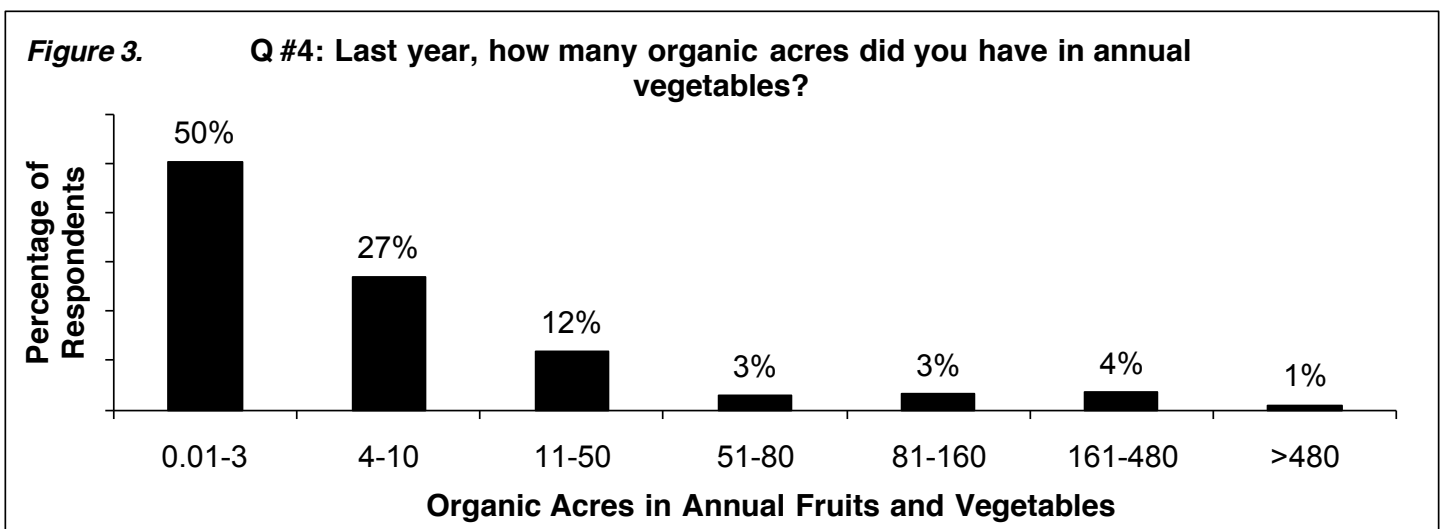
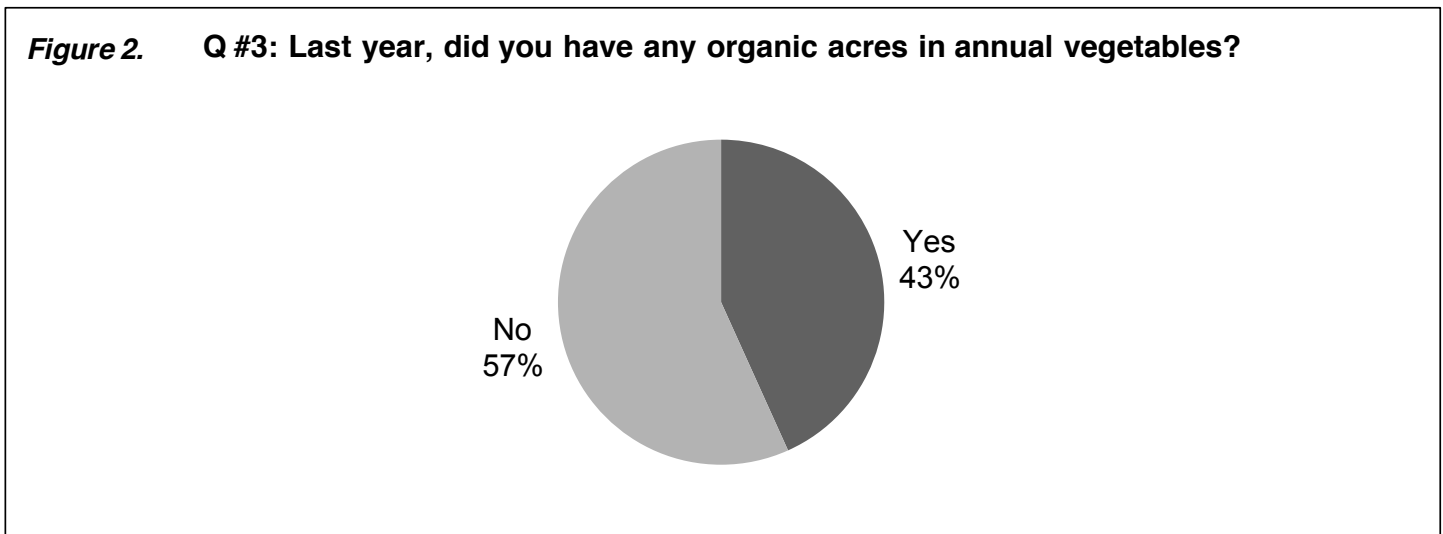
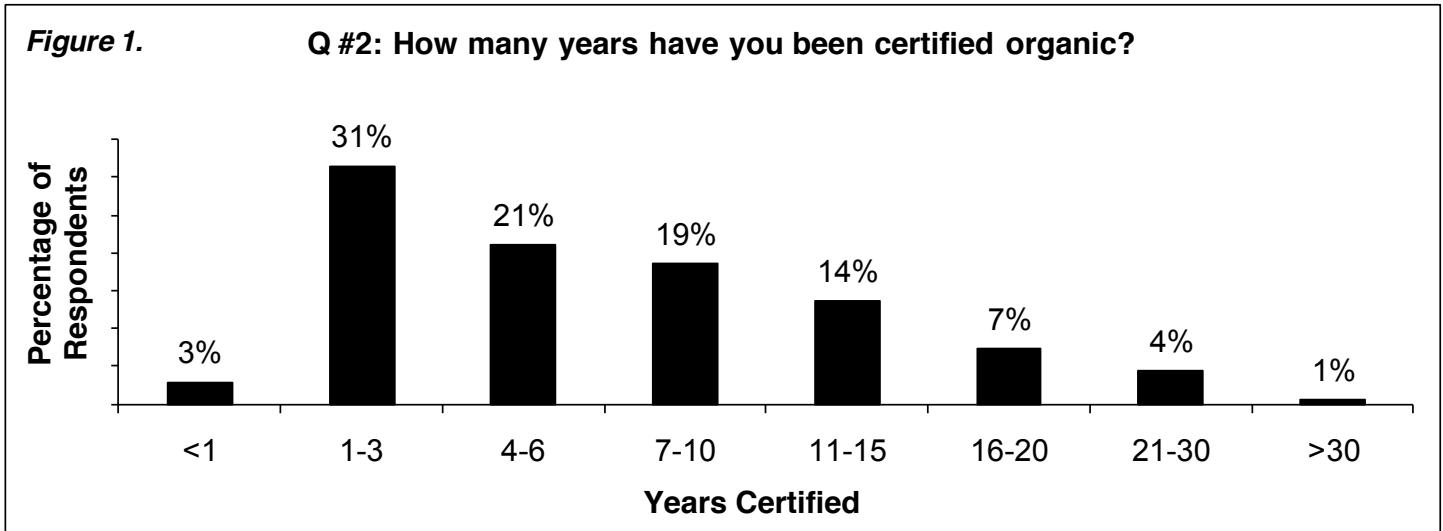
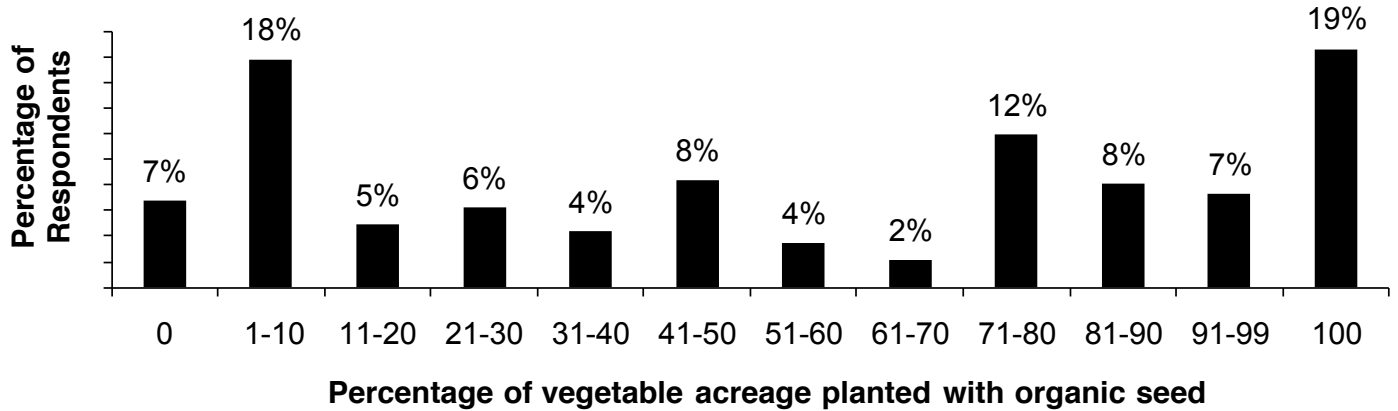


**Q #1: In which state do you farm?** 1027 responses from 45 states and territories.

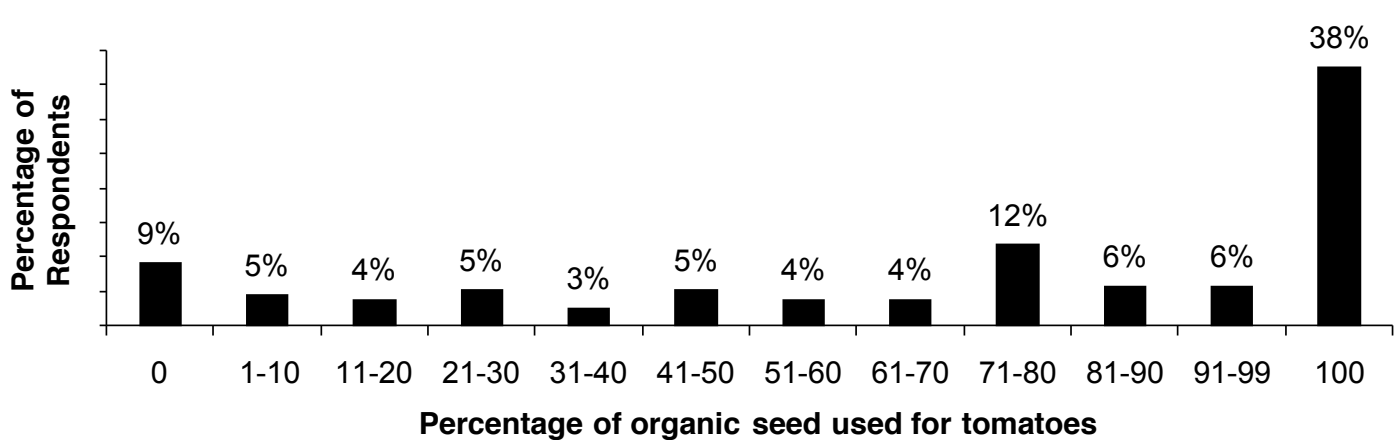


**Figure 4. Q #5: Last year, what approximate percentage of total acreage of annual vegetables was planted with certified organic seed?**

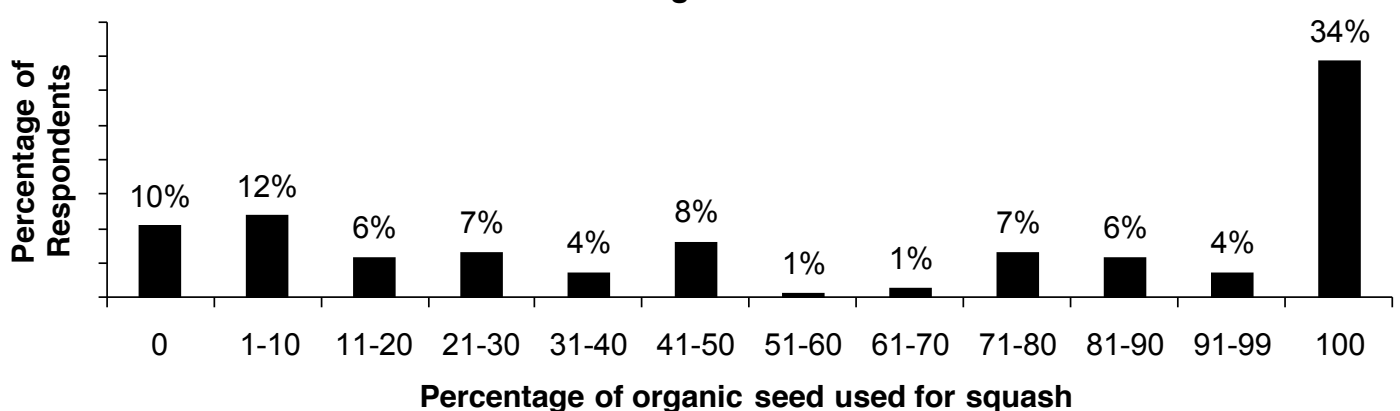


**Q #6: Last year, what were your top three annual vegetable crops by acreage, and what percentage of certified organic seed did you use for each?**

