

# PRODUCTION RESEARCH ADVISORY BOARD

Annual Production Practices Survey Results

2026



**MSU Extension**



**MICHIGAN BEAN  
COMMISSION**

Production Research Advisory Board

2026

Each year the Production Research Advisory Board surveys both Growers and Crop Advisors on production practices implemented in the previous season. This survey has been conducted annually for over 15 years here in Michigan and helps address barriers to production, adoption of new practices, and the evolution of the industry over time. This year over 97,000 acres of dry bean production was represented by the survey results! We would like to thank all of those who participated and look forward to another cropping season here in 2026.

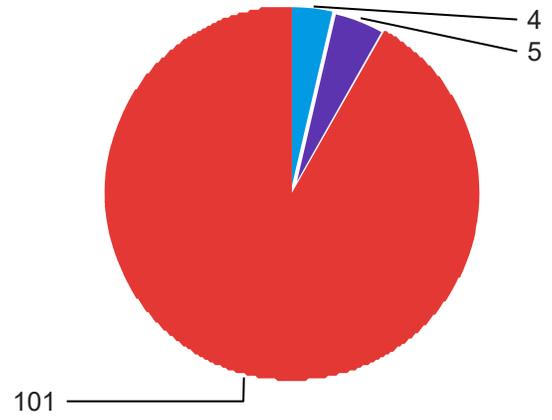
Original Questionnaire (taken in digital format):

- Q1. *I would describe myself as a \_\_\_\_\_ farmer or crop consultant.*
- Q2. *Do you include dry beans in your crop rotation each year?*
- Q3. *My Farm or office is primarily located in \_\_\_\_\_ county.*
- Q4. *My dry beans are \_\_\_\_\_.*
- Q5. *On a five-year average our farm raises \_\_\_\_\_ acres of dry beans each year.*
- Q6. *In 2025 I raised \_\_\_\_\_ beans.*
- Q7. *What row width are you planting?*
- Q8. *I like to plant my dry beans at \_\_\_\_\_ thousand seeds per acre.*
- Q9. *When do you like to plant your dry beans given the choice?*
- Q10. *Given a choice do you prefer to plant dry beans following:*
- Q11. *Please select your normal source of nitrogen*
- Q12. *How and when do you apply nitrogen?*
- Q13. *How many total pounds per acre of actual Nitrogen do you apply?*
- Q14. *How many total pounds per acre of actual Phosphorus do you apply?*
- Q15. *How many total pounds per acre of actual Potassium do you apply?*
- Q16. *What micro-nutrients do you apply to your dry bean crop?*
- Q17. *Do you foliar feed your dry bean crop?*
- Q18. *Is manure part of your fertility program?*
- Q19. *What is your most preferred seed treatment?*
- Q20. *How many year rotation are your dry beans in?*
- Q21. *What products are included in your preplant weed control?*
- Q22. *What products are included in your POST weed control program?*
- Q23. *Given your current weed control program, please rank the following weed species are most likely to escape control?*
- Q24. *Do you have any of the following resistant weeds in your dry bean fields?*
- Q25. *How do you select what dry bean variety or varieties you choose to plant?*

- Q26. *Do you use a foliar insecticide?*
- Q27. *What is your most preferred/used insecticide?*
- Q28. *How confident do you feel confident in the decisions you make in the management of dry beans in the following categories:*
- Q29. *How do you determine when or if you will apply a white mold fungicide?*
- Q30. *On a 5-year average, how many white mold fungicide applications do you plan?*
- Q31. *What is your most preferred white mold treatment?*
- Q32. *What is your most preferred harvest aid?*
- Q33. *What is the preferred method of dry bean harvest on your farm?*
- Q34. *What percentage of your farm acres would have a cover crop?*
- Q35. *What is your most preferred cover crop?*
- Q36. *What dry bean disease causes the highest yield loss on your farm?*
- Q37. **Please rank what areas of dry bean production need further research to help increase dry bean yields on your farm?**
- Q38. *From work done by the Michigan Bean Commission/MSU have you gained knowledge about science based practices to manage pest/diseases on your farm?*
- Q39. *Based on work done by the Michigan Bean Commission/MSU have you gained knowledge about tools, varieties, or practices that can make your farm more sustainable (economic or environmentally)?*
- Q40. *On average my dry bean yields have \_\_\_\_\_ over the past 5 years.*
- Q41. *Where do you get the majority of information on dry bean pest when you need it?*

Q1 - I would describe myself as a \_\_\_\_\_ farmer or crop consultant.

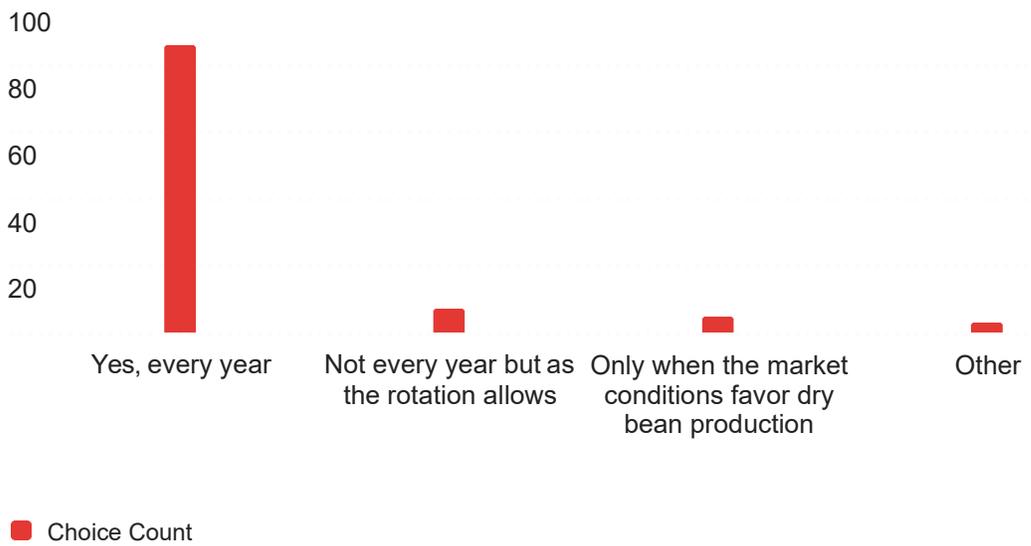
110 Responses



■ Organic and Conventional   ■ Organic   ■ Conventional

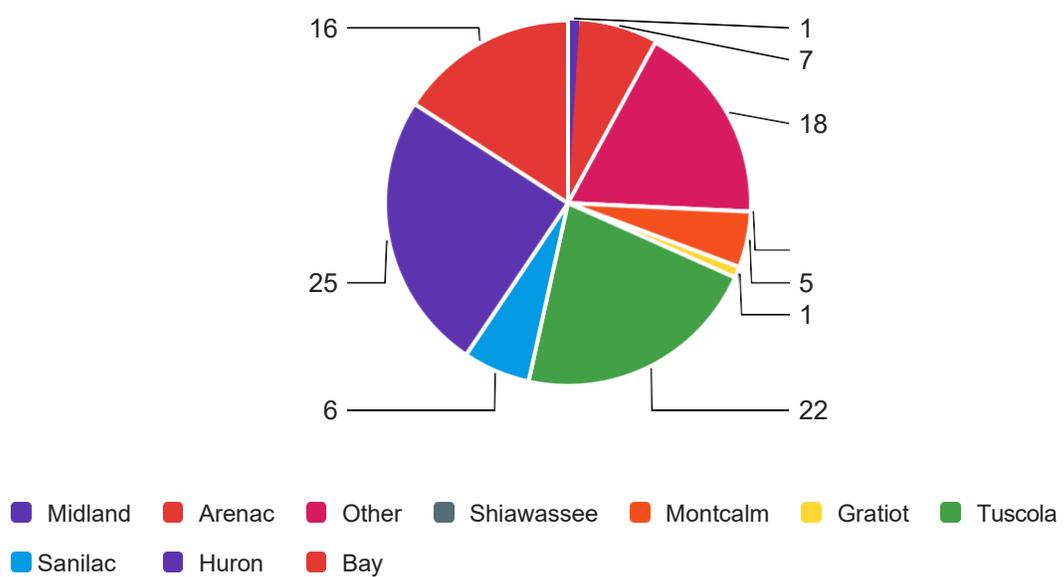
Q2 - Do you include dry beans in your crop rotation each year? - Selected Choice

101 Responses



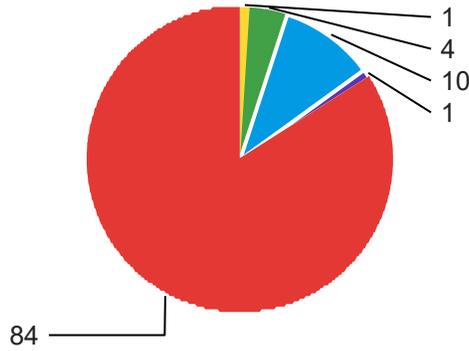
Q3 - My Farm or office is primarily located in \_\_\_\_\_ county. - Selected Choice

