

MPH for your spraying? (200 responses)

4 or less 5 6 7 8 10 12 or more

40%
24%
9%
4%
9%
2%

How do you manage corn rootworms in FIRST YEAR CORN? (207 responses)

Don't raise corn 5%
Below labeled rate 1%
I plant CRW rootworm corn 27%
I use liquid insecticides 13%
I use granular insecticides 13%
I use seed treatments 37%
No problems with CRW in 1st year corn 1%

How do you manage corn rootworms in continuous corn? (219 responses)

Don't have continuous corn 44%
I use seed treatments 30%
I use granular insecticides 11%
I use liquid insecticides 14%
I plant CRW rootworm corn 1%
Below labeled rate 1%
Have you experienced lodging or root damage in your CRW corn? (135 responses)

- Yes: 57%
- No: 27%
- Don't Know: 16%

My most troublesome corn diseases are: (1185 responses)

- 35% I don't have troublesome corn diseases
- 5% Other
- 2% Goss's wilt
- 2% Ear rots
- 1% Rust
- 7% Anthracnose
- 5% Northern corn leaf blight
- 3% Eyespots
- 32% Stalk rot
- 5% I don't plant corn

Do you apply sulfur or zinc for corn production? (1239 Responses)

- Don't plant corn: 5%
- No: 11%
- Yes-Sulfur: 11%
- Yes-Zinc: 26%
- Yes-Sulfur and Zinc: 47%

Do you use sulfur on soybeans? (1224 responses)

- Don't plant soybeans: 11%
- Yes: 8%
- No: 80%
How many years have you been applying pesticides? (259 responses)

- More than 20 years: 66%
- +10 to 20 years: 21%
- +5 to 10 years: 5%
- 5 years or less: 8%

Do you use gloves when mixing pesticide? (253 responses)

- Never: 4%
- Sometimes: 19%
- Most of the time: 29%
- All the time: 49%

What is the most common route of exposure for pesticide applicators? (182 responses)

- Skin: 86%
- Eyes: 4%
- Mouth: 4%
- Lungs: 9%

Have you had pesticide come in contact with your skin? (41 responses)

- Yes, 98%
- No, 2%
Do you own a mini-bulk container? (239 responses)

- Yes, 23%
- No, 77%

In the last three years, I have (increased, stayed the same, decreased, does not apply) the use of the following as a result of University of Minnesota Extension Crop Management programs and related information:

1. **My Use of variety trial information** (1183 responses)
   - Increased: 77%
   - Stayed the Same: 4%
   - Decreased: 12%
   - Does not Apply: 7%

2. **Detailing of field records** (1138 responses)
   - Increased: 58%
   - Stayed the Same: 34%
   - Decreased: 1%
   - Does not Apply: 7%

3. **Use of safety precautions when working with pesticides** (1186 responses)
   - Increased: 52%
   - Stayed the Same: 46%
   - Decreased: 0%
   - Does not Apply: 2%
In the last three years, I have (increased, stayed the same, decreased, does not apply) the use of the following as a result of University of Minnesota Extension Crop Management programs and related information:

**Use of crop monitoring and scouting** (1175 responses)

- Increased: 51%
- Stayed the Same: 43%
- Decreased: 1%
- Does not Apply: 5%

**My confidence in the findings of my crop scouting** (1174 responses)

- Increased: 61%
- Stayed the Same: 33%
- Decreased: 2%
- Does not Apply: 4%

**My confidence in using my crop scouting for management decisions** (1172 responses)

- Increased: 57%
- Stayed the Same: 36%
- Decreased: 3%
- Does not Apply: 4%

**My use of the internet to find IPM related information** (1175 responses)

- Increased: 46%
- Stayed the Same: 26%
- Decreased: 26%
- Does not Apply: 26%
In the last three years, I have (increased, stayed the same, decreased, does not apply) the use of the following as a result of University of Minnesota Extension Crop Management programs and related information:

**My attending of field day programs** (1179 responses)

- Increased: 13%
- Stayed the Same: 67%
- Decreased: 10%
- Does not Apply: 10%

**My attending of educational programs related to IPM** (1179 responses)

- Increased: 12%
- Stayed the Same: 73%
- Decreased: 6%
- Does not Apply: 9%

Indicate if you use and value (or not) the following University of Minnesota resources to gain crop management and IPM related knowledge and practices:

**Individual consultations** (906 responses)

- Use and Value: 55%
- Don't use or value: 45%

**Web-based information** (839 responses)

- Use and Value: 49%
- Don't use or value: 51%
Indicate if you use and value (or not) the following University of Minnesota resources to gain crop management and IPM related knowledge and practices:

**Newsletters** (1012 responses)

- **Use and Value**: 85%
- **Don't use or value**: 15%

**Magazine and Newspaper Articles** (983 responses)

- **Use and Value**: 84%
- **Don't use or value**: 16%

**Pesticide applicator training sessions** (1048 responses)

- **Use and Value**: 93%
- **Don't use or value**: 7%

**Educational programs other than pesticide applicator training** (862 responses)

- **Use and Value**: 62%
- **Don't use or value**: 38%
How would you rate this workshop’s overall value to you? (259 responses)

- Very High: 27%
- High: 52%
- Medium: 19%
- Low: 2%
- Very Low: 0%

How much did you learn at this workshop? (268 responses)

- Nothing: 5%
- A little: 26%
- Some: 51%
- A fair amount: 18%
- A lot: 0%

How many practices do you plan to change or adopt based on what you learned at this workshop? (259 responses)

- 0: 4%
- 1: 24%
- 2: 50%
- 3: 19%
- 4 or more: 4%

Since you last certified, how many practices did you change or adopt based on what you learned last time? (257 responses)

- 0: 15%
- 1: 42%
- 2: 30%
- 3: 7%
- 4 or more: 6%
How did you last recertify in 2008?

(1237 responses - survey)

- Online Test, 11%
- Take Home Test, 25%
- Local Extension Meeting, 63%

How did you last recertify in 2008?

(249 responses - workshop)

- New Certification 3 years ago, 6%
- Written Exam, 28%
- Workshop, 55%
- Online Exam, 11%