

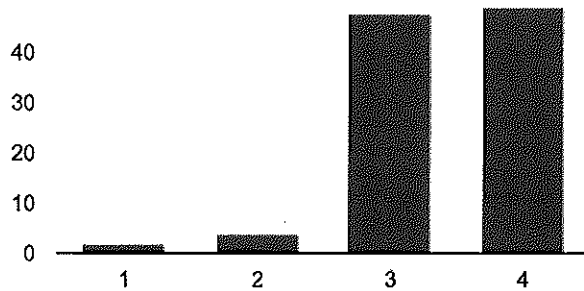
103 responses

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Summary

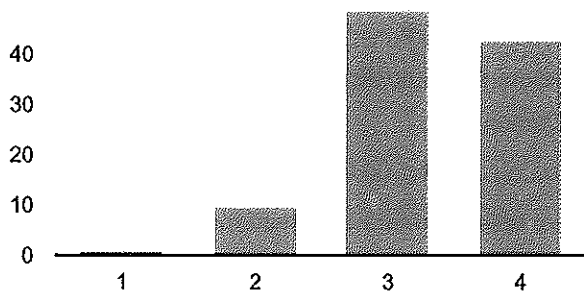
How would you rate the level of knowledge you gained about using cover crops in the three different crop rotations as a result of this meeting

Corn grains/ Soybeans



Did not learn anything:	1	2	1.9%
	2	4	3.9%
	3	48	46.6%
I learned a great deal:	4	49	47.6%

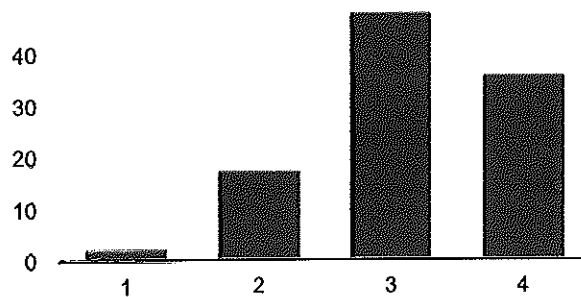
Corn silage



Did not learn anything:	1	1	1%
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	2	10	9.7%
	3	49	47.6%
I learned a great deal:	4	43	41.7%

Wheat (Small grains)/ vegetables



Did not learn anything:	1	2	1.9%
	2	17	16.5%
	3	48	46.6%
I learned a great deal:	4	36	35%

If you learned anything, please provide at least one example of something useful or interesting that you learned today.

Manure can be applied after cover crop establishment.

Fly on info was very interesting Rates didn't matter, 1 bu/ac good enough

Applying manure on cover crops, details of different species. Excellent discussion was most beneficial.

Great advice for working with farmers.

The general talk about having success with cover crops in corn, grain and soy bean systems is great and a confidence booster for trying something new in my area.

-Late inter-seeding into soybeans

-Timing of Cover crop planting in relation to crop type & stage is critical.

-Very informative, I learned a lot of useful information. Aerial application & timing of seeding was interesting. I always heard to plant earlier than Damon said.

-Its permissible to DNR to spread manure on growing crop for CAFO's.

-Learned so much about aerial seeding. Confident telling farmers to spread manure on cover crops