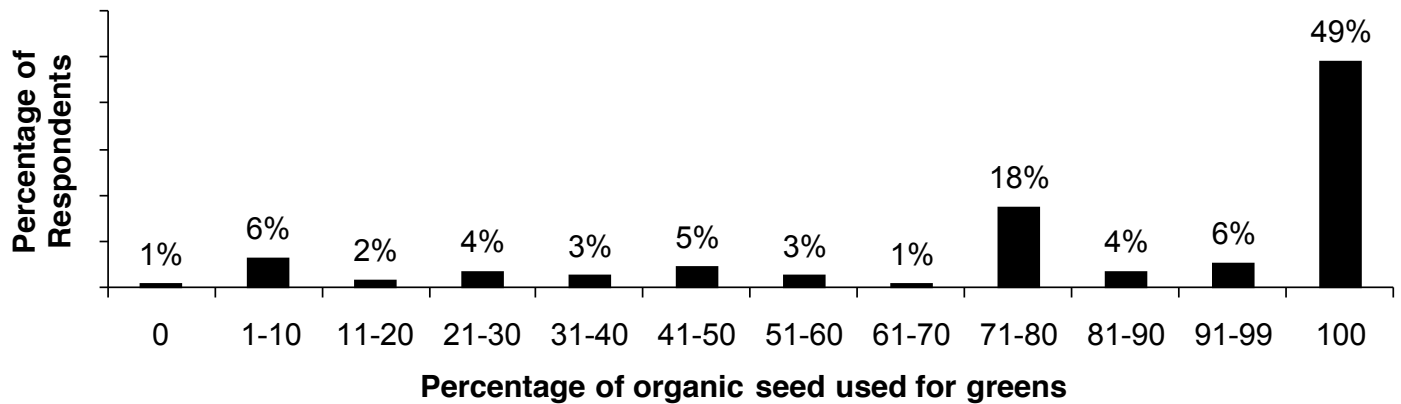
**Figure 5. Q #6: Percent organic seed used for TOMATOES - the #1 vegetable**



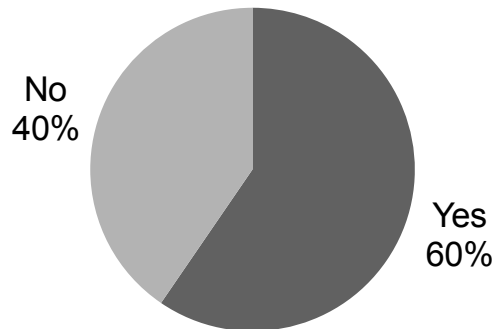
**Figure 6. Q #6: Percent organic seed used for SUMMER / WINTER SQUASH - the #2 vegetable**



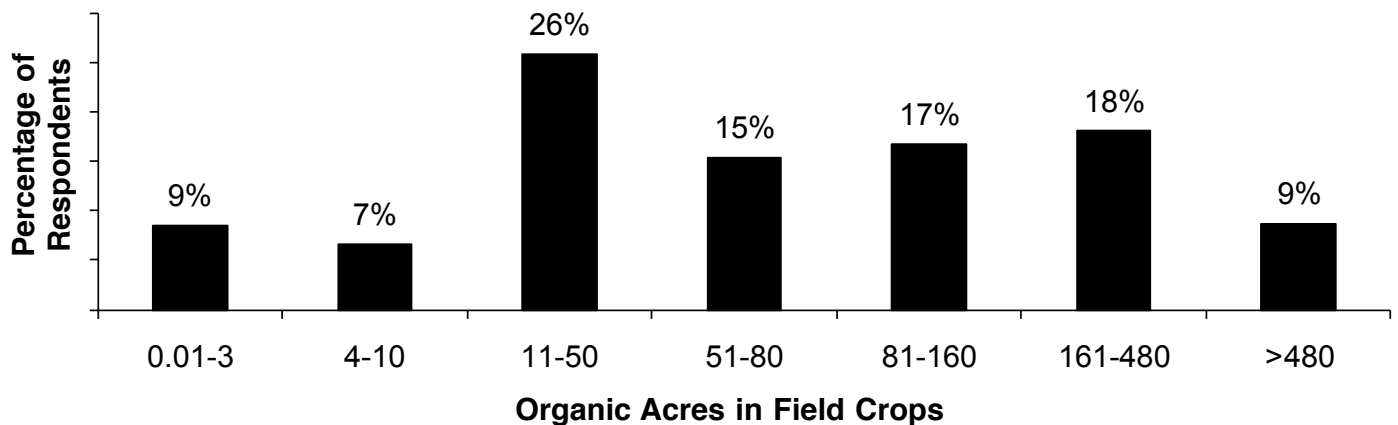
**Figure 7. Q #6: Percent organic seed used for GREENS - the #3 vegetable**



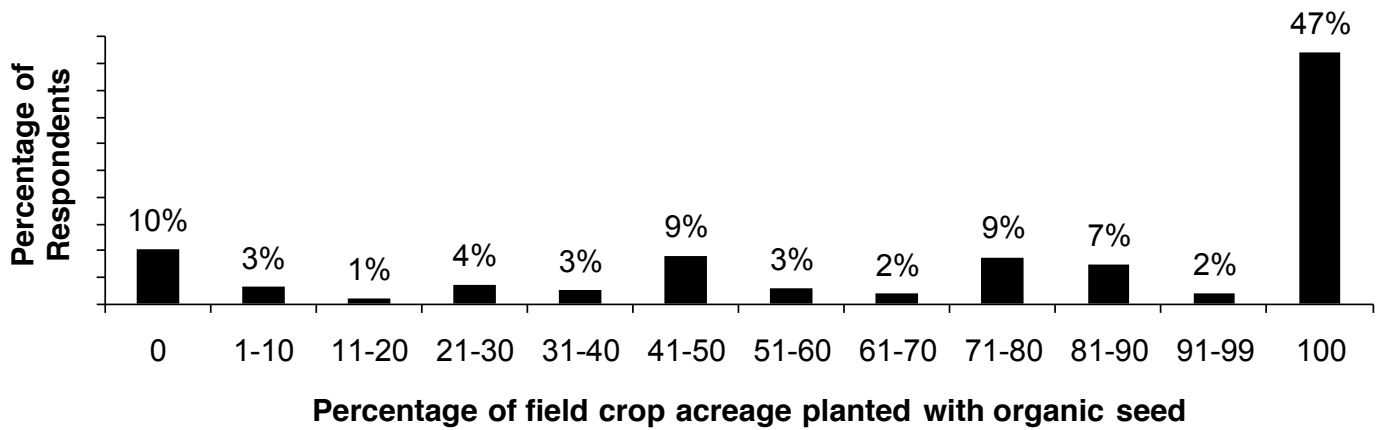
**Figure 8. Q #7: Last year, did you have any organic acres in field crops?**



**Figure 9. Q #8: Last year how many organic acres did you have in field crops?**

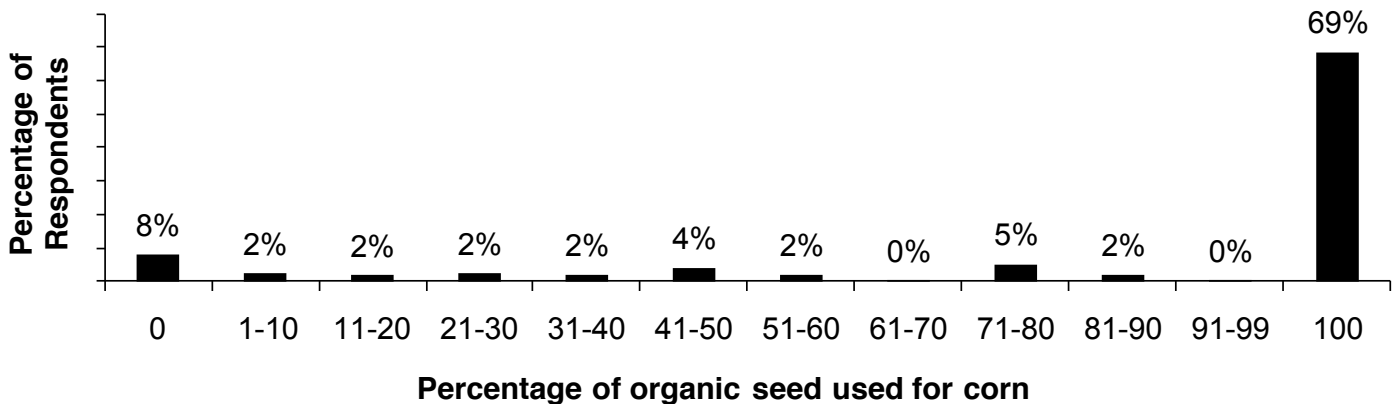


**Figure 10. Q #9: Last year, what approximate percentage (%) of total acreage of field crops was planted with certified organic seed?**

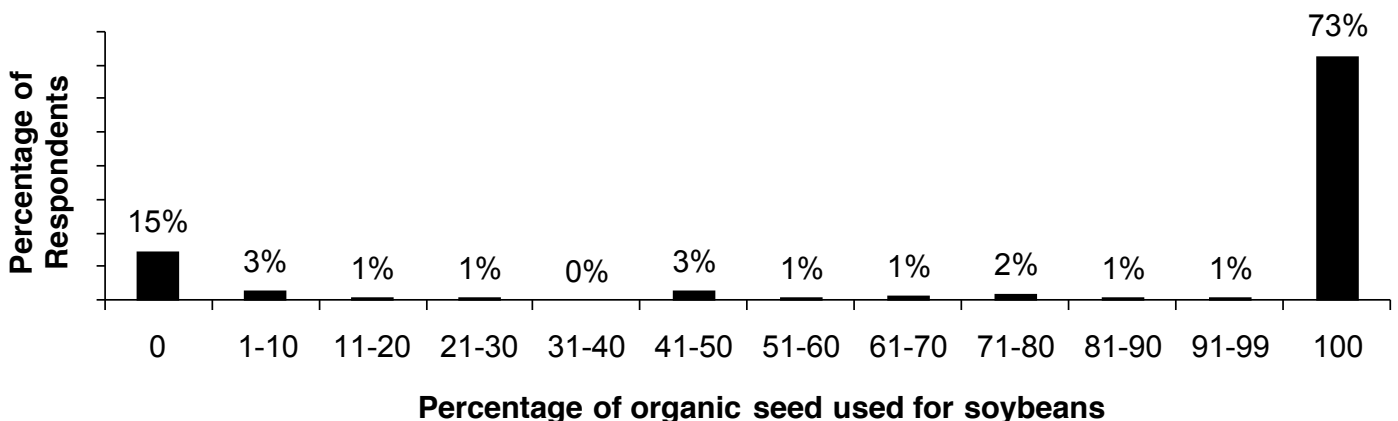


**Q #10: Last year, what were your top 3 field crops by acreage? And what percentage of organic seed do you use for each?**

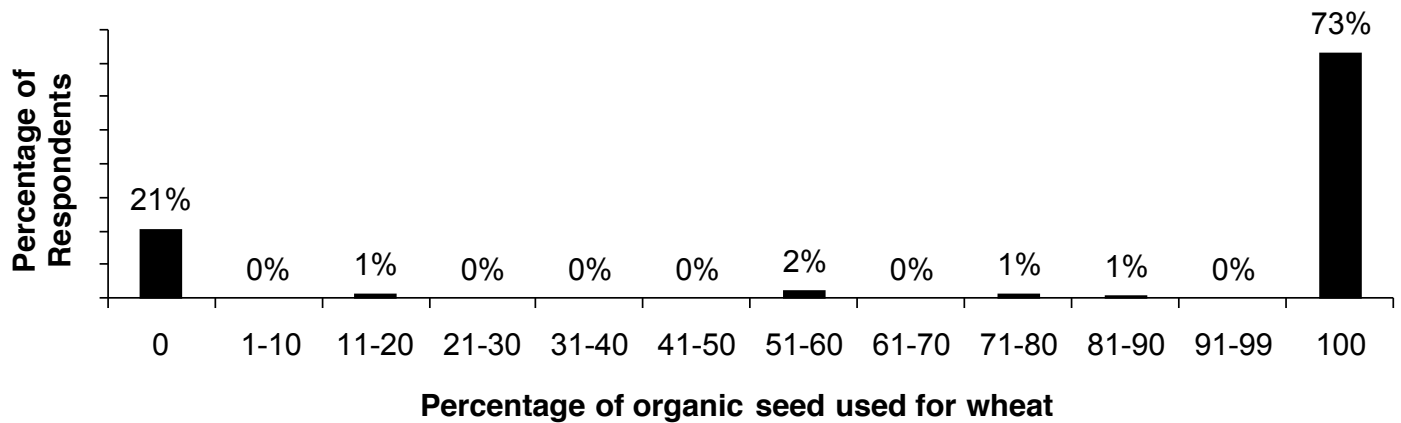
**Figure 11. Q #10: Percent organic seed used for CORN - the #1 field crop**



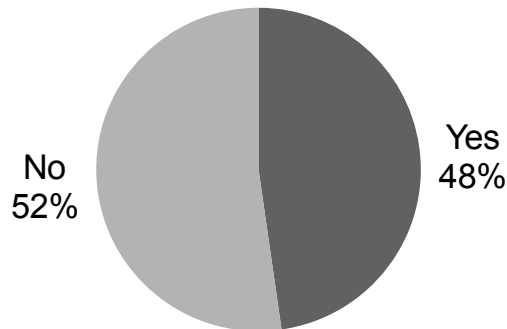
**Figure 12. Q #10: Percent organic seed used for SOYBEANS - the #2 field crop**