101 Responses



Q4 - My dry beans are\_\_\_\_\_ . - Selected Choice

100 Responses



- Other
- It changes from year to year
- Some are irrigated, some are not
- Irrigated
- Rain fed

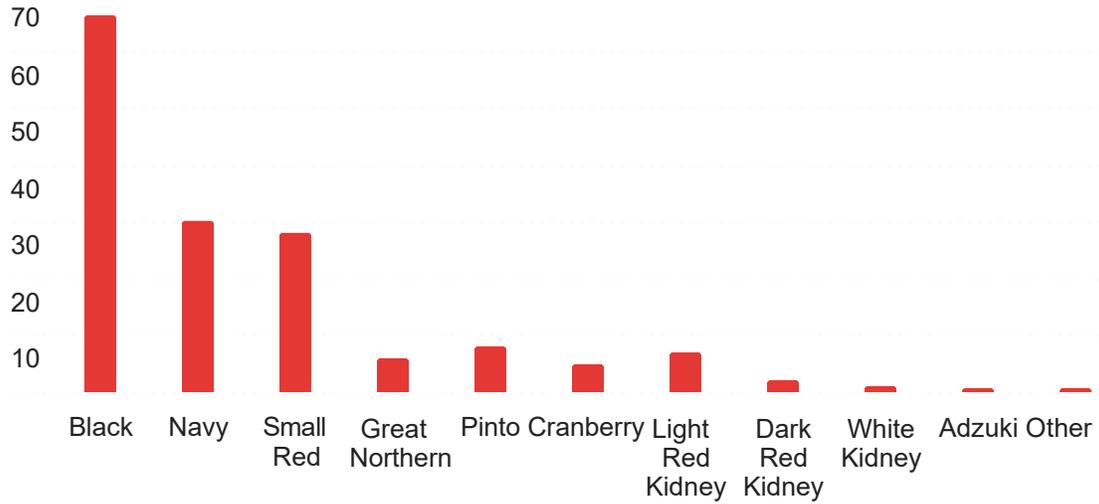
Q5 - On a five-year average our farm raises\_\_\_\_\_ acres of dry beans each year.

Responses 82

Field	Min	Max	Mean	Responses	Sum
1	0.00	8000.00	1191.68	82	97718.00

Q6 - In 2025 I raised \_\_\_\_\_ beans. (Please select all that apply) - Selected Choice

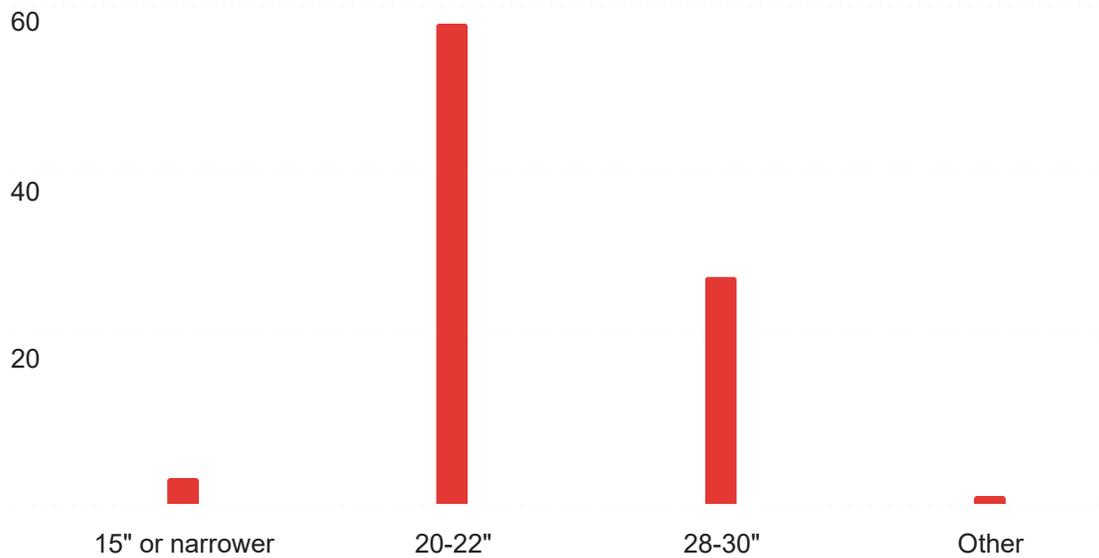
87 Responses



Choice Count

Q7 - What row width are you planting? - Selected Choice

88 Responses



Choice Count

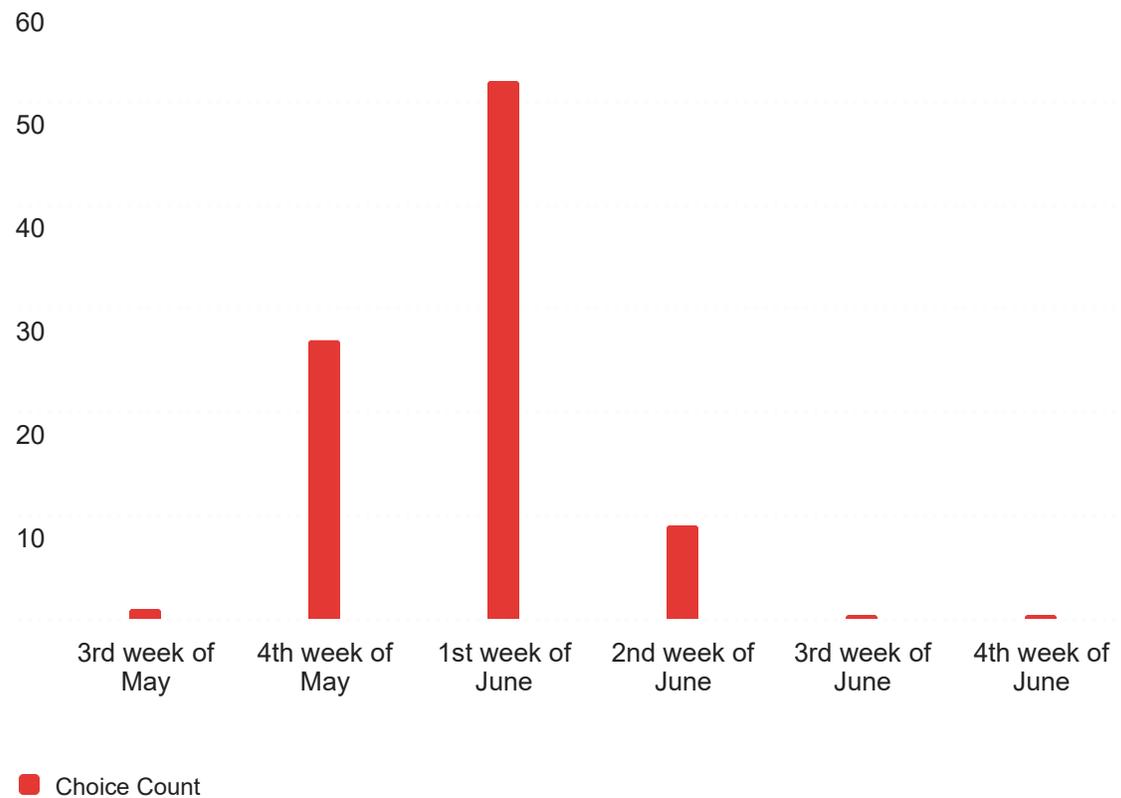
Q8 - I like to plant my dry beans at \_\_\_\_\_ thousand seeds per acre.

85 Responses

Field	Min	Max	Mean	Standard Deviation	Variance	Responses	Sum
Black and Navy	77.00	162.00	112.33	11.73	137.69	80	8986.00
S. Red, Pinto, and G. Northern	60.00	120.00	94.00	11.62	134.91	33	3102.00
Kidney and Cranberry	68.00	166.00	88.55	26.77	716.43	11	974.00

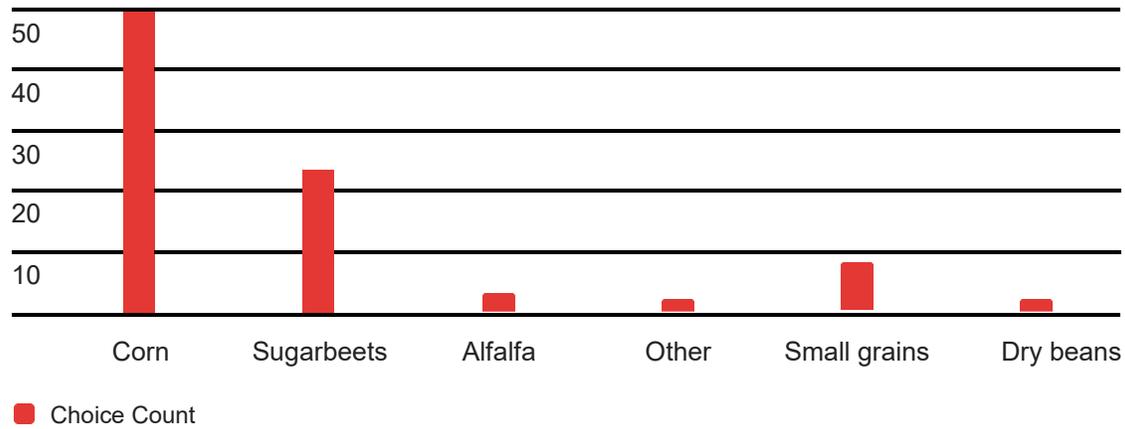
Q9 - When do you like to plant your dry beans given the choice?