-Seed rye 2 weeks prior to silage harvest

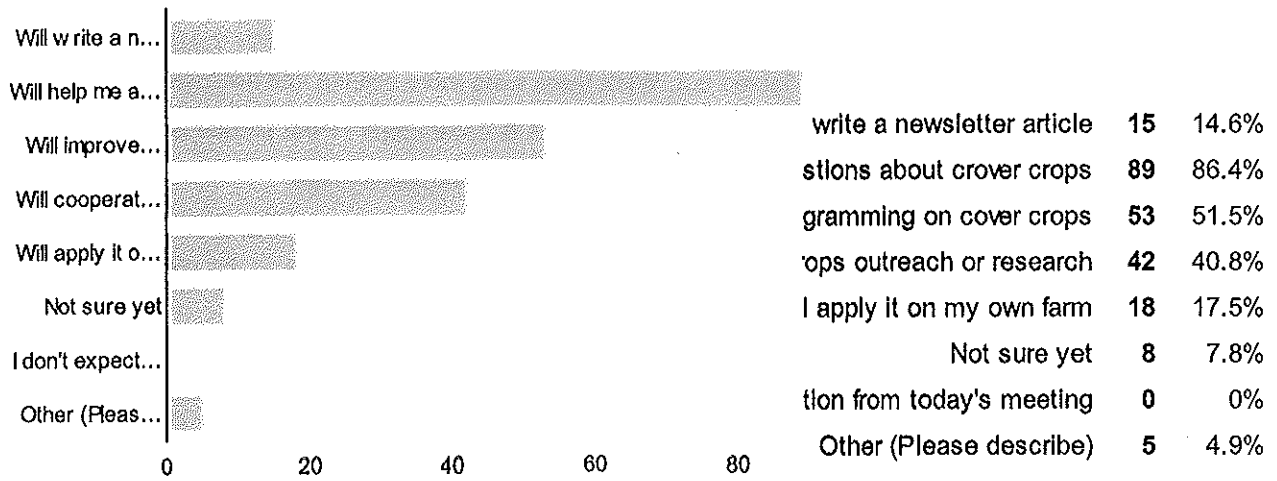
- Don't plant cover crops too early in soybeans. The later the better. Slugs can be a problem and slugs may not feed as much on barley as they do on rye.

- Corn Silage issue with early planting from aerial application -Corn silage- misconception about use need to incorporate manure
- The late dates other counties are planting cover crops -I liked the format - time for discussion
- I came into this session with a general knowledge on cover crops. today helped me piece together appropriate rotations, timing rates, and tips/challenges. This was such a useful session thank you for putting it together. I'm excited to visit (maybe add to) the discussion/tips on the "FYI" webpage.
- White mold spores better controlled in cover crop --> soybean fields - We did more of this in rotation 2016 growing season and beans did well!
- I learned a lot about the differences between crops/rotations and which cover crops are better than others. Also, general planting information and slugs issues. I also learned I was pronouncing "triticade" incorrectly!
- Some county land & water conservation agencies are doing much cover crop technical assistance and evaluation & have experience to offer.
- The unity of cover crops and need to tie into the farmers plans was intriguing.
- Timing of seeding with inter-seeding so important.
- How great rye is - hardiness, durability from herbicides, late planting and still survive.
- Really helpful session! Just stayed for morning session. I learned a lot. Thank you for UWEX site info also.
- Splashing manure on a well established cover crop for CAFO's
- What to plant following corn silage depending on when the silage is being harvested.
- Wasn't aware that aerial applications were being used as much as they are
- Earlier planting clue are not necessarily better for inter-seeding. - Just about anything seems to work in Crawford county - Even a seed salesman thinks NRC's seeding rates are too high in some cases.
- 40% growing degree days & moisture --> Aug 1st - some people having luck with broadcasting rye in early November & planting SB in spring - White mold control tool winter rye 64 SB
- Appropriate applications for rye vs. oat vs. barley - Importance of daylight & canopy
- Timing is everything sunlight is so important - Make sure herbicides were not applied if using for forage.
- Caution about slugs and the relationship to density/rate of cover - change recommendation (last minute) according to wet or average or dry fall.
- Manure timing & cover crop seeding
- Cover crop height when applying manure - all was said on a "good" stand to not kill the crop or run off - (who will be the monitor of cover crop height?) more research on timing & run off mitigation success is needed & timing & height of cover crops
- I'm not from the area, so learning about growing seasons and which species do/don't work was very helpful
- That buckwheat and hairy vetch are bad
- What does not work well.