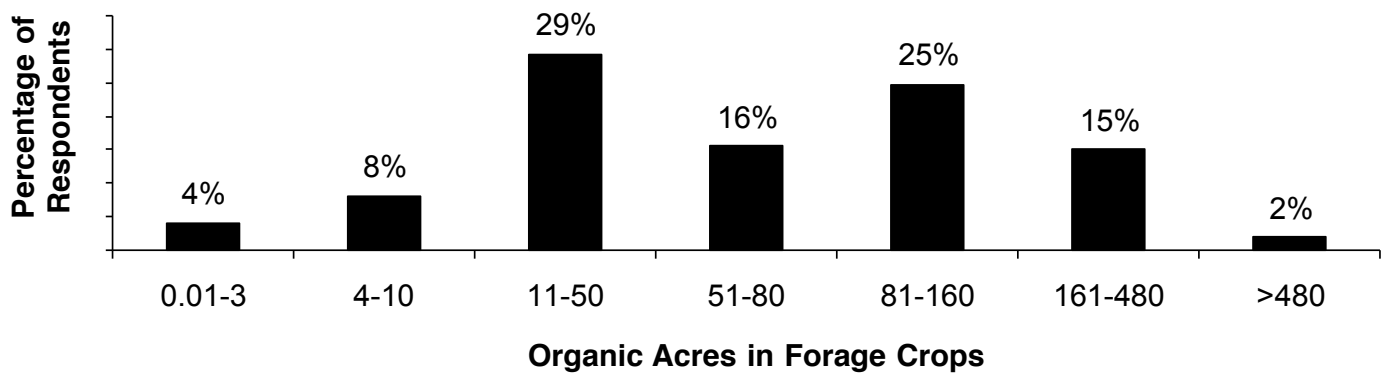
**Figure 13. Q #10: Percent organic seed used for WHEAT - the #3 field crop**



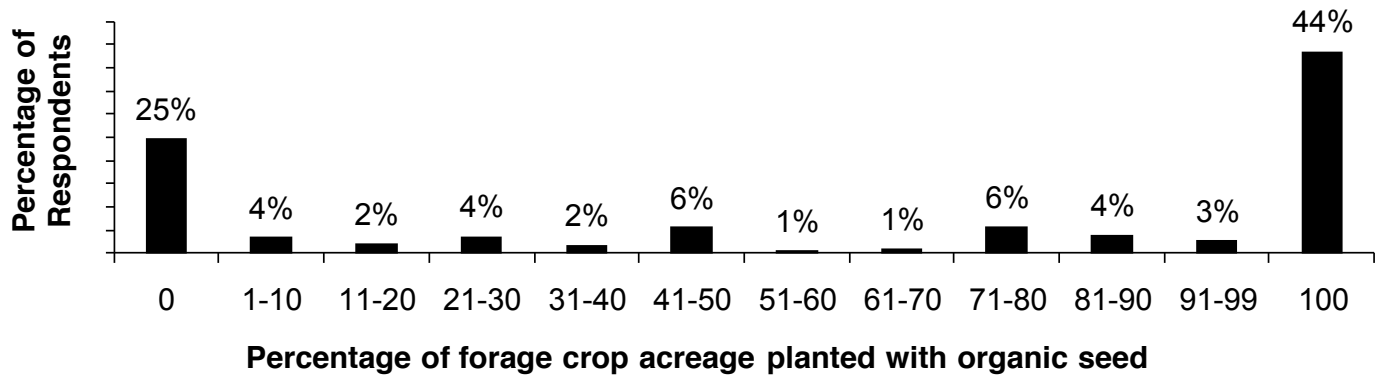
**Figure 14. Q #11: Last year, did you have any organic acres in forage crops?**



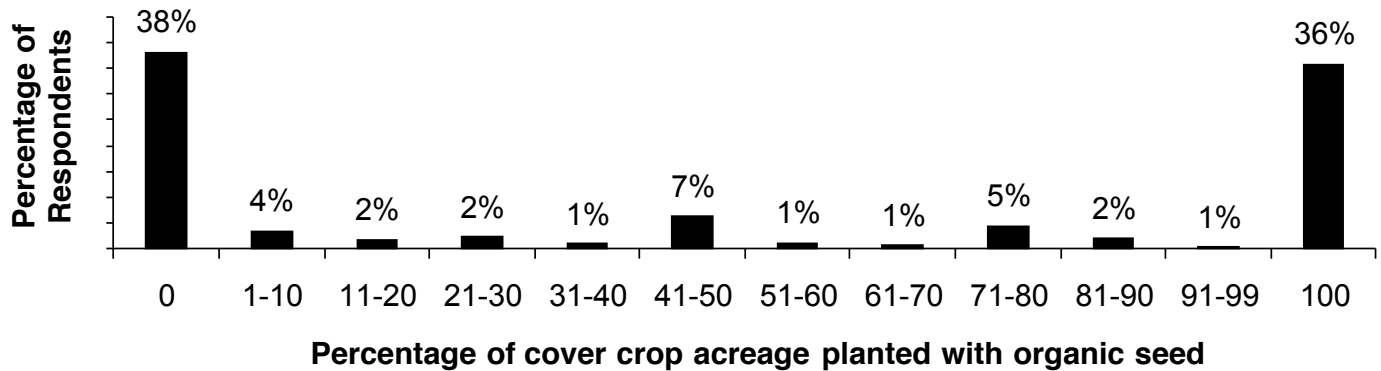
**Figure 15. Q #12: Last year, how many organic acres in a given season do you have in forage crops?**



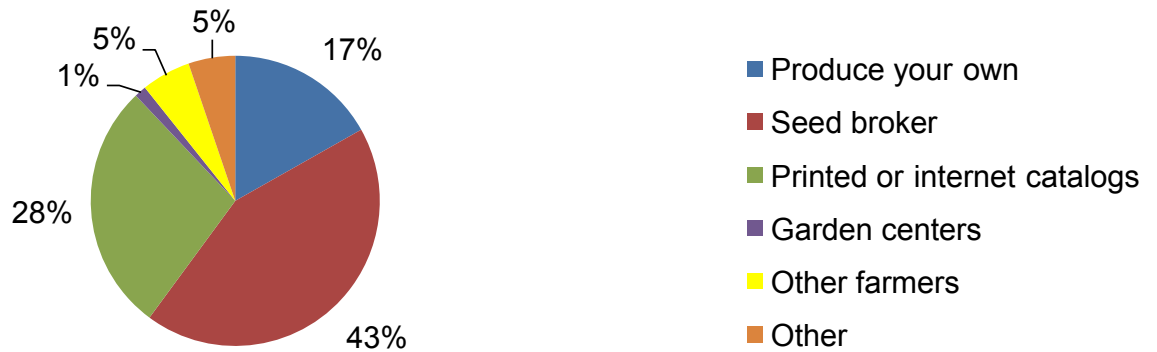
**Figure 16. Q #13: Last year, what approximate percentage (%) of total acreage of forage crops is planted with certified organic seed?**



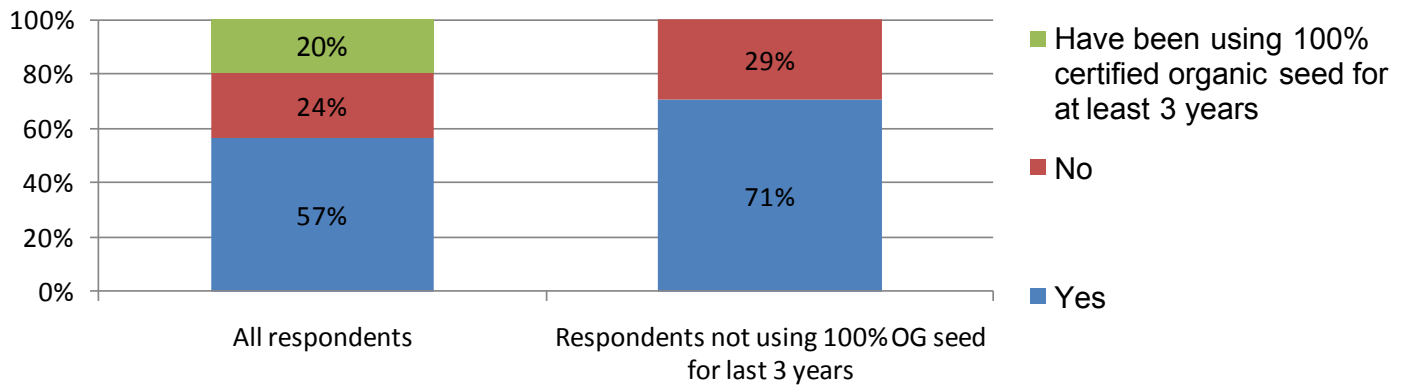
**Figure 17. Q #14: Last year, what approximate percentage (%) of total acreage of green manure and cover crops is planted with certified organic seed?**



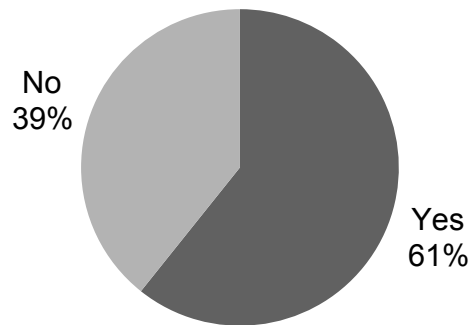
**Figure 18. Q #15: In the last year, what percent of your seed did you get from the following sources?**



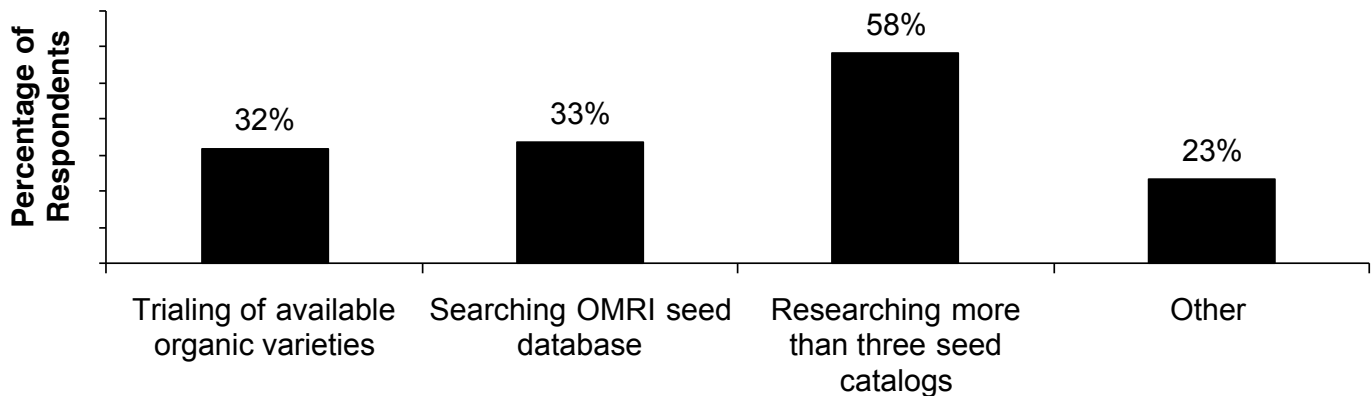
**Figure 19. Q #16: Over the last 3 years have you increased the percentage of organic seed that you use?**



**Figure 20. Q #17: Over the last three years has your certifier requested that you take greater steps to source organic seed?**



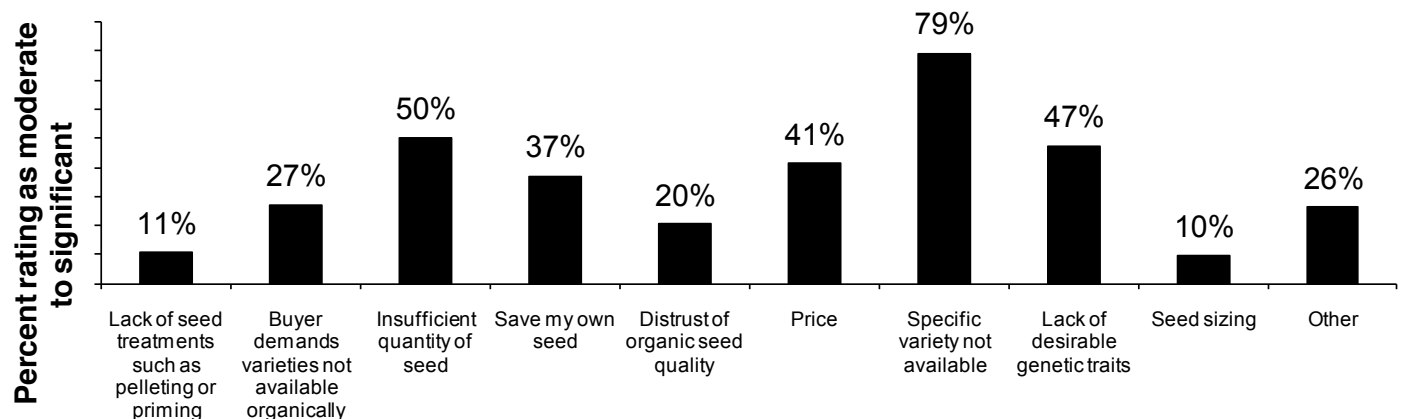
**Figure 21. Q #18: Check which additional steps your certifier has requested.**



**Figure 22. Q #19: The reasons you have not purchased organic seed in the past.**

	Not a factor	Slight factor	Moderate factor	More than moderate factor	Significant factor
Lack of seed treatments such as pelleting or priming	82%	7%	5%	3%	3%
Buyer demands varieties not available organically	68%	5%	7%	4%	16%
Insufficient quantity of seed	40%	10%	15%	12%	23%
Save my own seed	52%	11%	10%	6%	21%
Distrust of organic seed quality	71%	8%	10%	5%	6%
Price	46%	13%	16%	9%	16%
Specific variety not available	17%	3%	9%	12%	58%
Lack of desirable genetic traits	43%	9%	12%	11%	24%
Seed sizing	80%	10%	6%	2%	2%
Other	72%	1%	3%	4%	19%