89 Responses



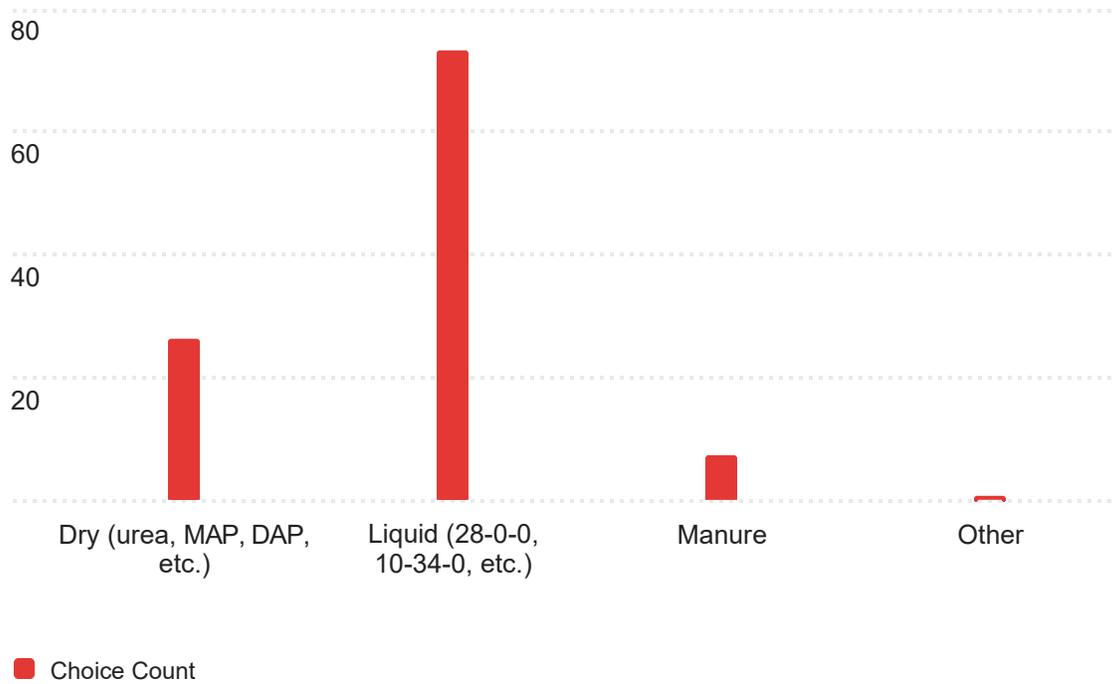
Q10 - Given a choice do you prefer to plant dry beans following: -  
Selected Choice

88 Responses



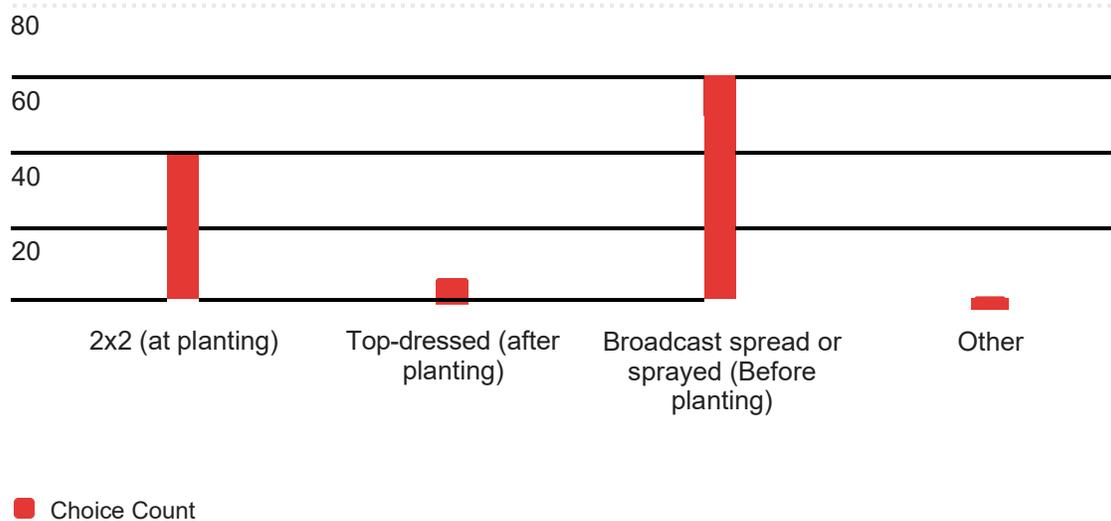
Q11 - Please select your normal source of nitrogen (please select all that apply) - Selected Choice

88 Responses



Q12 - How and when do you apply nitrogen? (Please select all that apply) - Selected Choice

88 Responses



Q13 – How Many total pounds of actual nitrogen do you apply per acre?

Field	Min	Max	Mean	Responses
# Actual Nitrogen Per Acre	20	120	57	85

Q14- How many total pounds per acre of actual phosphorus do you apply?

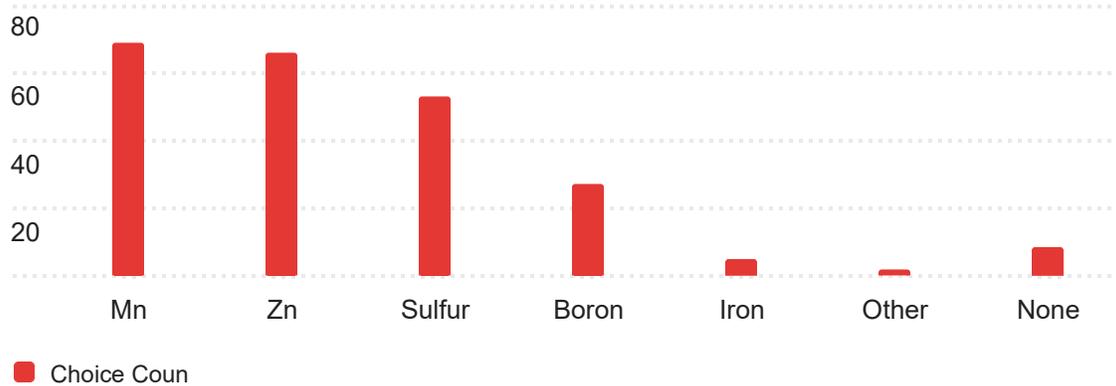
Field	Min	Max	Mean	Responses	Applying only by soil test
# Actual Phosphorus Per Acre	5	62	28	85	35

Q15. How many total pounds per acre of actual Potassium do you apply?

Field	Min	Max	Mean	Responses
# Actual Potassium Per Acre	12	100	57	50

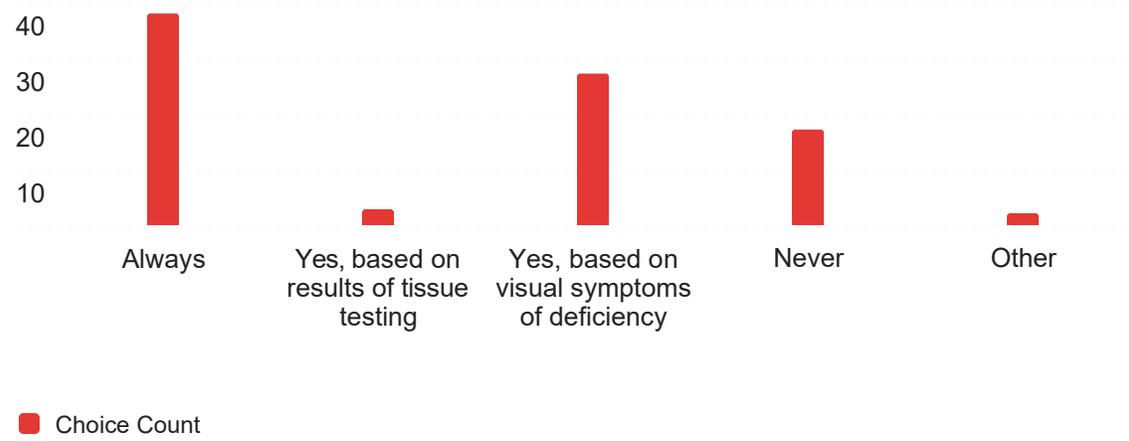
Q16 - What micro-nutrients do you apply to your dry bean crop? (Please select all that apply) - Selected Choice