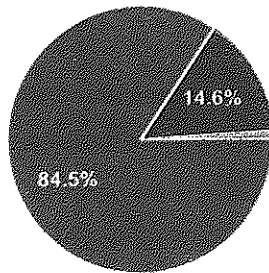
- Radish leads to sully erosion. Don't plant radish alone. - Planting winter trefical deep enhances winter hardiness
- Seed timing & seeding rate.
- Manure applications on cereal cover crops will not kill them
- Spec. seed rates & timing concerns, discon slugs & other risk factors- all good discussion to share - Dameron was superb as always. Heidi did a great job. Surry did outstanding at getting us to think like a farmer - Brian did a great job! - Fantastic dialog! Questions & answers was very helpful - Mike did good to bring out objectives. - Not sure I agree with mike- I farmed heavy Red clay in Kewaunee & covers are advantagees. Don't perpetuate the opinion & tradltions - open your mind to the value of covers on those soils you will be surprised
- Walking with manure application while using cover crops.
- Seeding rates - 1 is as good as 2 bushels
- I learned that we are more than willing to discuss cover crops, but not willing to discuss how soil functions first.
- Did not think about the slugs eating the broadcast rye & wheat
- Really didn't know much of anything about vegetable farming so cover cropping was very interesting
- Good species to start with - rye
- Tritide as a forage crop/ cover crop in soy/ silage rotation
- Supported the problems I have up north with cold wet soil - late harvest to no harvest in fall.
- Slug fighting 28% of Barley. Termination, snap fall judgements. North takes risks because they have to. They get success - great diversity.
- Organic/ no till strategy was new & good info
- That is important to get the farmers agronomist/ applicator involved in the plan to implement cover crops early.
- Have repeated conversation with agronomist (and farmer) on residual, termination. "owned" equipment available, etc. - Didn't know slugs were such an issue
- Cover crop successes and failures and the reasons behind them
- Slugs - Different rates and experiences
- Rolling rye
- Seed application rates
- I learned that a lot more research is needed on cover crops, and that there are many testimonials.
- Had not heard about the slug issue. - Importance of sun-light in establishing C.C - The 1 bu seeding rate - The potential alleopathy vs. Nitrogen - Crimping rye for reduced tillage
- Types of cover crops (single vs. multi species) which work and probability of success along with rates
- Good rotallon for dairy/ livestock rye or tritide then no-till alfalfa, then harvest forage. - Aerial seeding can be hit or miss - Good idea to start new cover croppers with something you know will work
- Radish N content results in no net gain in N for following crop

- Higher seeding rate is not better
 - New information on Aerial application
 - That the information is still being figured out. Wish there were more definite info available
 - Planning ahead of time for herbicide/manure applications & cover crops - Pest problems & light availability - Corn stage and cover crop plant timing - N timing after cover crops
 - I learned about the variety of issues faced with cover crop adoption, and variability through out the state. I learned about individuals engaged in cover crop implementation. I liked the emphasis during the intro about tailoring recommendations to level of producer experience.
 - Slugs and herbicide residuals
 - Timing of N application after cover crops
 - watch row orientation - N/S is different than E/W
- V4 & V5 planting of cover in corn for grain.
- Do's and Don't of roller/crimping
 - Manure application on cover crops
 - Seeding dates, rates, mixes, it was all informative.
 - Cover crop research is ongoing and can be evidenced by today's discussion, in which we can all agree that CC's are extremely important and critical to soil health, but recommendations for seed mixture, rates and time of establishment vary by experience.
 - The discussion on corn grain was useful for future planning with more advanced cover crop users to establish a more whole system based operation.
 - Cereal rye does impact crops following it little affect on corn, but huge on seeding of alfalfa - For beginner, stick with cover crop that will winter kill if in a small grain/vegetable rotation.
 - Erin Silva presentation on roller crimping rye prior to soybeans was intriguing. I may have some producers who would like to try. Very interesting!
 - Slugs stink.
 - I had previously thought that aerial application of a cover crop would be entirely too expensive and not feasible for most farmers. However, the numbers that Daemon Raebe produced makes me believe that aerial application may be achievable/affordable for most farmers.

How do you see yourself using information from today's meeting? Check all likely ways.



Would you attend a follow-up meeting next year on cover crops for agency staff?



Yes	87	84.5%
Maybe	15	14.6%
Probably not	1	1%

If yes or maybe, what topics would you like to have included? What suggestions do you have for improving the meeting?

More of the same.

Manure & Cover crop options/benefits/rates

Having a producer panel would provide excellent additional insight. Short segment on vegetable crops. Economics

-Follow up on some trials mentioned -Some breaks. Coffee pot for after lunch

-Here more about opportunities out there with all the agencies for producers to be aware of. -Hear more on perceived problems with cover crops and how to work through them or talk producers through them. (Lake Michigan)

-More of the same. would benefit new attendees who were not present at this meeting

-More info from vegetable growers

-I am interested in Covers following corn and soybeans. I enjoyed the meeting format. -Cover crop economics or have former panel of why they do this,

-Suggestion: Include DNR rep on panel to address benefits to water quality, manure application restrictions, etc -Topics: 1.)promoting "cover crops" as a forage source for livestock producers 2.)Rotation (crop)benefits 3.)Economics 4.)Soil health benefits