**Figure 23. Q #19: Factors rated moderate to significant for not purchasing organic seed**





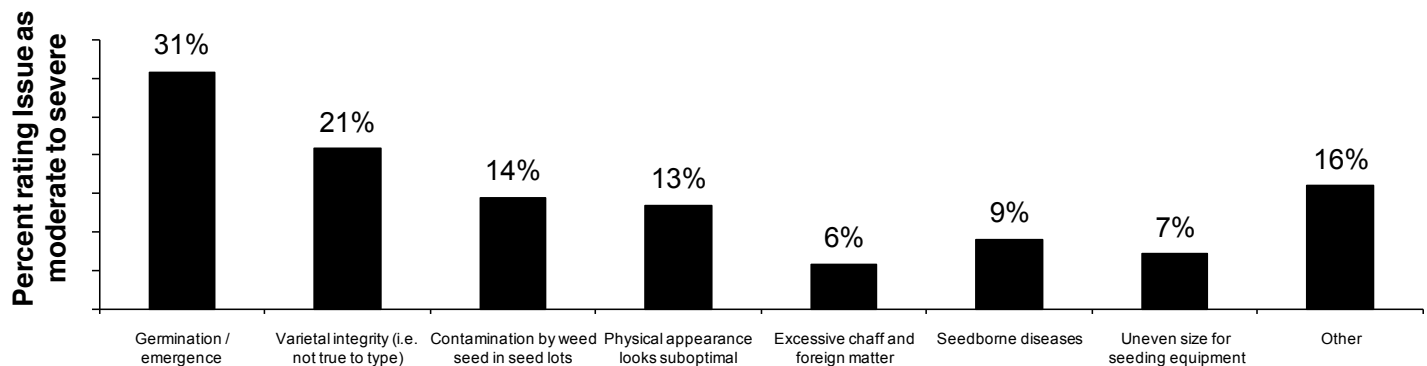
**Figure 24.**

**Q #20: What organic seed quality issues you have experienced?**

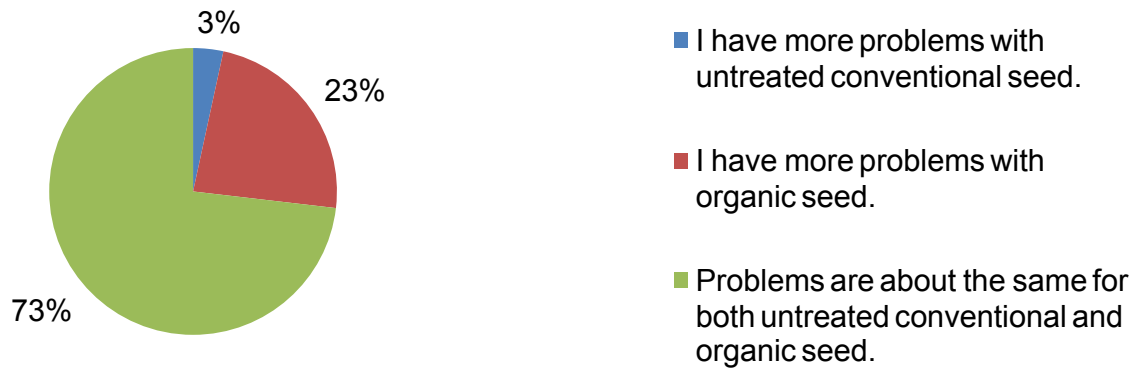
	Not a problem	Slight problem	Moderate problem	More than moderate	Severe problem
Germination / emergence	52%	17%	17%	11%	4%
Varietal integrity (i.e. not true to type)	63%	16%	10%	7%	4%
Contamination by weed seed in seed lots	70%	15%	9%	3%	3%
Physical appearance looks suboptimal	71%	15%	9%	3%	2%
Excessive chaff and foreign matter	81%	14%	4%	1%	1%
Seedborne diseases	80%	11%	6%	2%	1%
Uneven size for seeding equipment	82%	11%	4%	3%	1%
Other	81%	3%	3%	6%	7%

**Figure 25.**

**Q #20: Problems producers have had with organic seed quality**

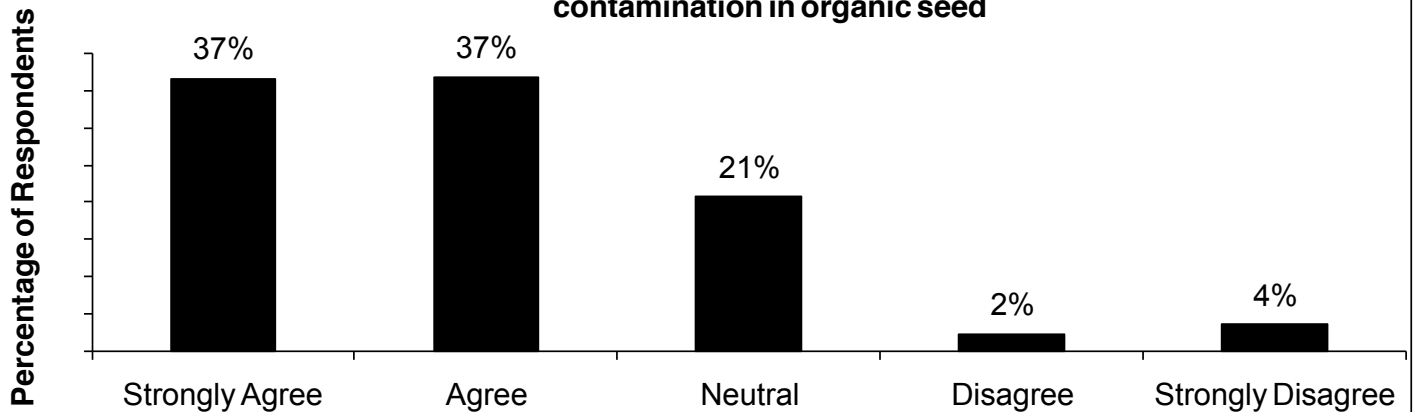


**Figure 26. Q #21: Do you have more problems with the above mentioned quality issues with untreated conventional seed or organic seed?**

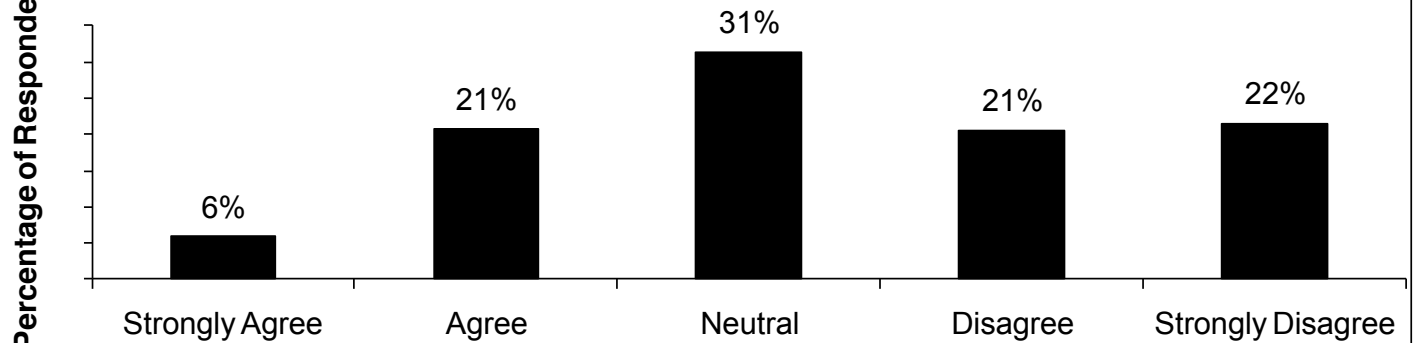


**Questions 22 – 26: How strongly do you agree or disagree with the statements:**

**Figure 27. Q #22: Seed companies should conduct testing and report rates of GE (GMO) contamination in organic seed**



**Figure 28. Q #23: The regulatory framework in place is adequate to protect my organic farm product(s) from damages due to possible contamination by GE (GMO) crops**



How strongly do you agree or disagree with the statements (cont.):

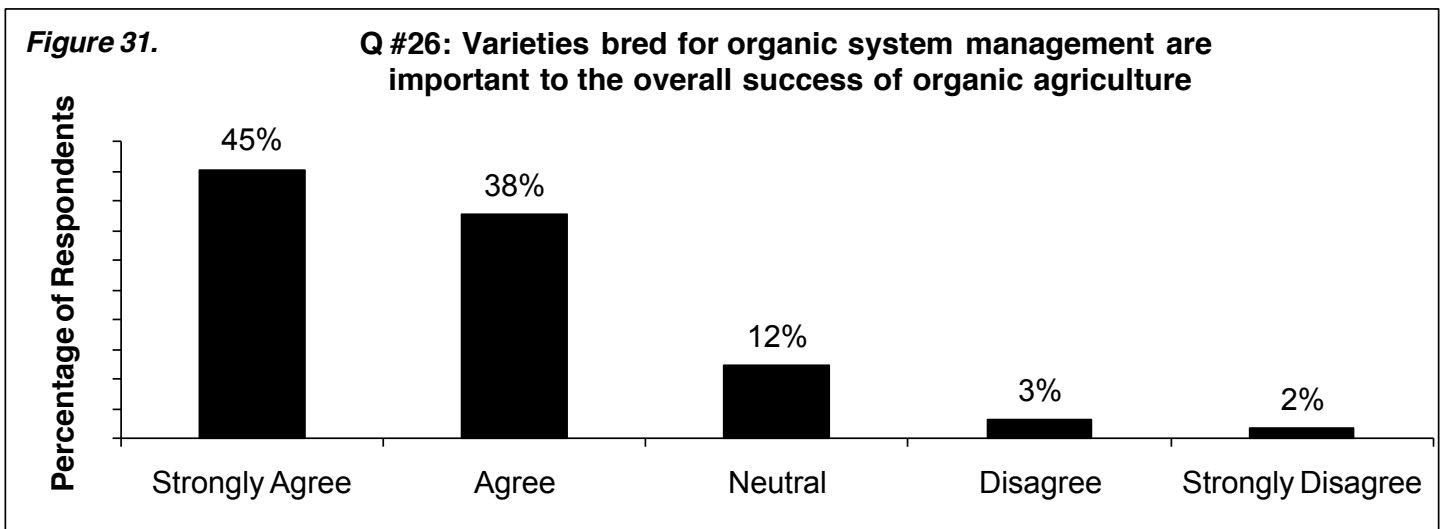
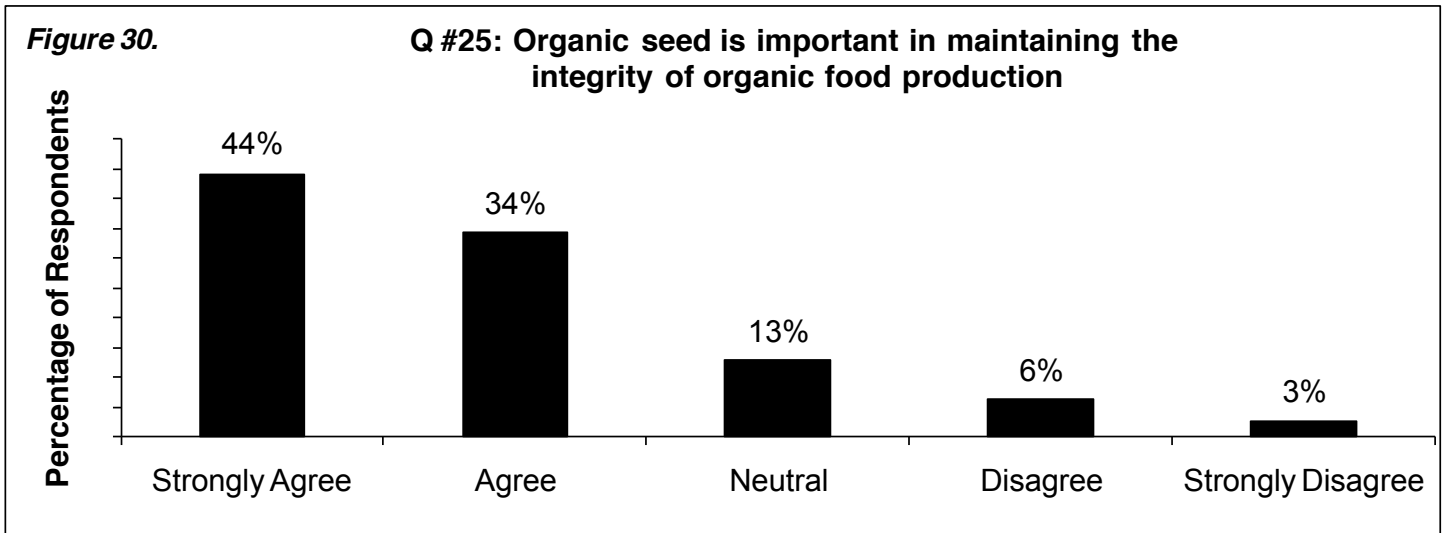
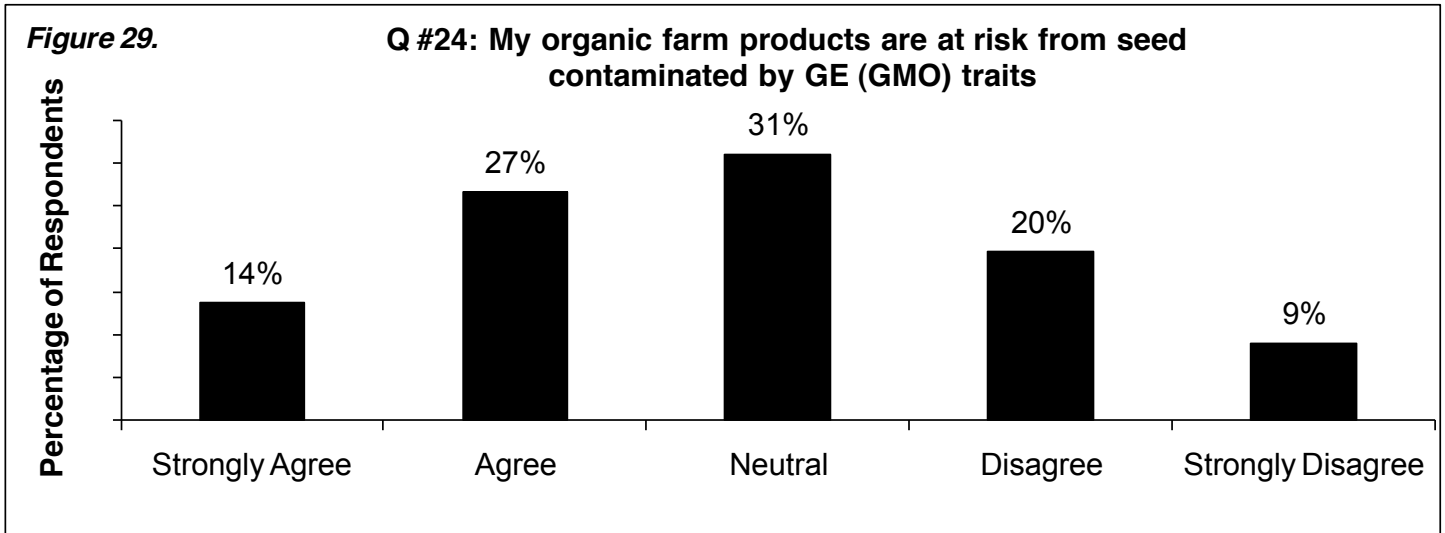
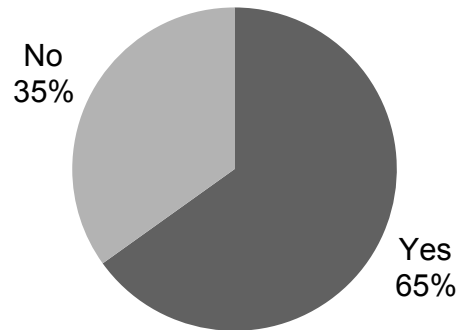