86 Responses



Q17 - Do you foliar feed your dry bean crop? - Selected Choice

87 Responses



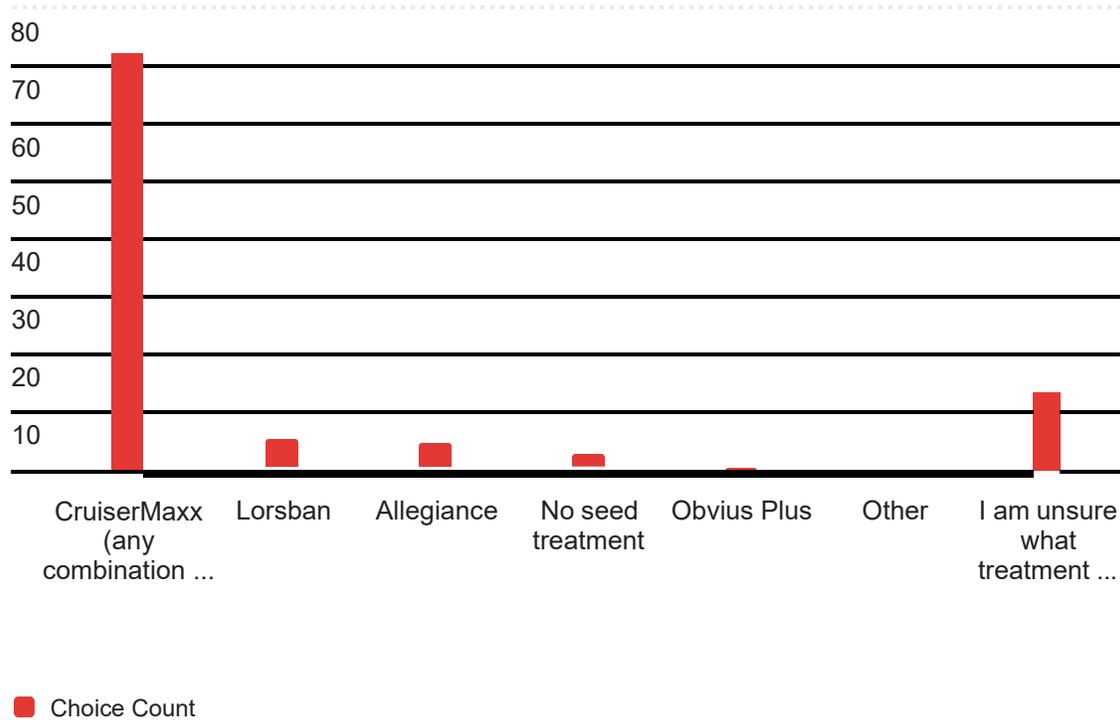
Q18 - Is manure part of your fertility program? - Selected Choice

88 Responses



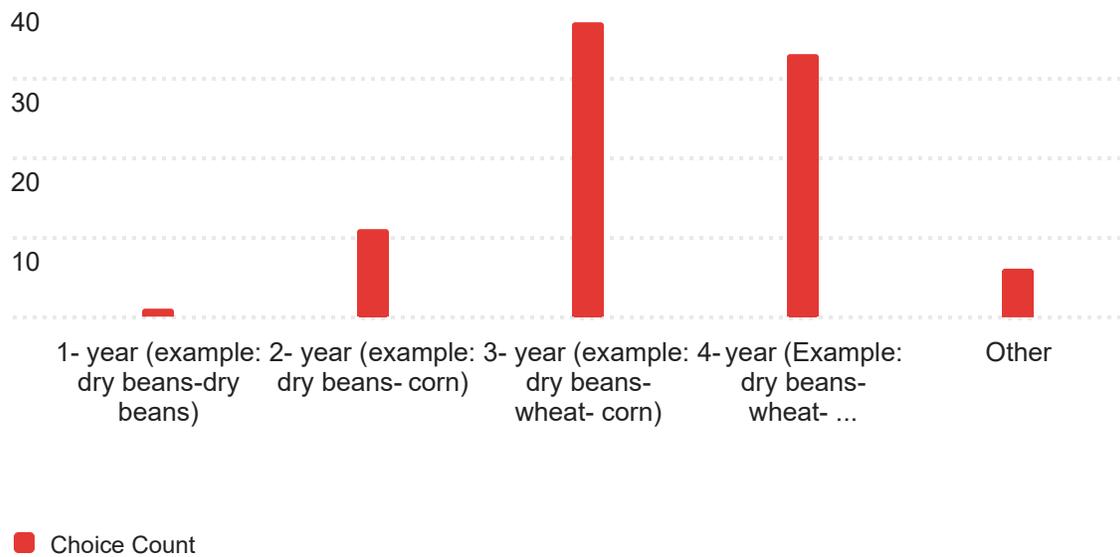
Q19 - What is your most preferred seed treatment? (Please select all that apply) - Selected Choice

87 Responses



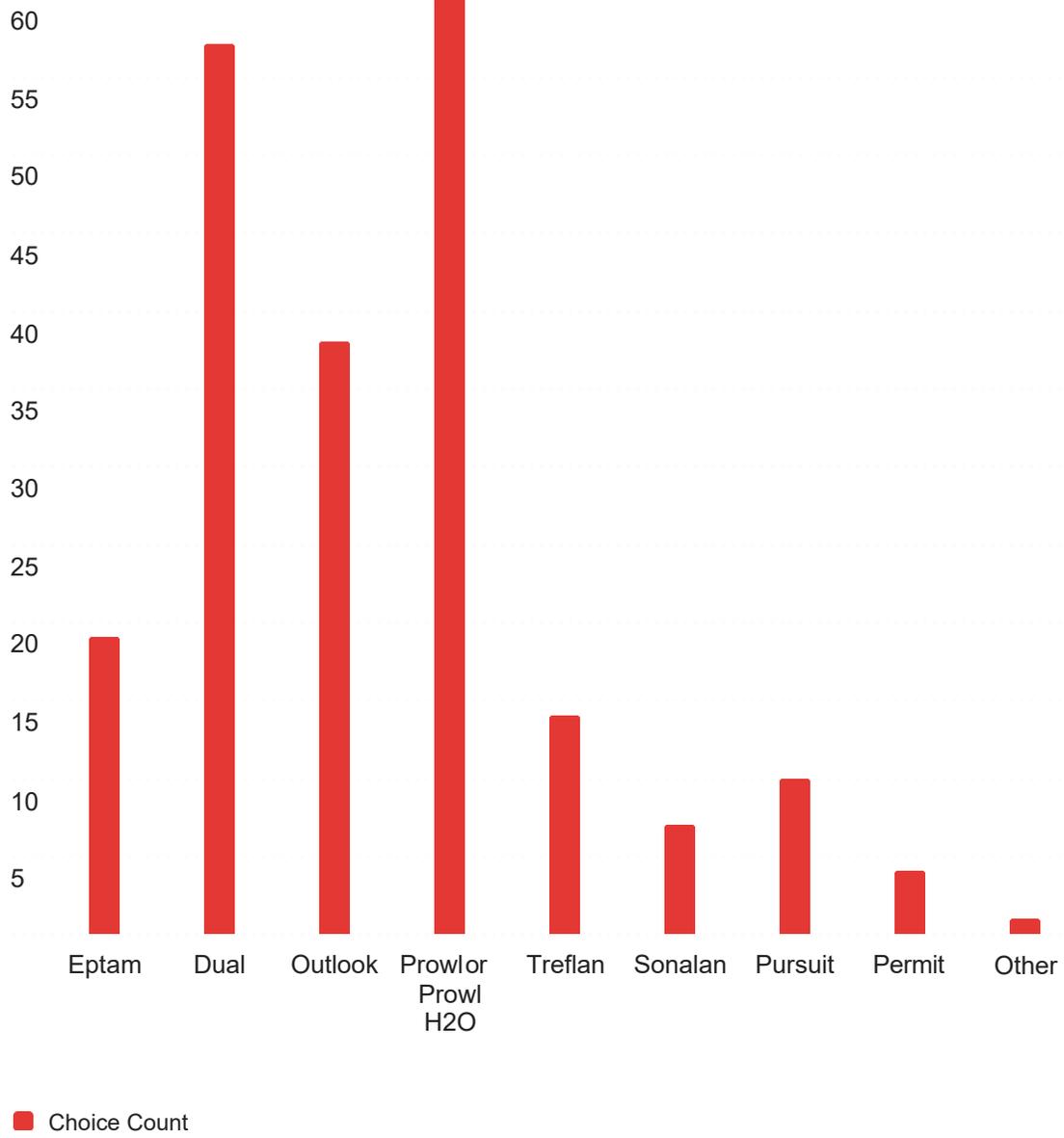
Q20. How many year rotation are your dry beans in?