-Bit more on cover crop use in vegetables

-Add something on how to take nutrient credits in SNAP -Maybe go through example cash flows

- Frost seeding red clover & silage corn presentations
- I would like to see cover crop meeting for farmers and agency people because farmers are professionals and they would ask real field and experience questions which us agency people may not think of and I would like to hear the answers to their questions. I know that is a lot more people maybe these topics could run as concurrent sessions and repeated through out the day so all growers could hear all the topics and not have to pick and choose.
- Economics of using cover crops
- Grower involvement - experiences - Marketing
- Perhaps a shorter day/time frame, pictures of sites/examples would be great!
- More specifically recommendations for which options to choose/recommend based on objectives.
- Keep it the same
- As things progress a farmer panel would be helpful with the agency panel - a mix
- Info for canning vegetable crops.
- Going through research - how to apply to farmers
- Watershed Wide application - a focused session of cover crops for water quality.
- I have limited knowledge so all is good to hear.
- Maybe talk about: relay cropping, double cropping, inter-cropping
- Insects & cover crops
- Results & Money saved
- Best planting methods
- Current data or research on the economics of cover crops. Prices on cover crop species. Return on investment in terms of nitrogen fixed on scavenged, or soil health improvements on water holding capacity.
- spring barley not eaten better than rye - slug update - more about yellow corn after winter rye - Damon Raebe - slideshow he talked about - His how cover crops pay with saving soil/ fertilizer loss - Can you broad cast peas etc?
- Economics & demonstrating money value to grower - We should talk about specific soil improvement measures that result from using cover crops - some infiltration etc
- Incorporation of forages into the system. - Using cover crops for forages, although some good information today - More information on organic methods
- Science of the benefits
- Maybe add or move economically based area of discussion. How cc's help the wallet.
- More study on the economics of adding cover into rotations
- Latest trends
- Data on cover crops following corn grain (if there is any) and benefits or soil loss - Yes! on economics! - Mechanics of crediting after legume cover crops.
- Cover crops used for forage & grazing
- If anything, maybe some farmers with their experiences.

- Touched on N leaching issue - more connection to 590. Very good to explore farmer reasons to continue. Offer options like highboy & irrigation application. Creative ideas to adopt equipment - Rope & Radish = premature conclusion - Need more study with radish on slugs issue. tie up N is good --> needed in places
- Slug update - Inter-seeding update - New practices
- Biology in soils with cover crops - How disturbance manure application/ cover crops
- Research data on c. rye and t. radish - their effectiveness on surface/tillage / deep compaction issues
- Soil prep to prepare for cover crops soil biology vs. just starting cover crops
- Make the meeting about "soil health" not "cover crops". They are not synonyms and CC's in a tillage-based system aren't a good option.
- More discussion on N credits following clovers/peas when more research is done
- More written visuals on the research of the cover crops used and the applications on the land, etc.
- More about soil health over all and how cover crops help - Where to get equipment needed to implement ideas
- 2 Day workshop cover 101 & 201
- Not sure at this time. Using cover crops with long ray rotations and in grazing cattle operations.
- Economic efforts impact on covers - Advanced planning - Avoiding Bad conditions - More on N tie up - Studies we need to take on - what's the reason behind the findings? ex - design more studies of N vs alleopathy - Getting height in such as row width NS Rows. - Excellent - just build beyond it
- Moving from erosion to soil health
- Maybe talk in more detail about herbicide applications/ termination practices
- More discussion on options with canning crops & potatoes. Harvest is so late in the year --> fields can be so "abused" How are "economics" pending out - conversations convincing farmer
- More speakers with experience using cover crops in organic cropping systems.
- Mixes for soil types
- Equipment. I am unfamiliar with a lot of the equipment mentioned today going over the equipment or more pictures would have been awesome.
- More healthy snacks, less fatty foods
- Include Economics. Today I learned a lot of the following, " We had best looking corn crop where we used cover crops". -- obviously doesn't mean its sustainable
- More video or photos highlighting practices that speakers were talking about - This has given me good ideas to start farmer lead advisory cover-crops group (SARE grant)
- Continues a panel of farmers/ agency personnel with CC experience
- More on inter-seeding research and results - Cover crops on heavier less well drained soils - Format worked well with good discussion - include field walk or bond.
- How do cover crops affect the nutrient cycling in the soil
- C:N ratios and how much O.M. can be increased in soil
- Farmer panel

-- Handouts

- Manure application into cover crops

More recordings of various panelists would be helpful after meeting to review again (vs. hearing it once at cover crop mtg.)