Figure 32.

Q #27: Do you think that there are crops in need of organic breeding?



Q #28: The highest priority crops you feel are in need of organic breeding (crop improvement) and the most important traits to breed for in those crops.

Top three crops and top three traits listed. Please see Summary for descriptions and examples of traits.

Figure 33.

Q #28: Three most important traits to breed for in CORN - the #1 field crop in need of breeding

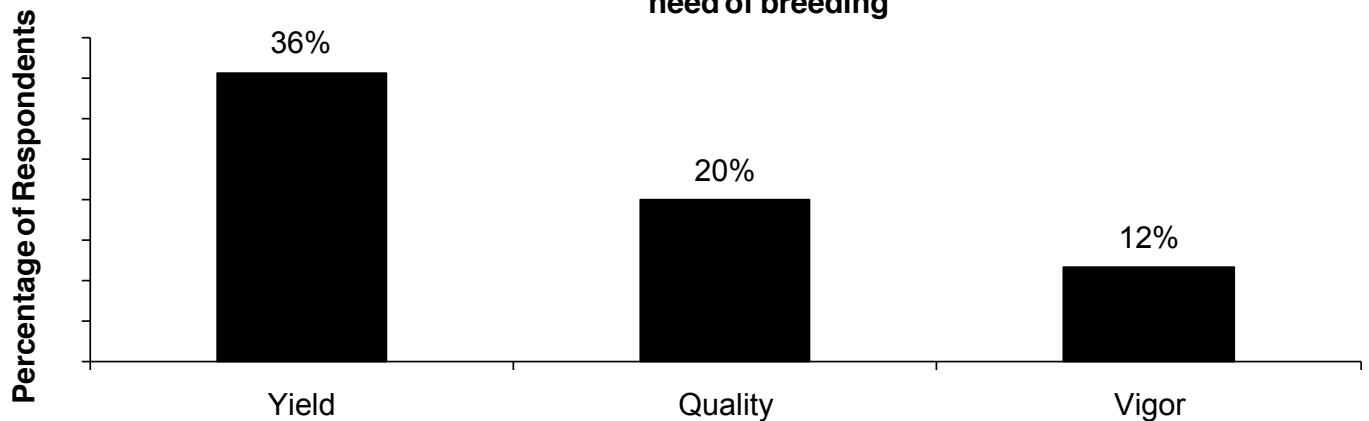
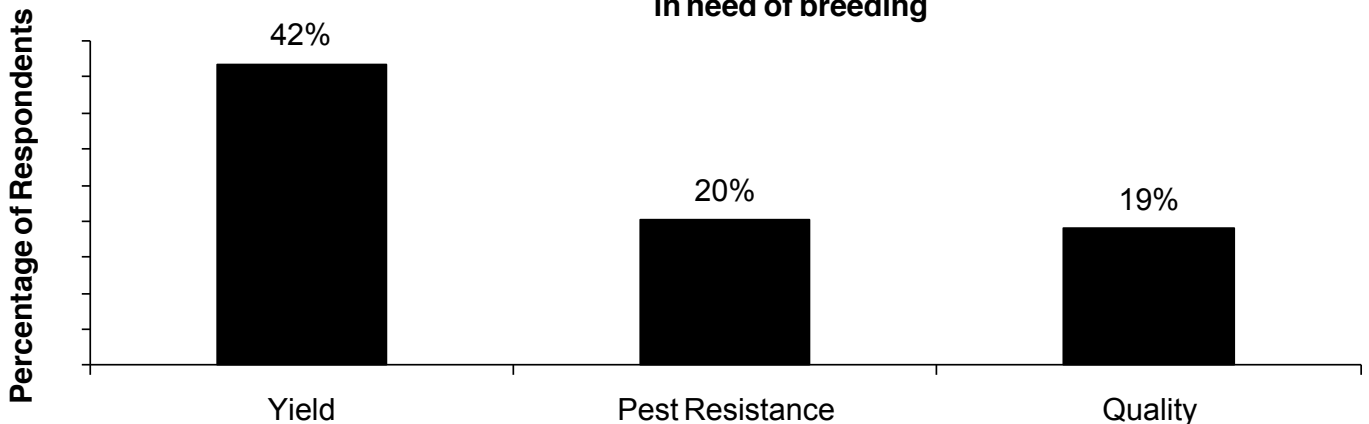
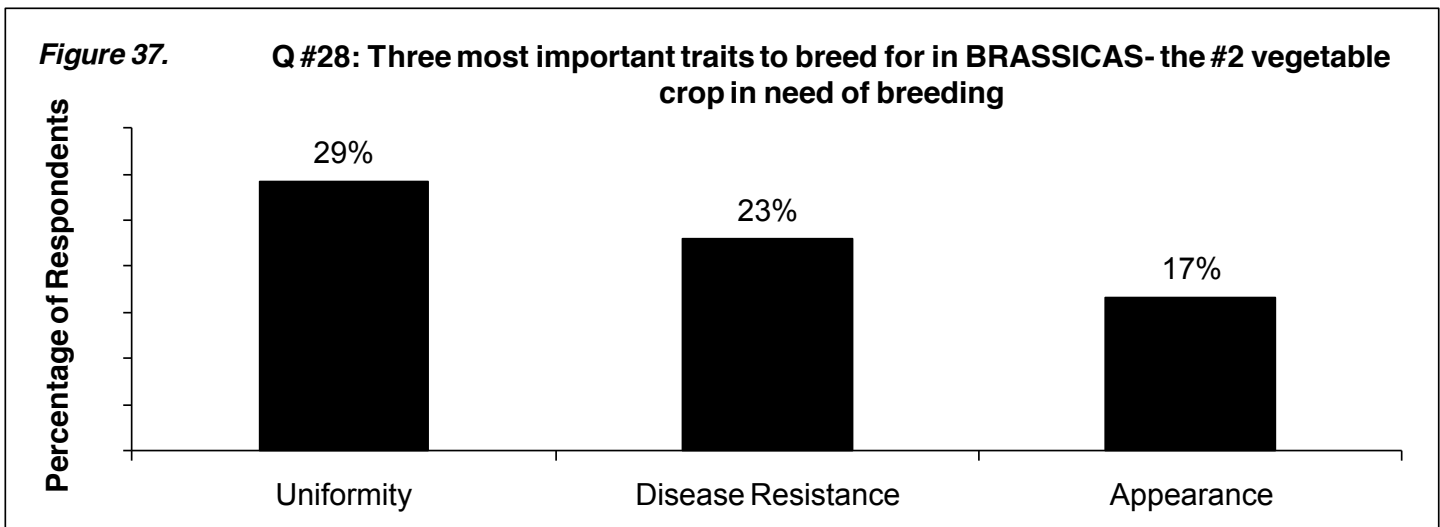
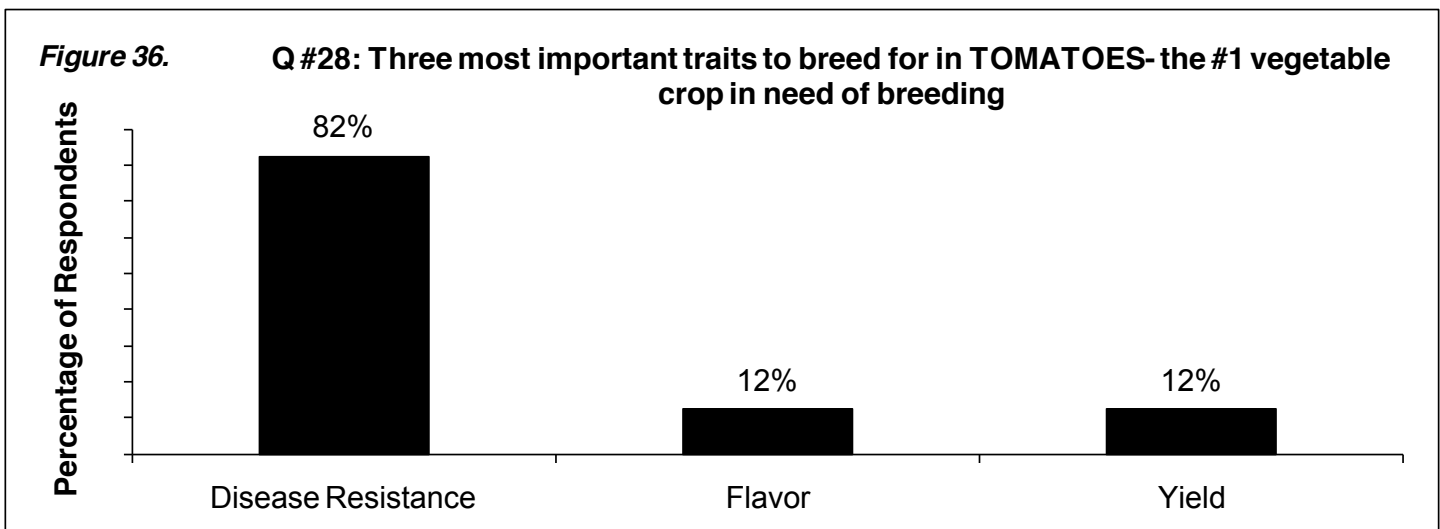
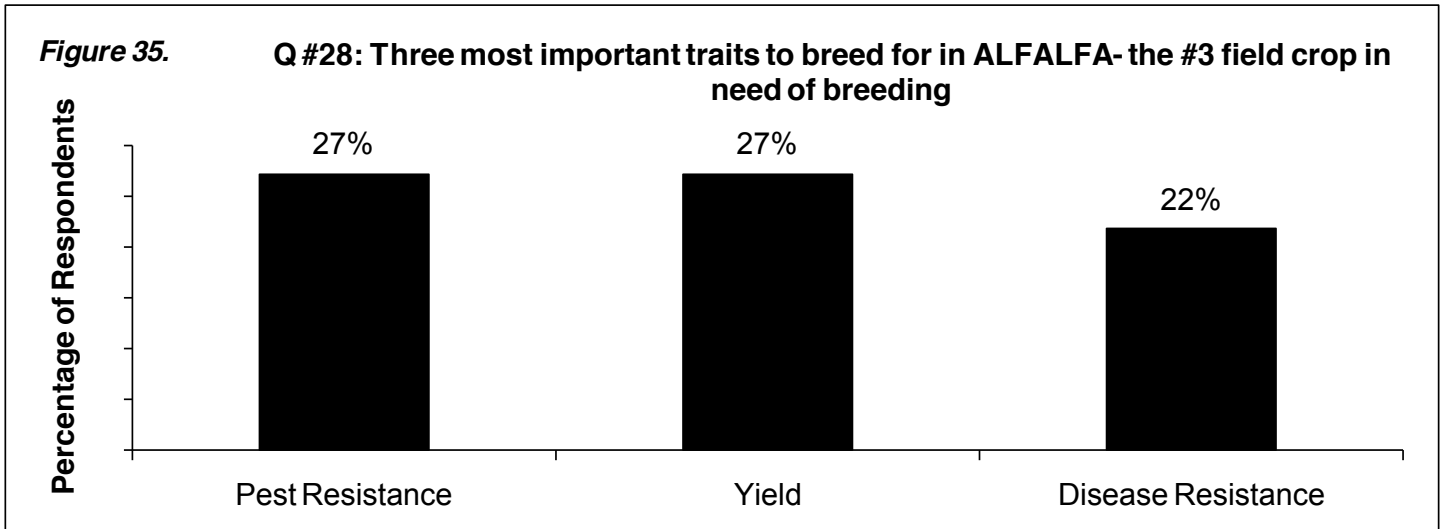


Figure 34.