87 Responses



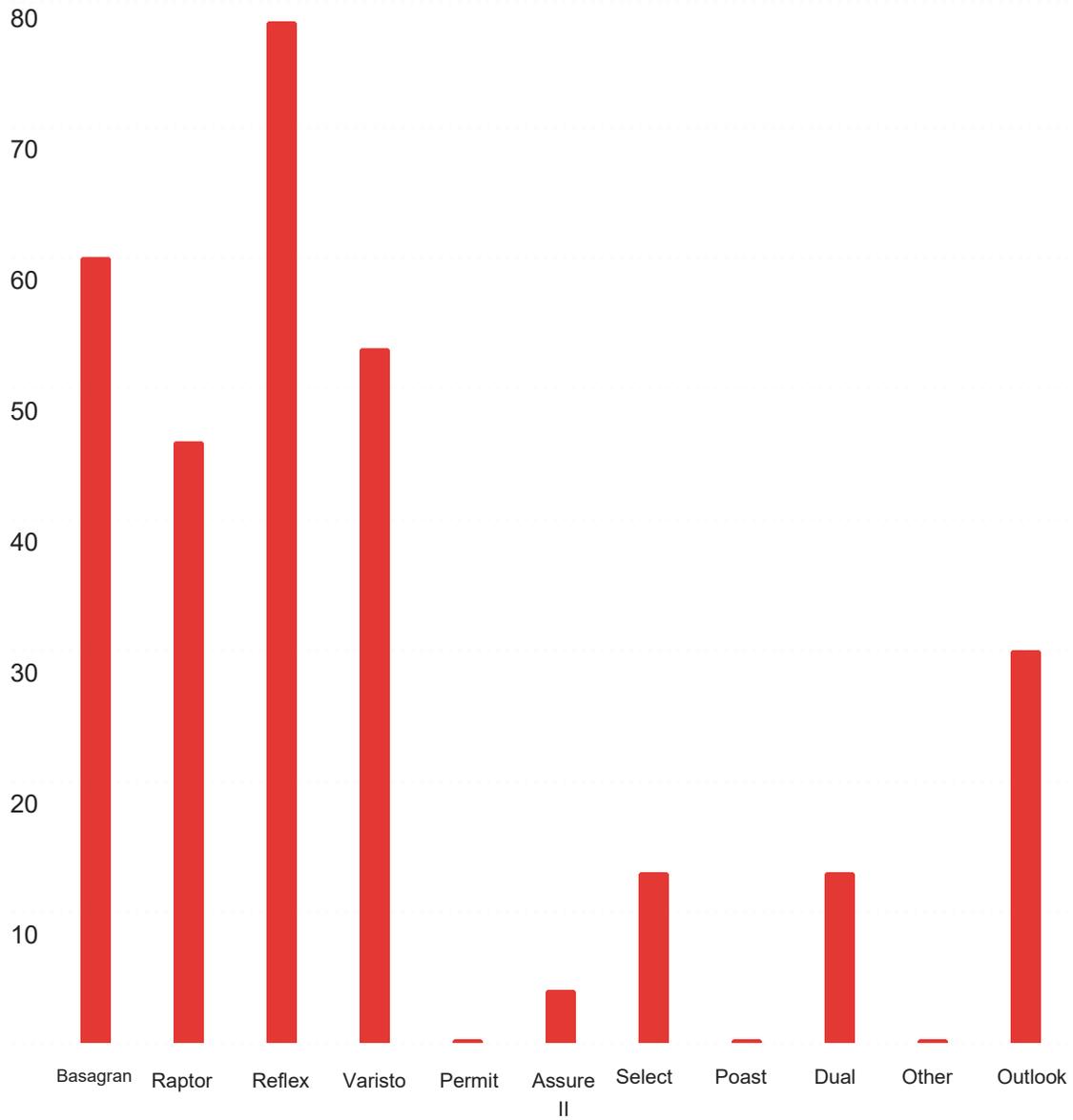
Q21 - What products are included in your preplant weed control? (Please select all that apply) - Selected Choice

87 Responses



Q22 - What products are included in your POST weed control program? (Please select all that apply) - Selected Choice

85 Responses

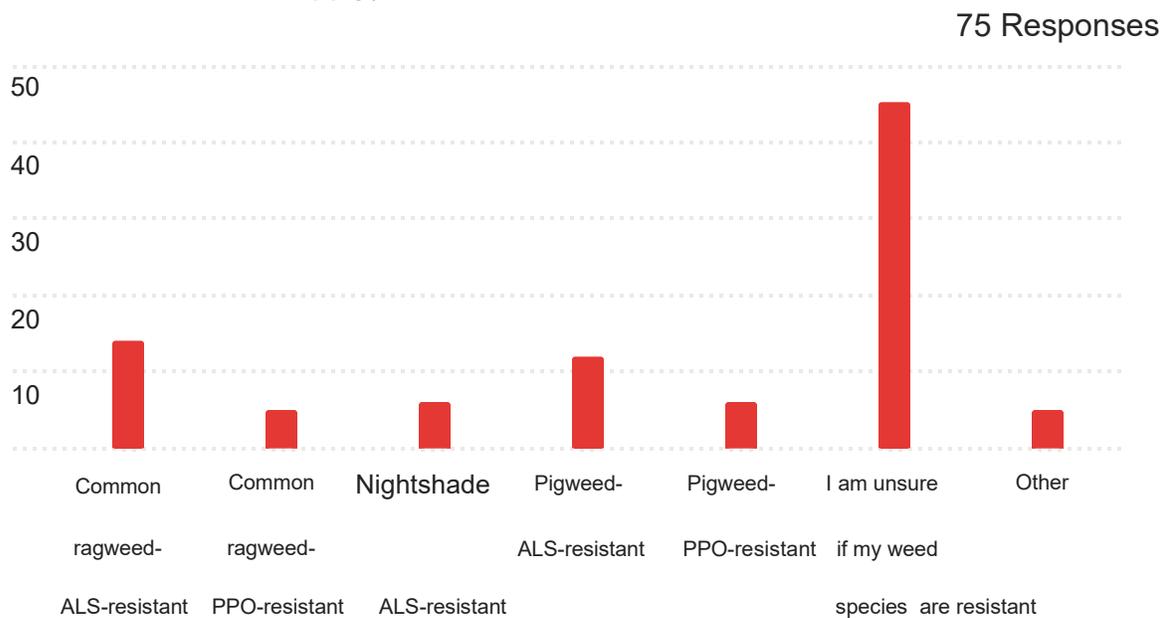


■ Choice Count

Q23- Given your current weed control program, please rank the following weed species are most likely to escape control? (lower values are more likely to escape)

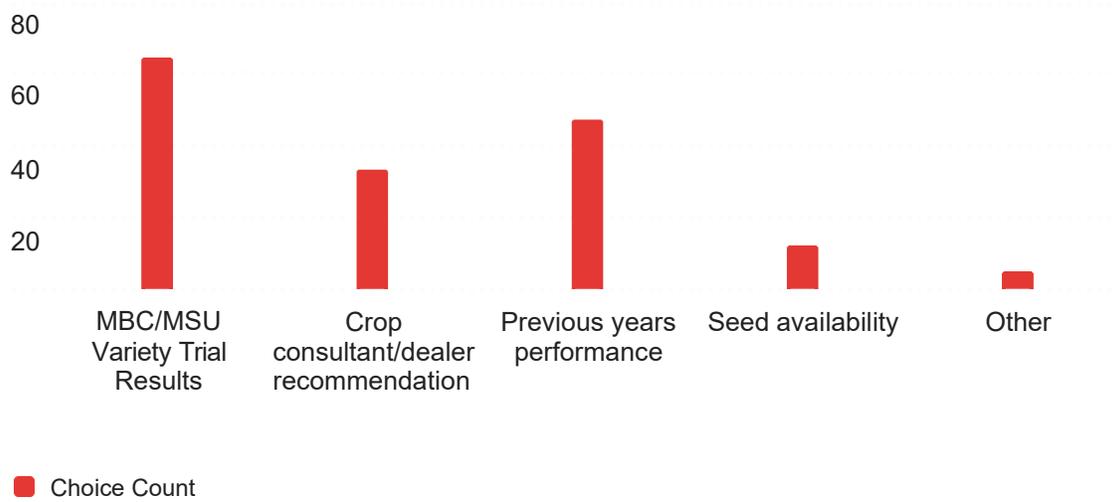
Field	Mean	Responses
Other	5.57	86
Grass	5.12	86
Horseweed (Marestail)	4.45	86
Nightshade	4.26	86
Ragweed	3.57	86
Pigweed	2.91	86
Lambsquarter	2.13	86

Q24- Do you have any of the following resistant weeds in your dry bean fields? (Please select all that apply) - Selected Choice