- Who's in the room? have individuals say there name/affiliation in the beginning or, provide a roster of participants w/ affiliation. Helps with networking when you have an idea whose in the room.

- Short (2-3) you tube videos of planning examples or results from the fields

- Would like to look more at system approach

- Similar topics - maybe ask for handouts of experience of other info for follow up?

- Keep sharing

- Economics of cover crops

- If possible incorporate a field day with examples of research results

- Applying solid/bedpack manure to covers (not just injecting) - Different seeding equipment

- The meeting was personally very beneficial.

- Nitrogen management --> crediting legume cover crops planted say after wheat prior to corn the following year.

- I liked the informal set up and split between crop types, don't have any major suggestions at this time.

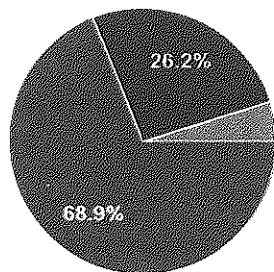
- Have real life examples on what works and what doesn't (have multiple examples) - What was planted - When planted - Management style - Give example rotations and how you would improve it with cover crops

- I would like to learn more about how much N to credit for some of the covers. Farmers want to know what the covers are worth.

- More field results with covers, cost effectiveness of covers.

- I would like to see some of the visuals that the panel members had mentioned so that we could compare different species and application scenarios side by side to better grasp the variation between all aspects.

Do you want to join a cover crops email list serve for Wisconsin?



Yes (Then please make sure your email is checked off on registration sheet!)	71	68.9%
I'm already on it	27	26.2%

Is there anything else you want to say about the workshop or your work with cover crops?

- Go team Johnson!

- Great workshop

Well done!

Great move in the right direction.

Different resources are helpful - next year a list of people's most helpful resources would be great.

Excellent - learned so much more than reading at the office. Really benefitted from hearing experiences at all levels.

-Great workshop! would like to see even more people attend -economics would be good -possible different time of year (March-June)

-I thought the format was great. Good panel discussion with follow-up from group.

-Great idea to have this workshop

-Could this meeting be incorporated into the WI Land and Water Annual Conference?

-NCRS has produces a "Cover crop economic decision support tool" digital spreadsheet available free - online along with support worksheets & documents -Green lake county dairy farmer has been planting "cover crops" as forage sources second/third crops to meet his forage needs since 1988.

-Super good. Thanks. -Question: producer/grower goal not equal NCR resource concerns! I know you can't change this, but why is it so hard to justify a resource concern for NCRS?!

-Great Panel discussions maybe more scientific presentations

What are the best cover crops to use for farmer market gardeners to reduce soil erosion and is easy to kill with roto tilling

- Good to hear the variety of experiences. Have to remember however that cover crops can be part of a conservation system but not necessarily a "Silver bullet" for resource concerns.

Thank you very much. Good idea!

- Workshop = white bread - Offer afternoon break

-Great Job facilitating and the panel was a good way to start discussion.

- Well done Heidi

- Challenge county, state, fed. & local to partner on this effort, reach out to agronomists/crop advisors.

-Nice Job!

- At what stage of development can we claim cover crops has met producer goal, jut because it germinates did it actually work, i.e soil conservation.

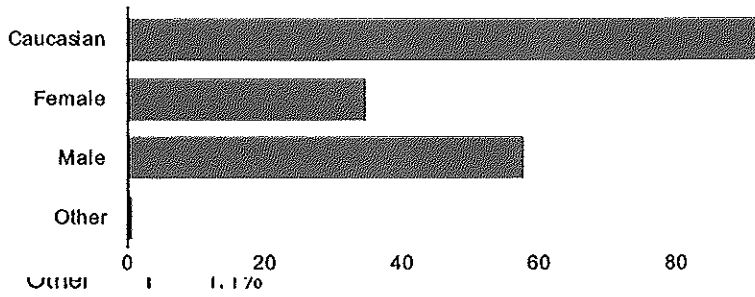
- Group discussion, not enough time to cover all aspects