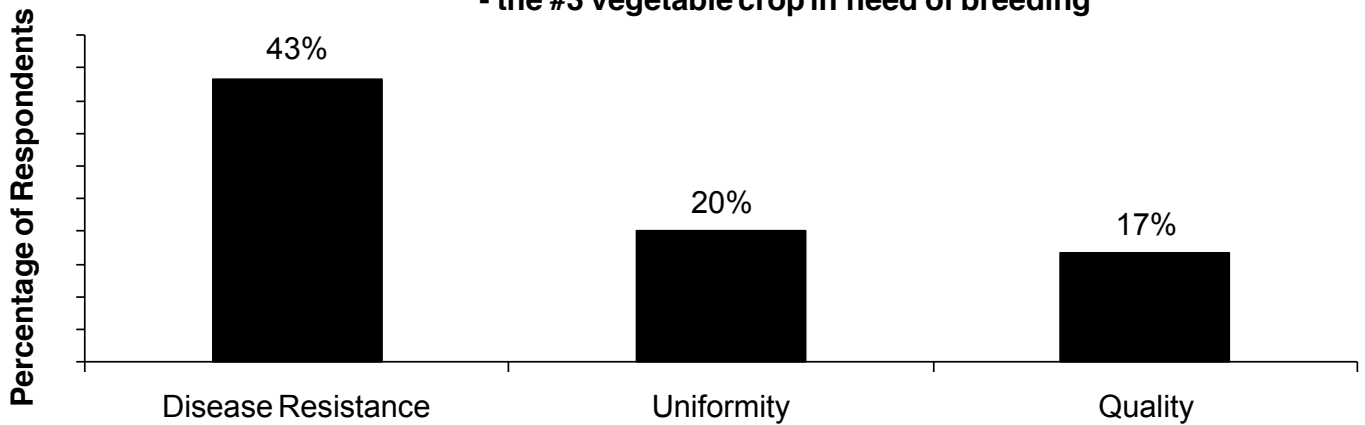
Q #28: Three most important traits to breed for in SOYBEANS - the #2 field crop in need of breeding





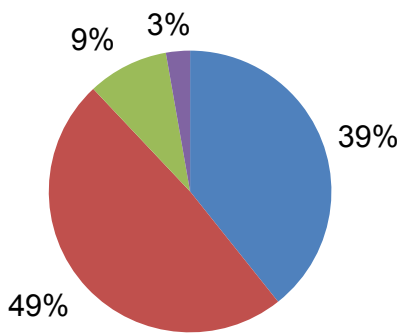
**Figure 38.**

**Q #28: Three most important traits to breed for in WINTER / SUMMER SQUASH - the #3 vegetable crop in need of breeding**



**Figure 39.**

**Q #29: Do you produce organic seed?\***

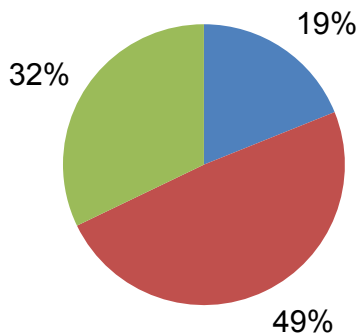


- No, I do not produce organic seed either for on-farm or commercial use.
- I produce organic seed for on-farm use only.
- I produce organic seed commercially.
- I have produced organic seed commercially in the past but not currently.

\*Total greater than 100% because more than one response may apply

**Figure 40.**

**Q #30: Are you interested in producing organic seed for commercial use?**



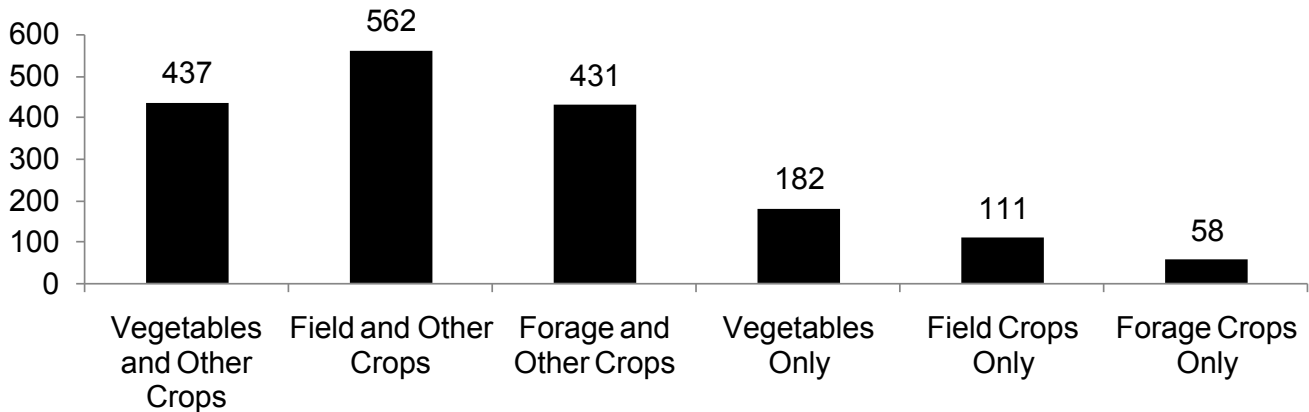
- Yes, definitely
- No
- I am interested if economic opportunity and training are available.

**Figure 41. Q #31: Are you interested in conducting crop improvement/breeding on your farm?**



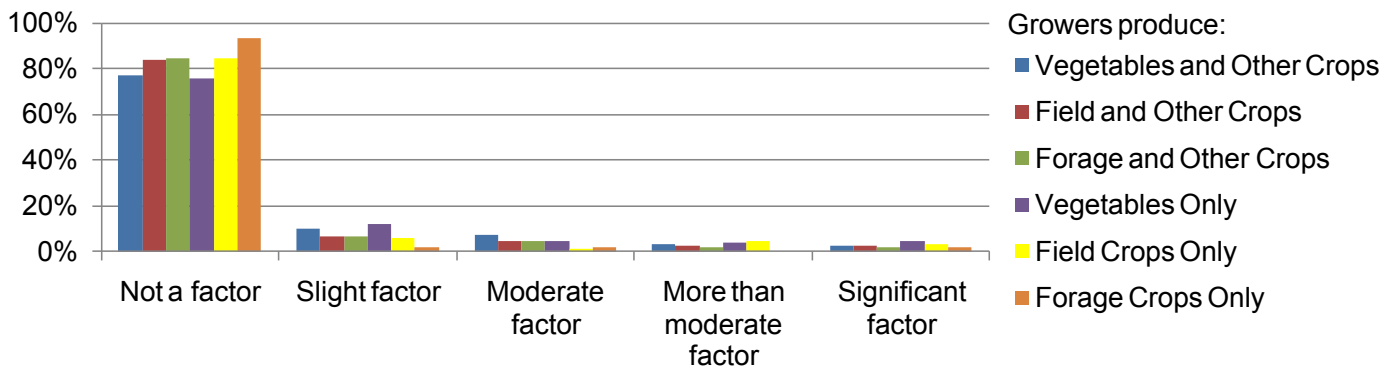
**Appendix A - Breakdown of specific questions by crop type (vegetable, field, forage)**

**Figure 42. Number of respondents who produce specific crop types**



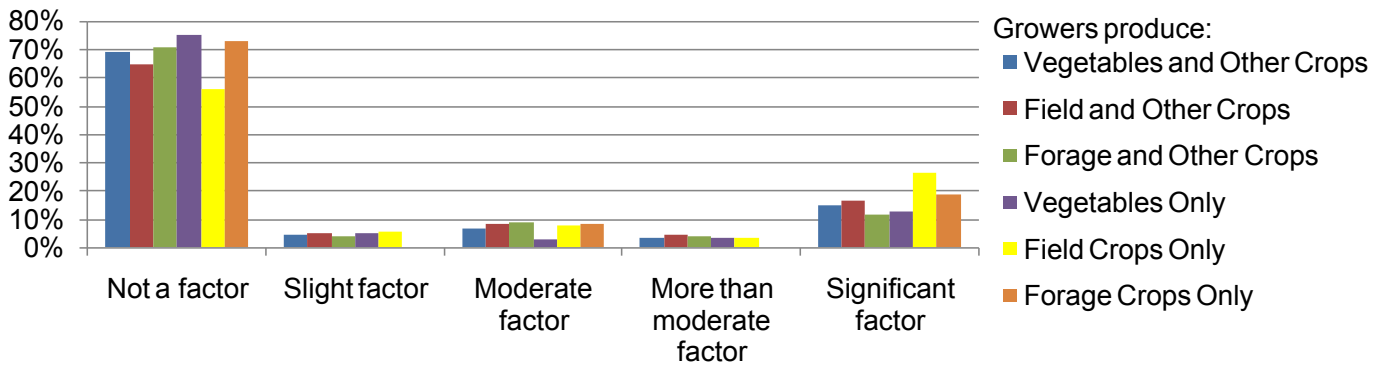
**Figures 43 – 52: The reasons you have not purchased organic seed in the past:**

**Figure 43. Lack of seed treatments such as pelleting or priming**

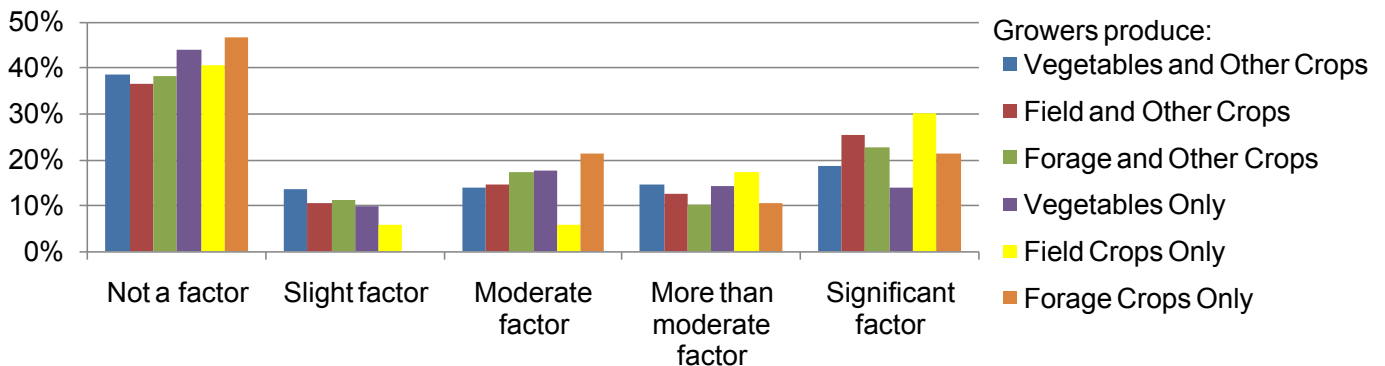


**The reasons you have not purchased organic seed in the past (cont.):**

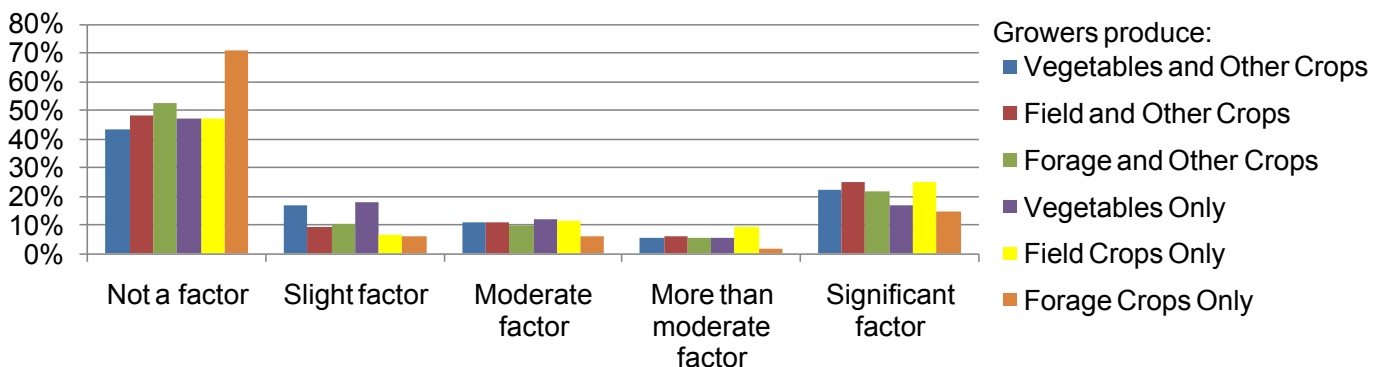
**Figure 44. Processor (buyer) demands varieties in contract that are not available organically**