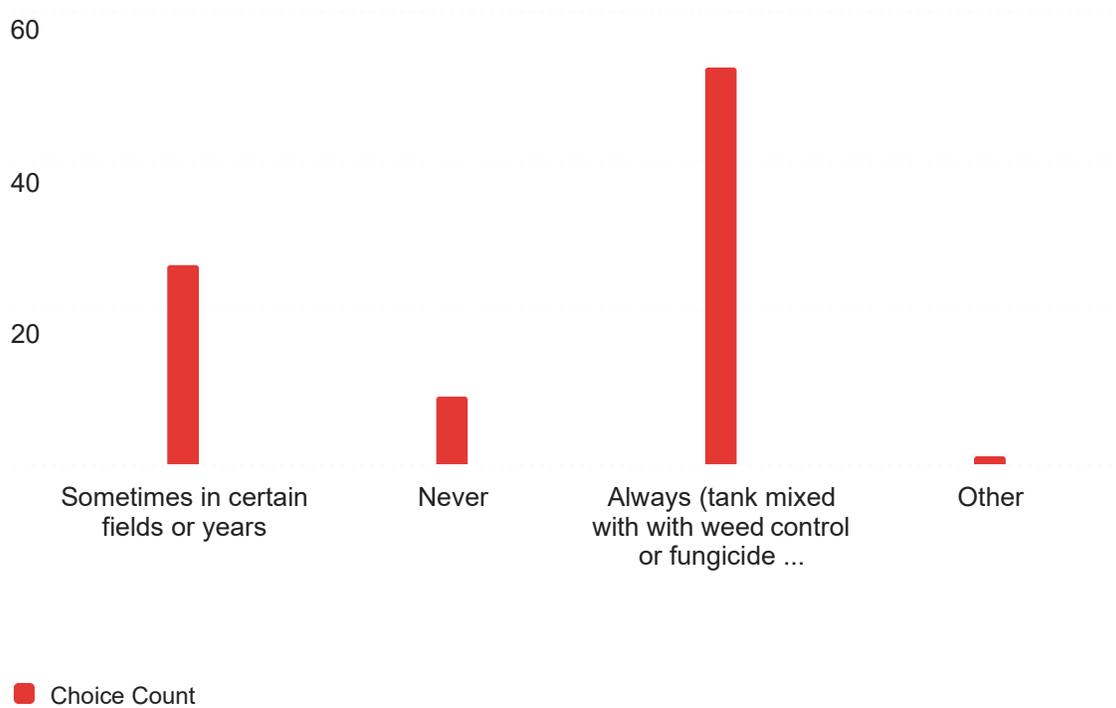


■ Choice Count

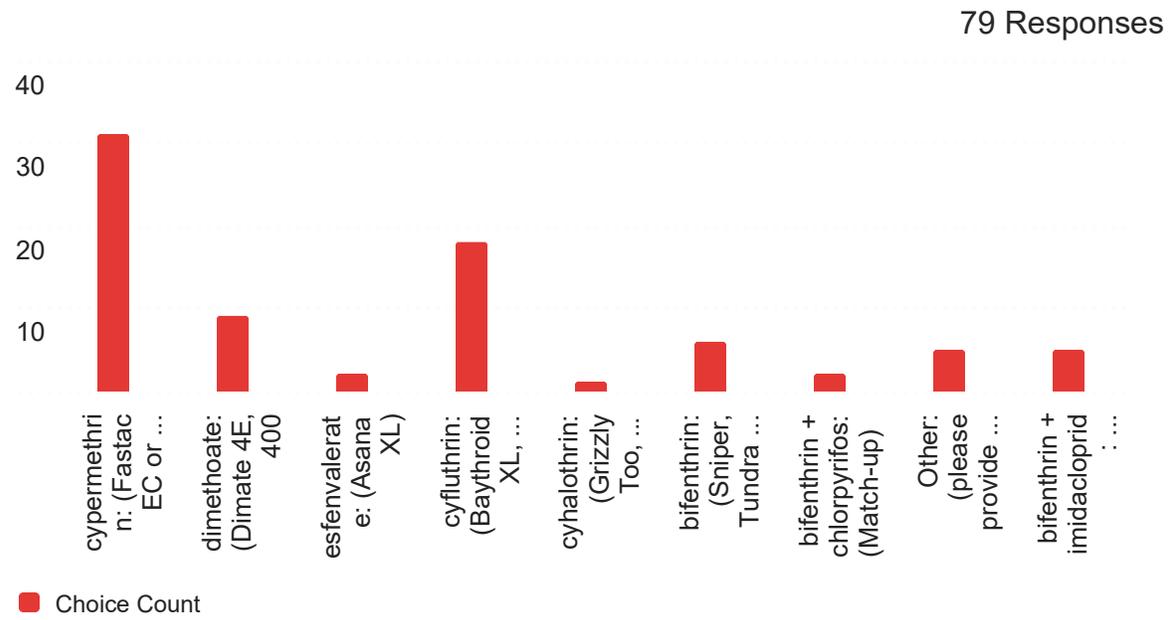
Q25- How do you select what dry bean variety or varieties you choose to plant? (Please select all that apply) - Selected Choice 87 Responses



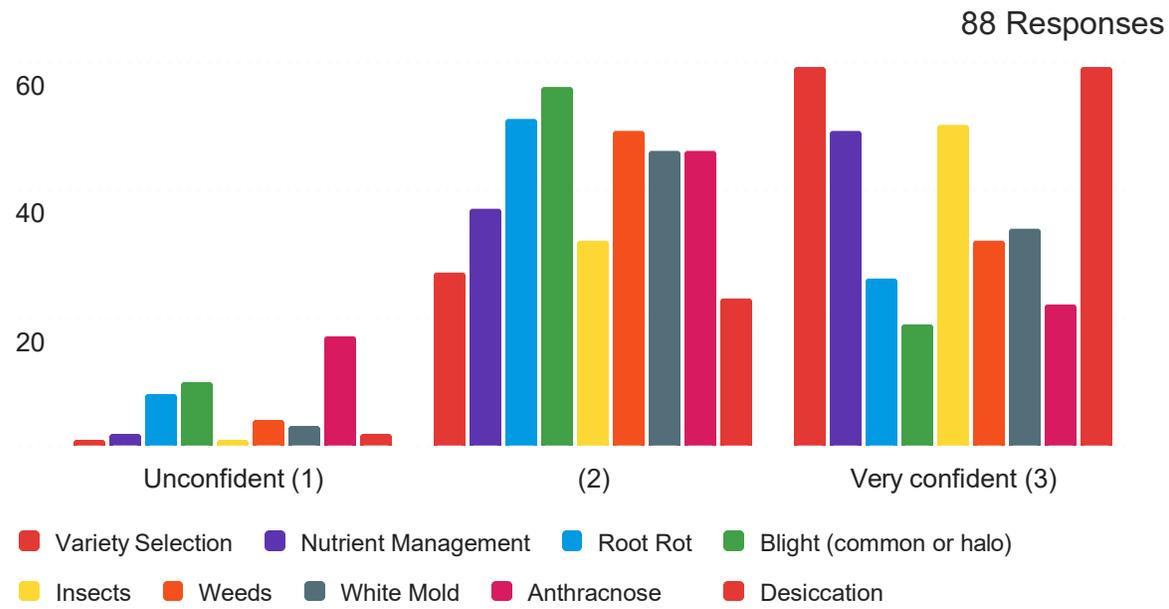
Q26 - Do you use a foliar insecticide? - Selected Choice 88 Responses



Q27 - What is your most preferred/used insecticide? - Selected Choice

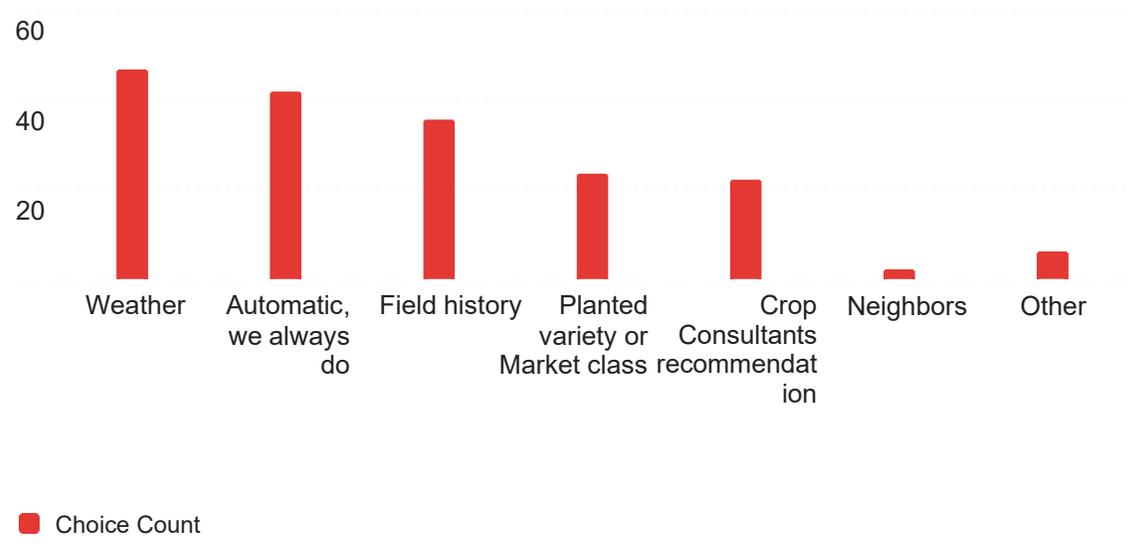


Q28- How confident do you feel confident in the decisions you make in the management of dry beans in the following categories:



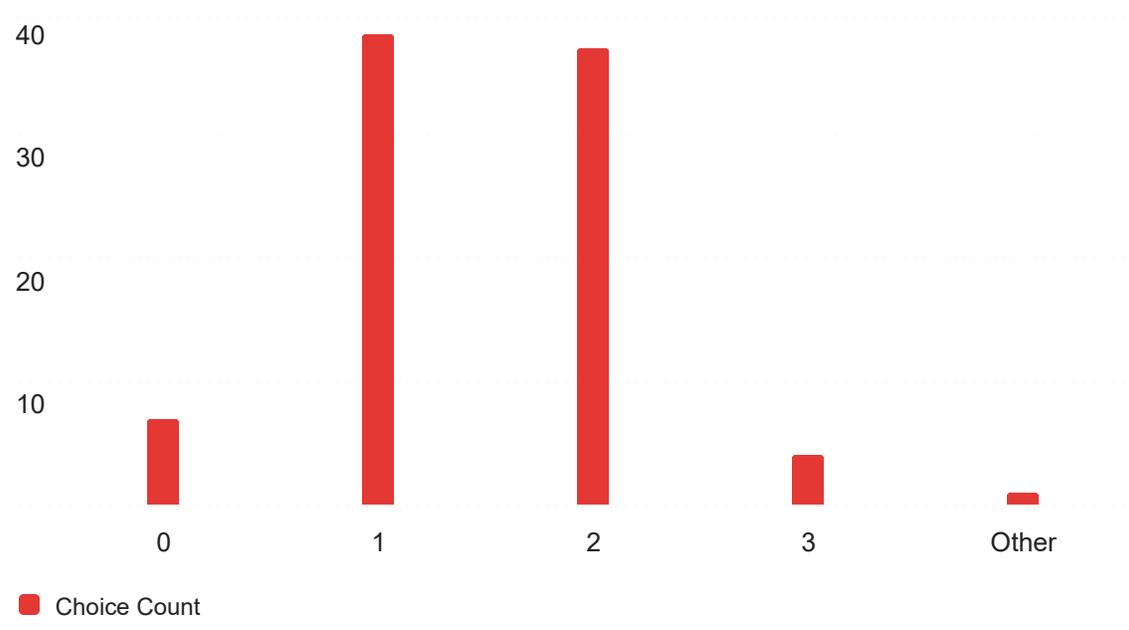
Q29 - How do you determine when or if you will apply a white mold fungicide? (Please check all that apply) - Selected Choice

88 Responses



Q30 - On a 5-year average, how many white mold fungicide applications do you plan? - Selected Choice

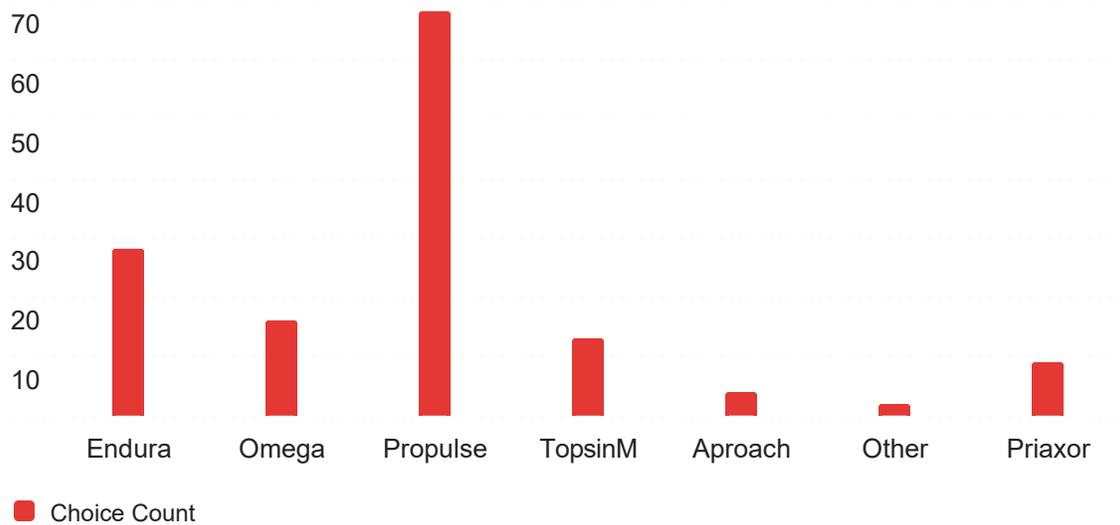
87 Responses



Q31 - What is your most preferred white mold treatment?

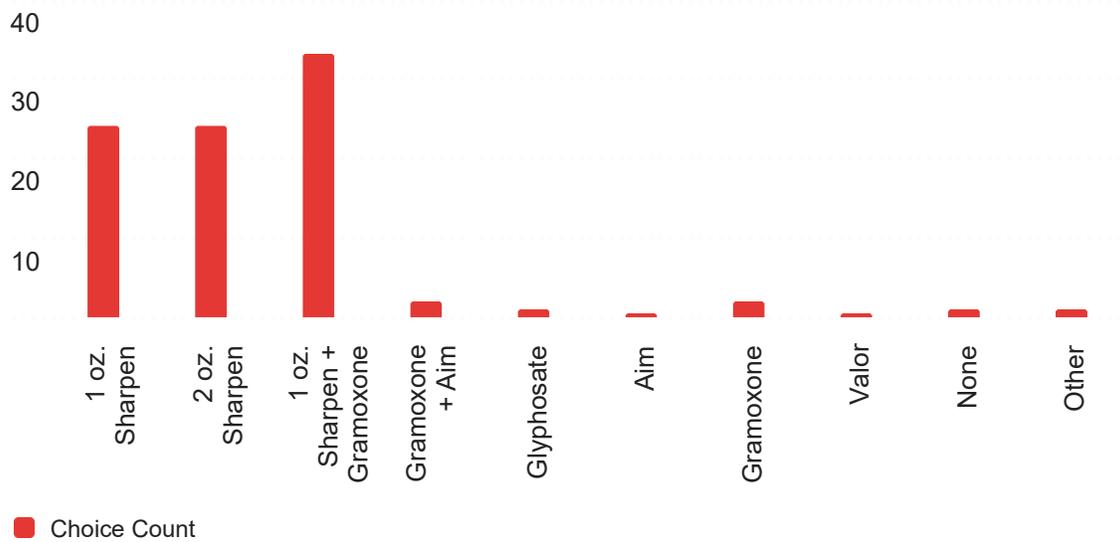
(Please select all that apply, example: multiple applications or mixtures) - Selected Choice

85 Responses



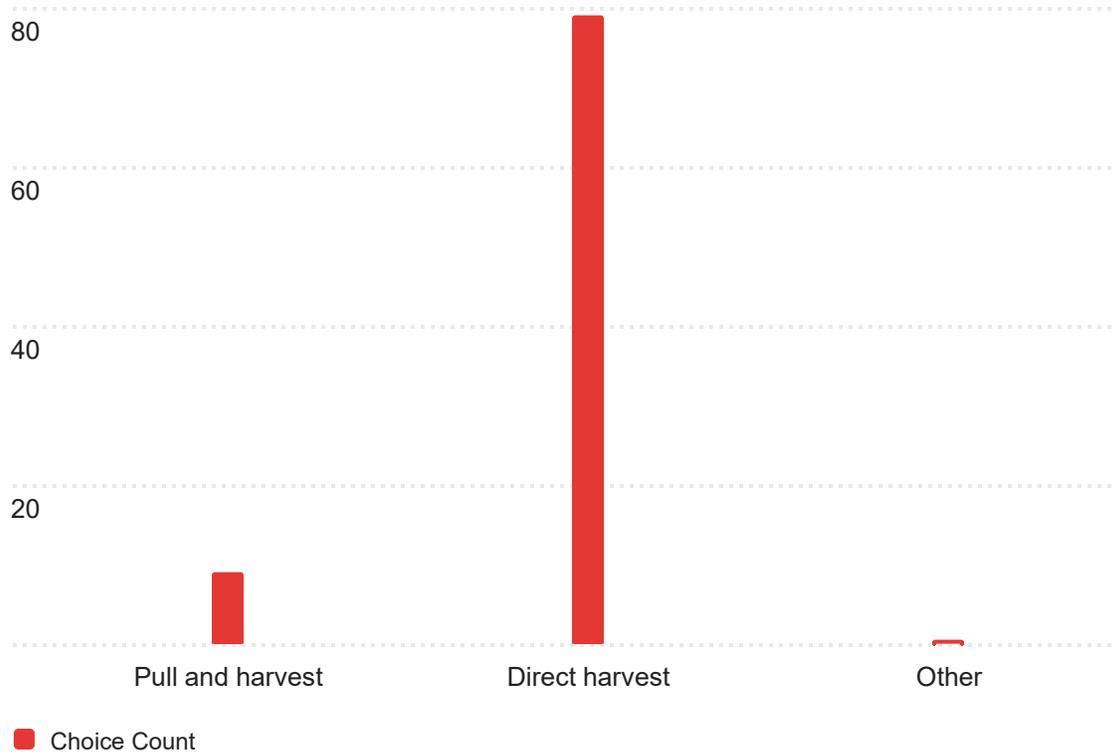
Q32 - What is your most preferred harvest aid? - Selected Choice