- We still have a lot to learn

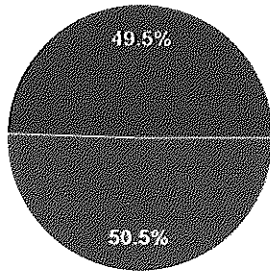
- I appreciate that there are people around who are really digging in to the details of this stuff and trying to answer the tough questions so that people like me can use the knowledge they gain to supply reasonable info to clients.
- good food -- liked all the panel members & format
- Very, very good informative and thoughtful
- Research of how much soil was saved based on different cover crop species & combinations of different seeding rates on various areas within the field (top of hill - thinner soil/ more parent material/ gravel exposed versus the bottom of the hill where all the soil moved to) - Cover crops on Karst topography
- We still have a lot to learn - and lots to experiment with
- Fantastic group of experts
- Liked the format
- This was a great workshop that really engaged the participants. - You pulled off the "panel" format... way to go Heidi!
- Keep pushing additional reasons to use covers. A study was done (forget where) recently on radishes deterrent to slugs. Diversity is the need to keep things in check - N- scavenging - More success stories on Brassicas - Be careful with opinions (end of day) buckwheat, hairy vetch, radish --> cautions are good saying (don't) is not --> all about purpose & objectives - Open to more research we don't know it all - Thank you - Outstanding day! - Heidi you did great pulling info out of panel and moderating. Well done!
- Very rewarding to have growers come to you answering questions versus looking for money
- Low disturbance manure application timing into newly seeded c. crops (species differences) - Info on number available after various clover species inter-seeded in corn - for next years corn crop?
- Nice format with panels - and reliefs worked well for Damon's portion
- We need to discuss cover crops in the context of a soil health mgt. system NOT in a tillage-based system. Cover crops with tillage will ruin soil health efforts (and cover crop adoption)
- An updated agenda to address on it
- Getting farmers together to share experiences seems to be key - education is important
- Thanks for the information. Keep it simple. Producers need it simple. NCRS tends to make the process more complicated than necessary.
- Outstanding effort to bring this audience together - Suggest phase 2 = add consultants & do 4 locations - Phase 3 = all & producers - Today was excellent. I go away knowing we confirmed the need to stay close to science & equally important we must be certain academics (research) is founded in open ideas. We are early in adoption in WI and as such must influence research to get outside the box. Brassicas on multi rotation (Dairy/alfalfas) have real merit. suppress ideas radish client done yet - study broader dynamics are a key.
- The format was excellent in the sense of how beneficial the open discussion were, which allowed the audience to gain different perspectives/ experiences.
- Thank you for lunch & snacks

- Our county just bought a no-till drill so we are looking for as much information as possible on cover cropping north central WI.
- Work to implement them in my home county of DUNN.
- This program was one of the most realistic I've been to on the topic of cover crops. would like to hear more on the following: clover N credit could pay for seed/ seeding, NCRS - cost share - limited?
- Great, practical information
- Interested in soil moisture & soil temperature efforts of cover crops on spring planting of agronomic crop.
- Wisconsin has varied soils and climate conditions, in SW we are rolling to steep with mostly well drained soil - not flat and poorly drained - may need a regionalized approach
- Was good and informative.
- I enjoyed the day - good food
- I would like to hear from farmers
- Plant on room as possible (change the chopper in the fall)
- Include examples - crop type, soil type, location, topography, etc. - then what worked and what didn't what obstacles had to be overcome & how? compare different parts of the state, crops, etc
- Excellent workshop and discussion
- Very good! - Like the idea sharing - what worked & didn't work
- This was good - Thank you for organizing
- Excellent meeting! This was incredibly informative. The agency panel & Q&A style were extremely effective. Great info!
- Great workshop. Is there opportunity to gather other opinion or other individuals from other state who had experience in cover crop?
- Hard seed at potential weed source
- It is great to hear the success stories - Cover crops often corn grain is a very efficient sell. We still have way too many farmers not using cover crops after silage & canning crops, let's focus on those.
- Glad it happened.
- I feel that I am better prepared to answer questions that a producer may have about our cover crops now. I also think that my input will be more justifiable since we have hard evidence to look back at with all the great research being done. Most of this info from the meeting was new to me and seemingly opens new doors for conservation and crop production.

For reporting purposes, please provide some demographic information about yourself



Which meeting did you attend?



Madison meeting	52	50.5%
Marshfield meeting	51	49.5%

Number of daily responses