**Figure 45. Insufficient quantity of seed**

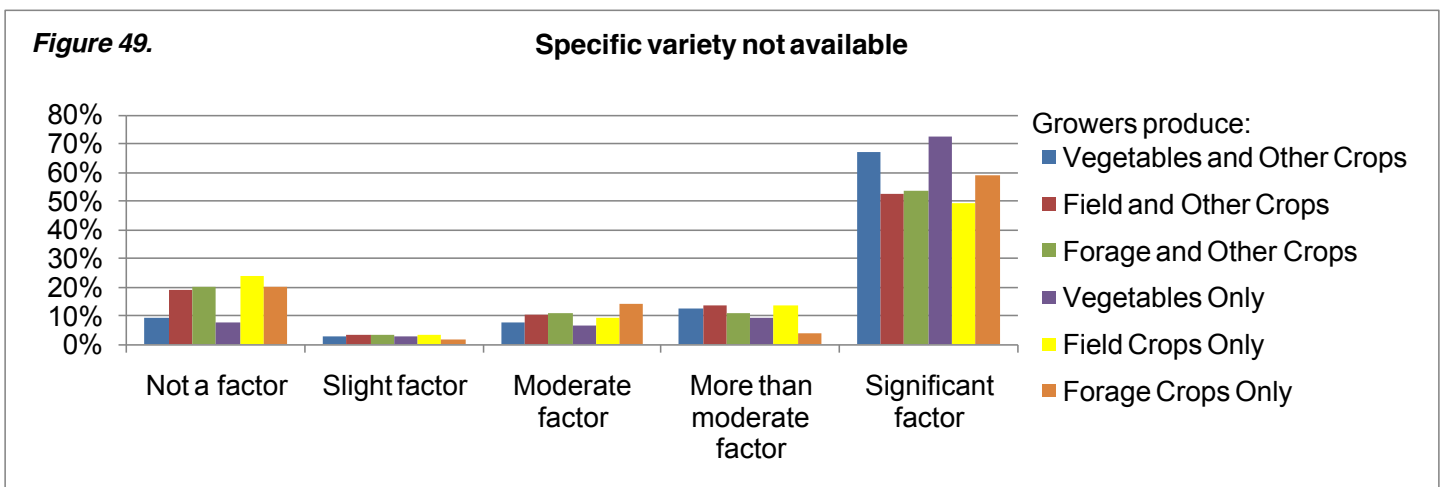
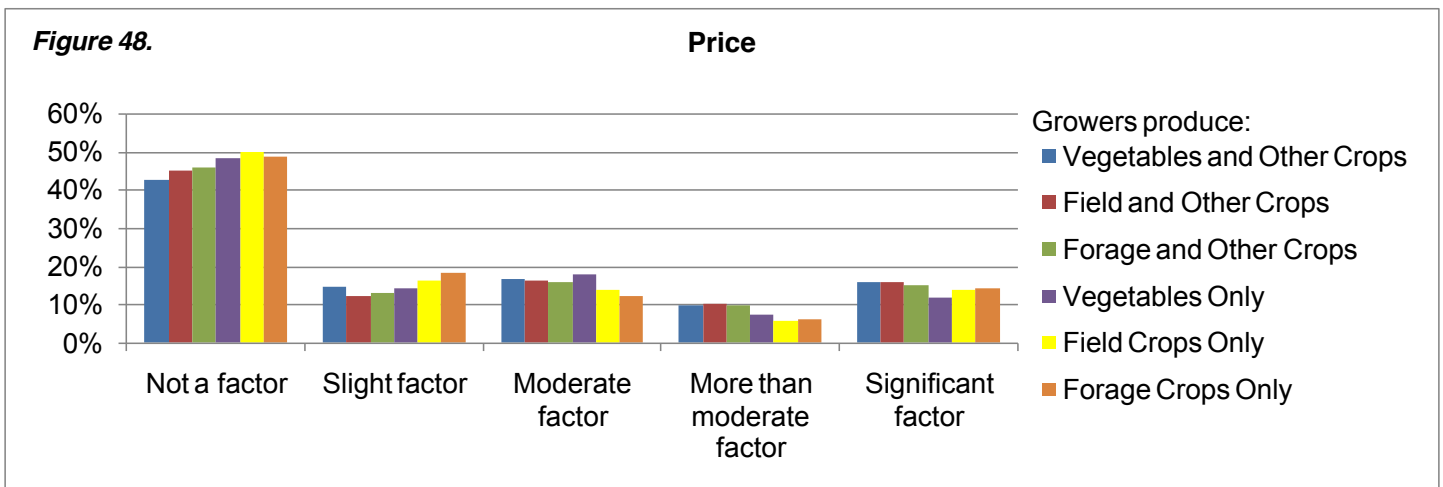
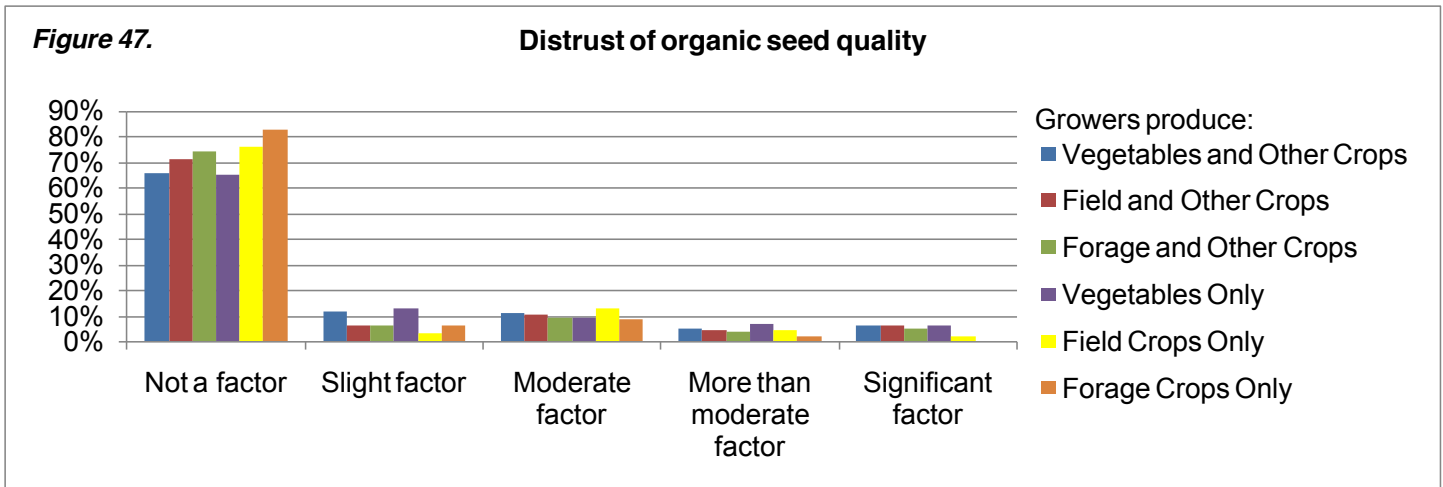


**Figure 46. Save my own seed**





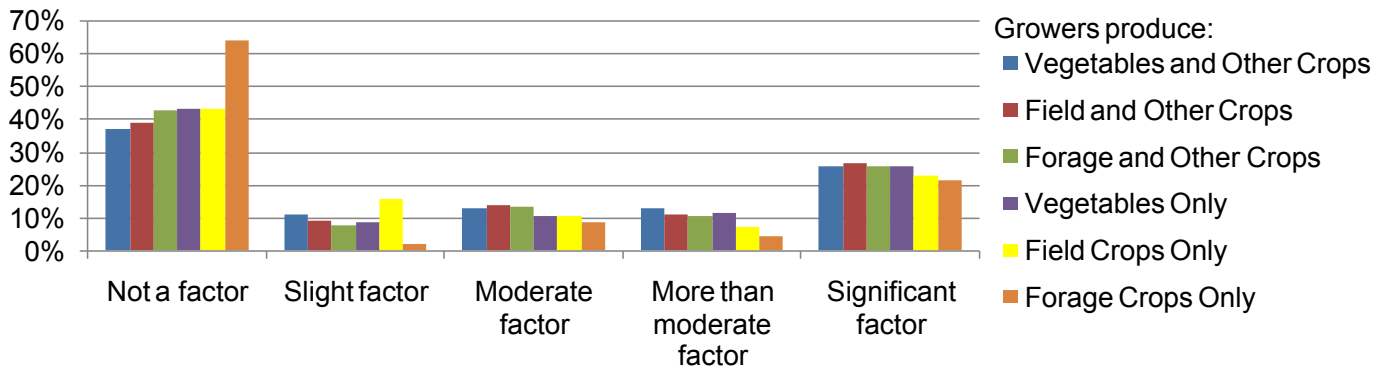
The reasons you have not purchased organic seed in the past (cont.):