88 Responses



Q33 - What is the preferred method of dry bean harvest on your farm?  
 (Please select all that apply) - Selected Choice

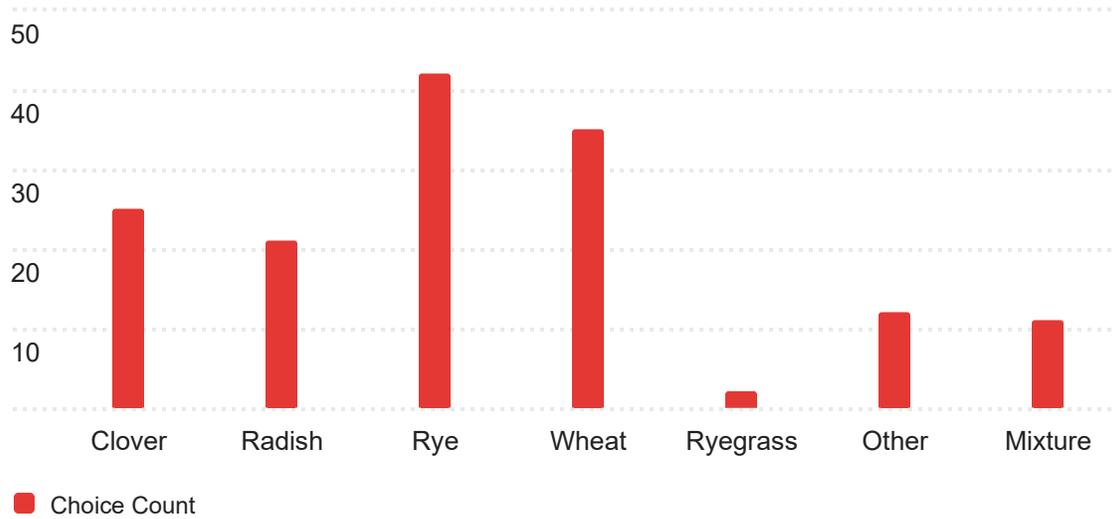
88 Responses



Q34- What percentage of your farm acres would have a cover crop?

Min	Max	Mean	Response
0	100	54.7	80

Q35 - What is your most preferred cover crop? (Please select all that apply) -



Q36 - What dry bean disease causes the highest yield loss on your farm? (Lower values = higher yield loss)

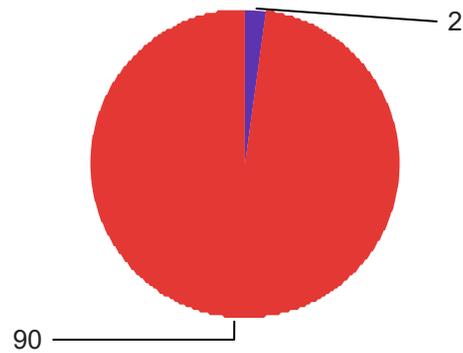
Field	Mean	Responses
White Mold	1.48	86
Root Rot	2.27	86
Bacterial Blight	3.33	86
Anthracnose	3.38	86
Other	4.55	86

Q37- Please rank what areas of dry bean production need further research to help increase dry bean yields on your farm?

Field	Mean	Responses
Weed control	3.36	87
White mold	3.39	87
Variety development	4.39	87
Root rot	5.21	87
Soil fertility	5.94	87
Anthracoese	6.29	87
Wildlife damage	6.38	87
Insect control	6.47	87
Desiccants	6.53	87
Rolling	8.56	87
Other	9.48	87

Q38 - From work done by the Michigan Bean Commission/MSU have you gained knowledge about science based practices to manage pest/diseases on your farm?

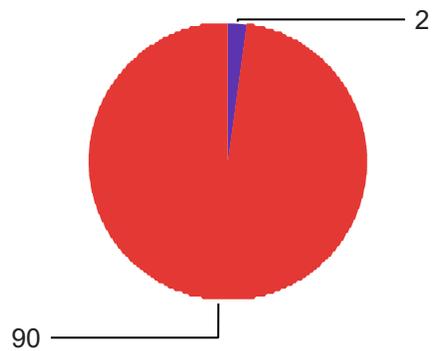
92 Responses



■ No ■ Yes

Q39 - Based on work done by the Michigan Bean Commission/MSU have you gained knowledge about tools, varieties, or practices that can make your farm more sustainable (Economic or environmentally)?

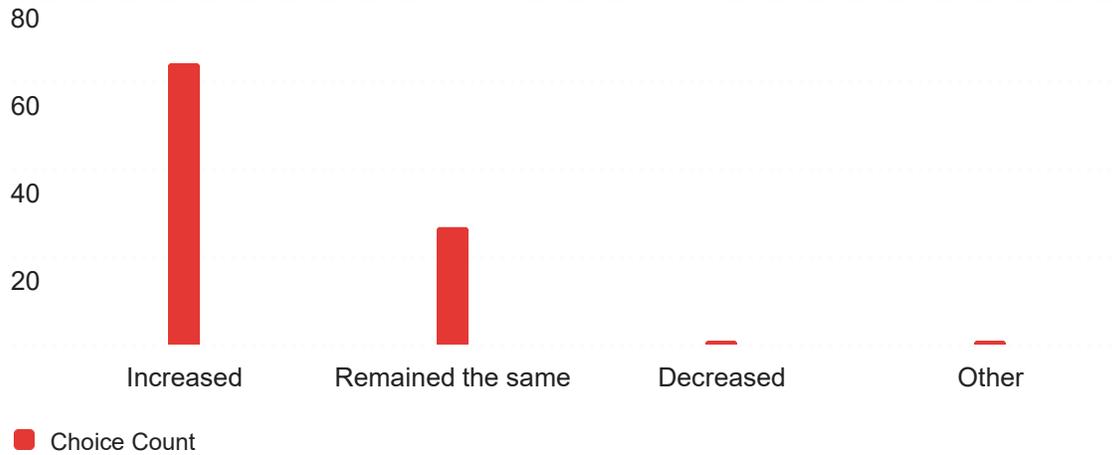
92 Responses



■ No ■ Yes

Q40 - On average my dry bean yields have \_\_\_\_\_ over the past 5 years. - Selected Choice

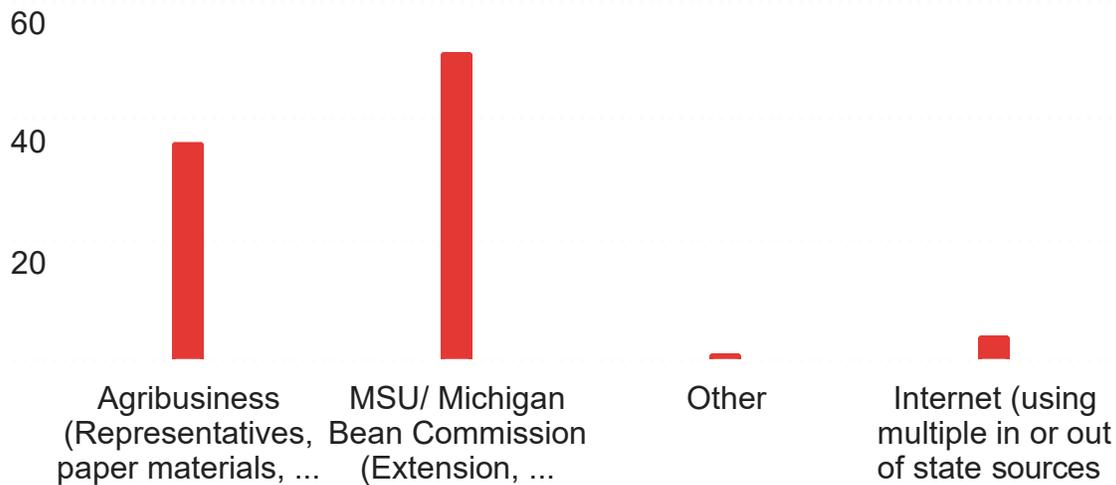
92 Responses



Q41 - Where do you get the majority of information on dry bean pest when you need it? (Weeds, Insects, Diseases, etc.)

- Selected Choice

92 Responses





# **MICHIGAN BEAN COMMISSION**

**Production Research Advisory Board**

## ***Production Practices Survey***

1. Open the camera on your smartphone
2. Hold it over the QR code below
3. Click on the link that appears at the top of the screen
4. Complete the survey on dry bean production practices and help direct future research!

***Thank you!***



**We thank 2026 PRAB Board  
Members for their service:**

**Chair: Chase Voelker  
Steve Ewald  
Ted Bauer  
Jessica Rader  
Dan Hensler  
Amy Sweeney  
Justin Edwards  
Keith Waldron  
Mark Shaw  
Chris Creguer  
JJ Metz  
Aaron Fahrner**

**A Michigan Bean Commission Publication  
2026**