**The reasons you have not purchased organic seed in the past (cont.):**

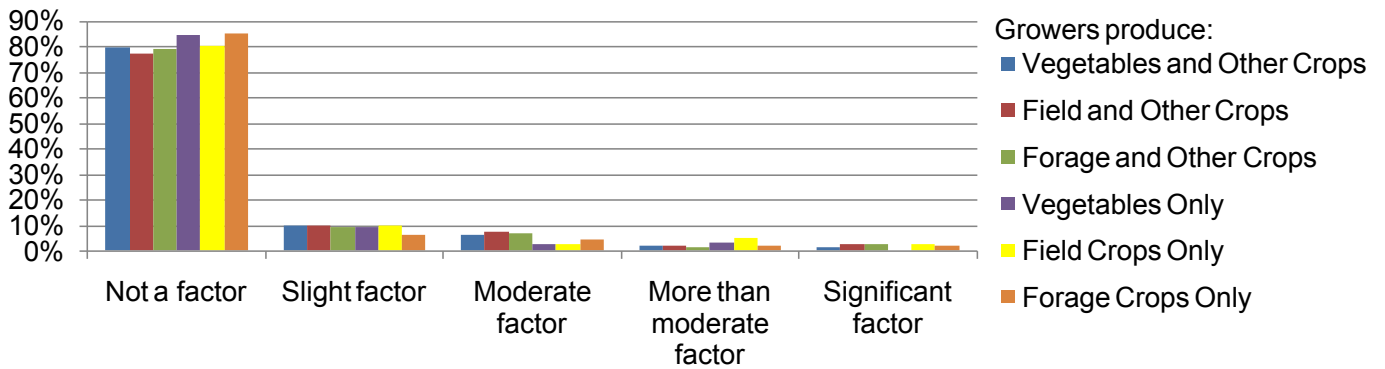
**Figure 50.**

**Lack of desirable genetic traits**



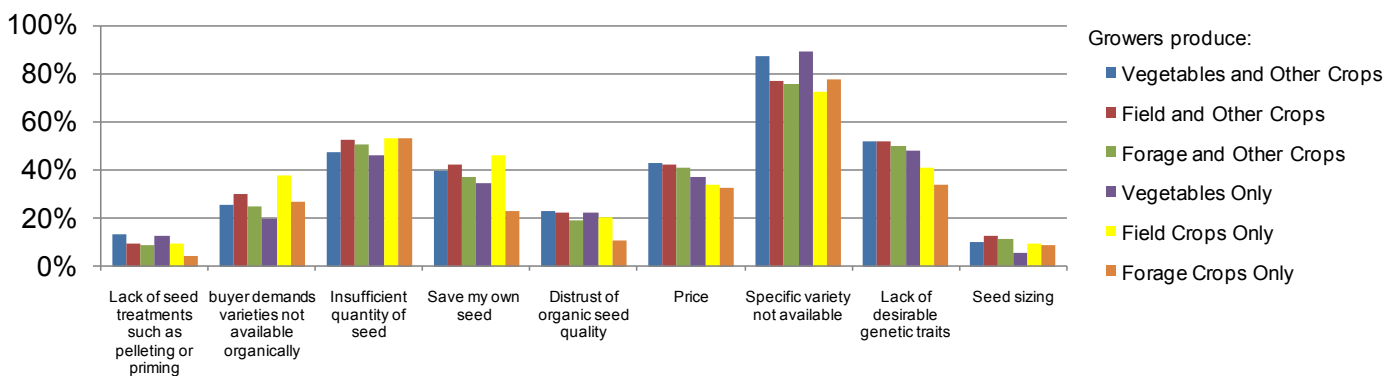
**Figure 51.**

**Seed sizing**

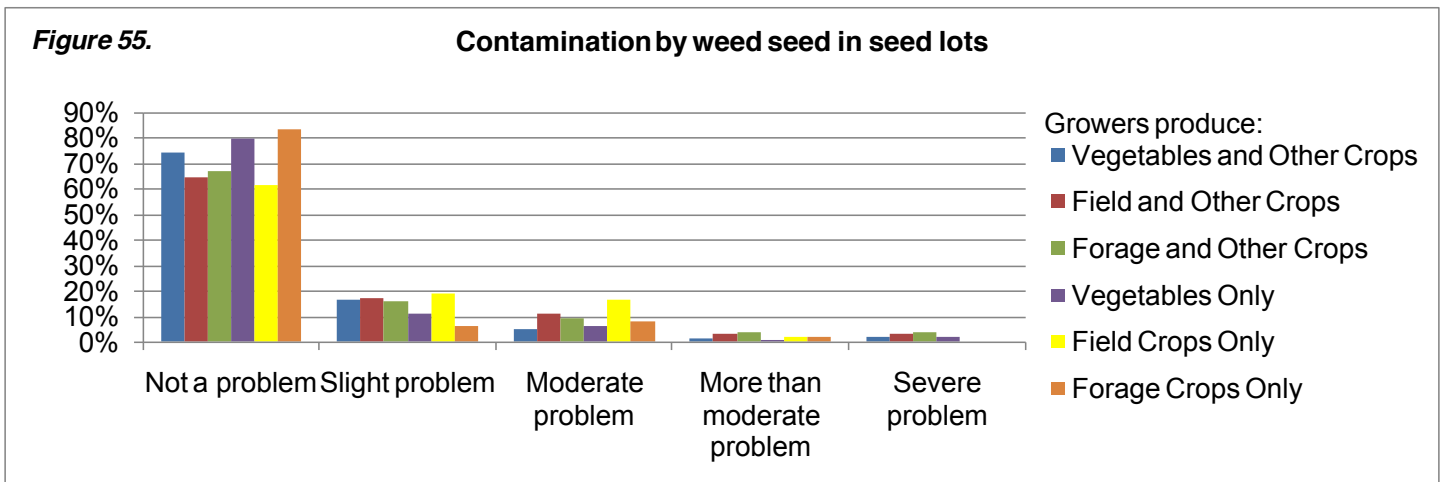
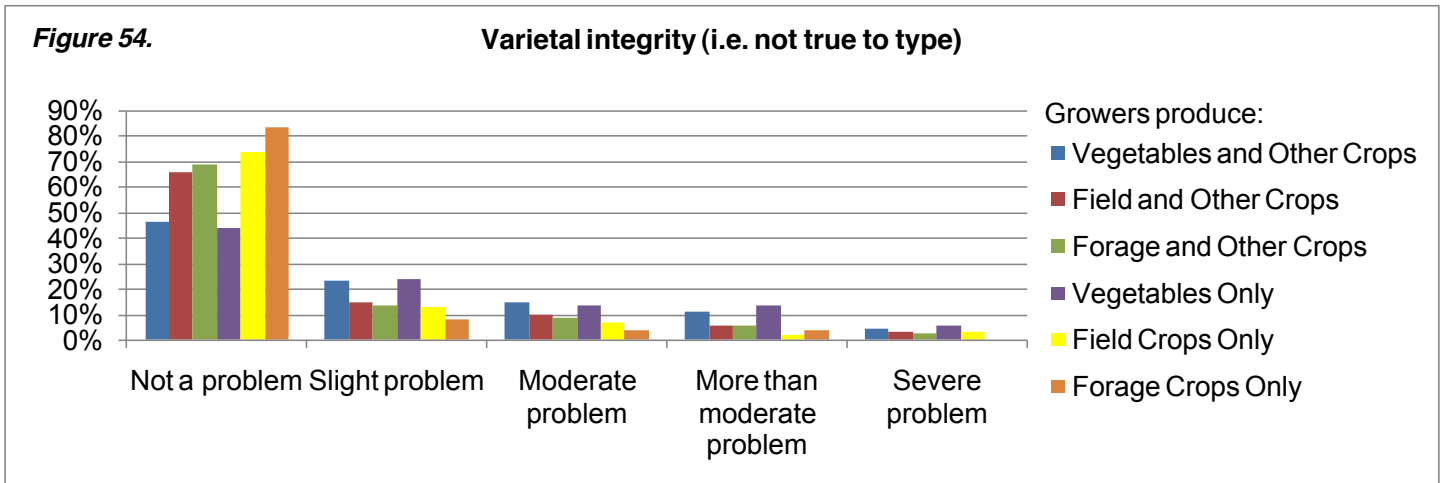
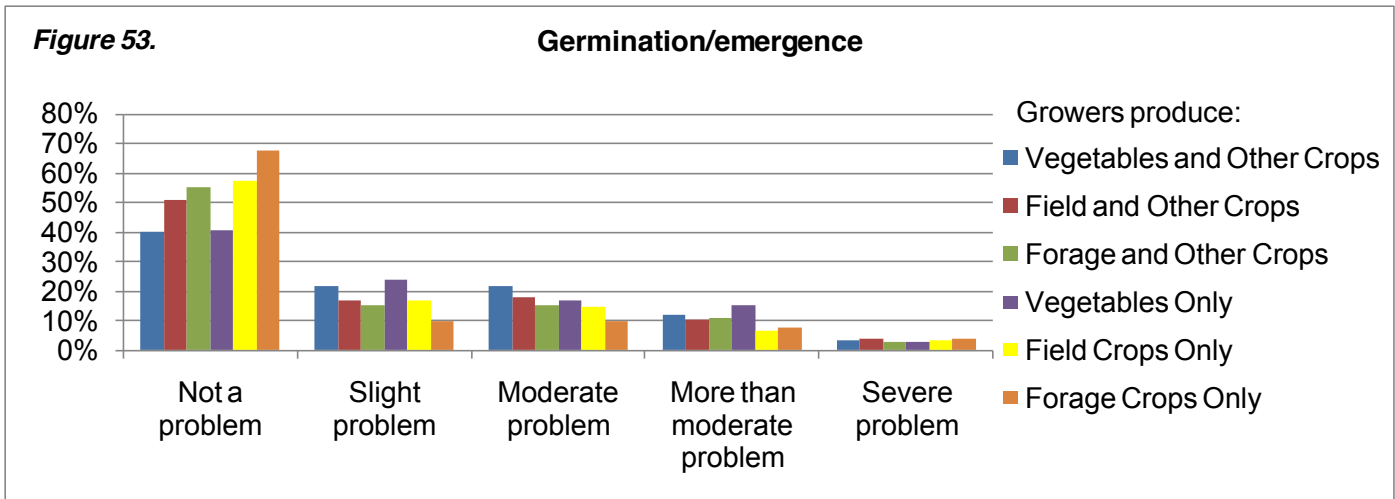


**Figure 52.**

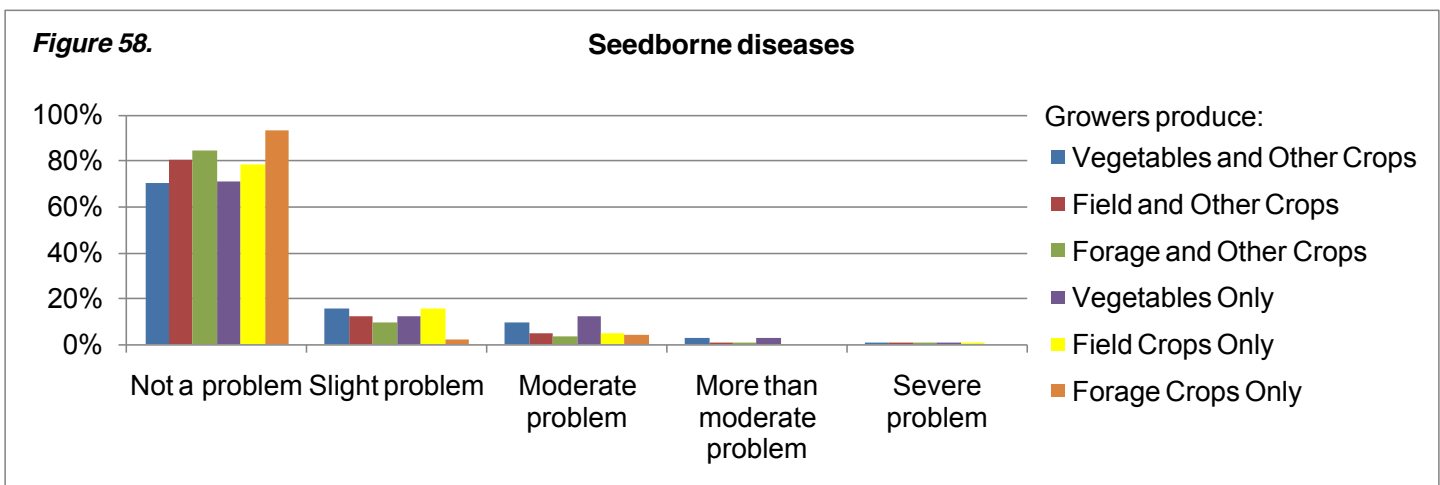
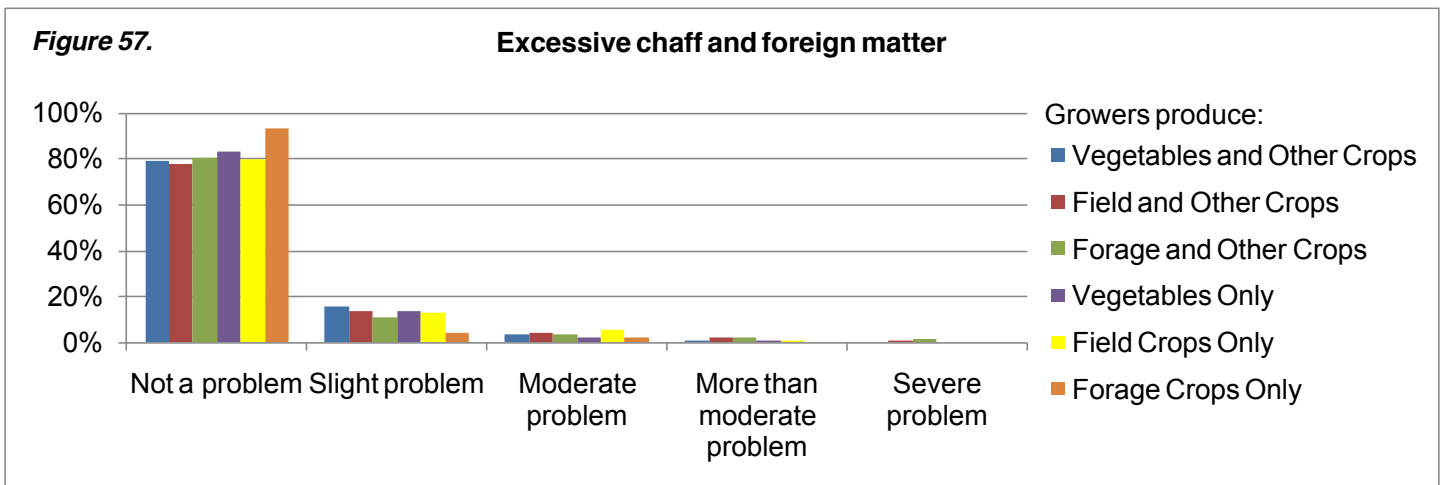
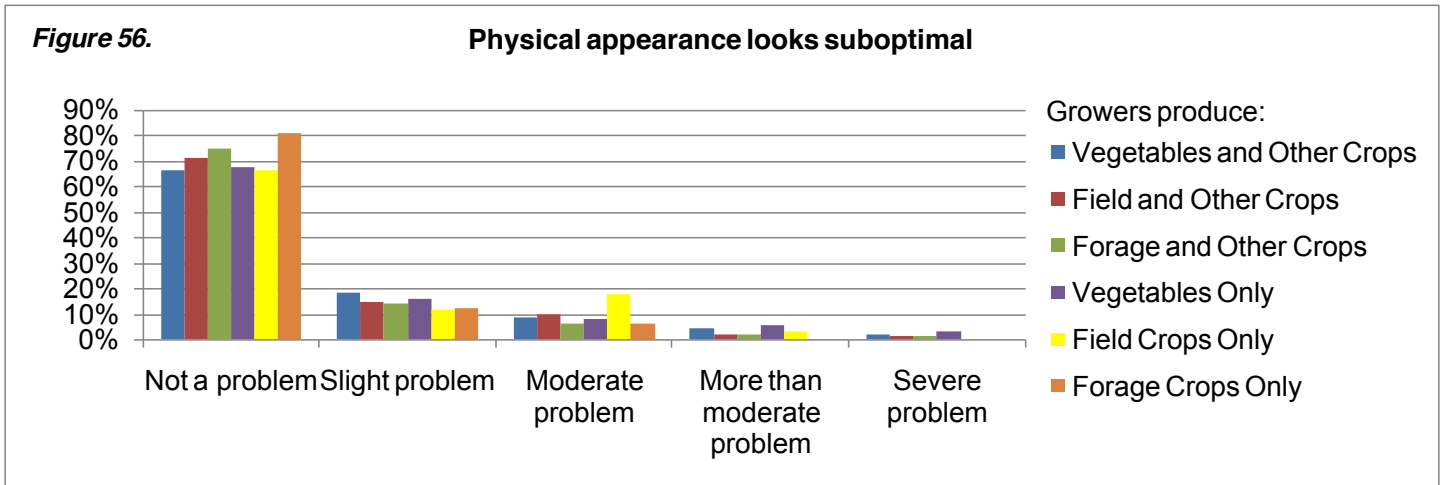
**Reasons rated moderate to significant for not purchasing organic seed in the past**



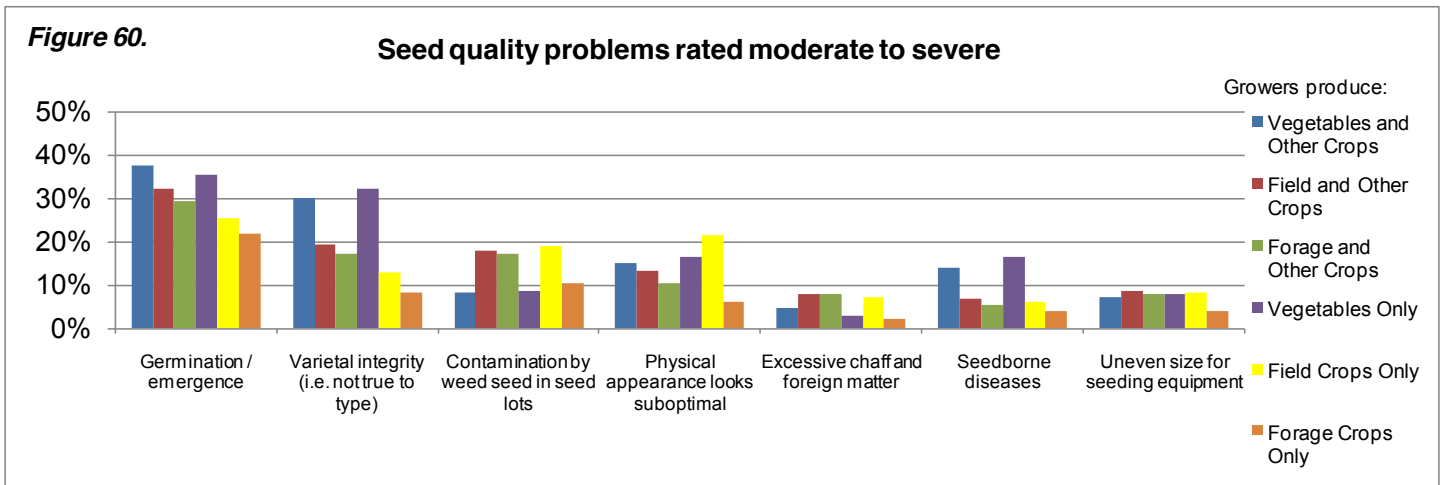
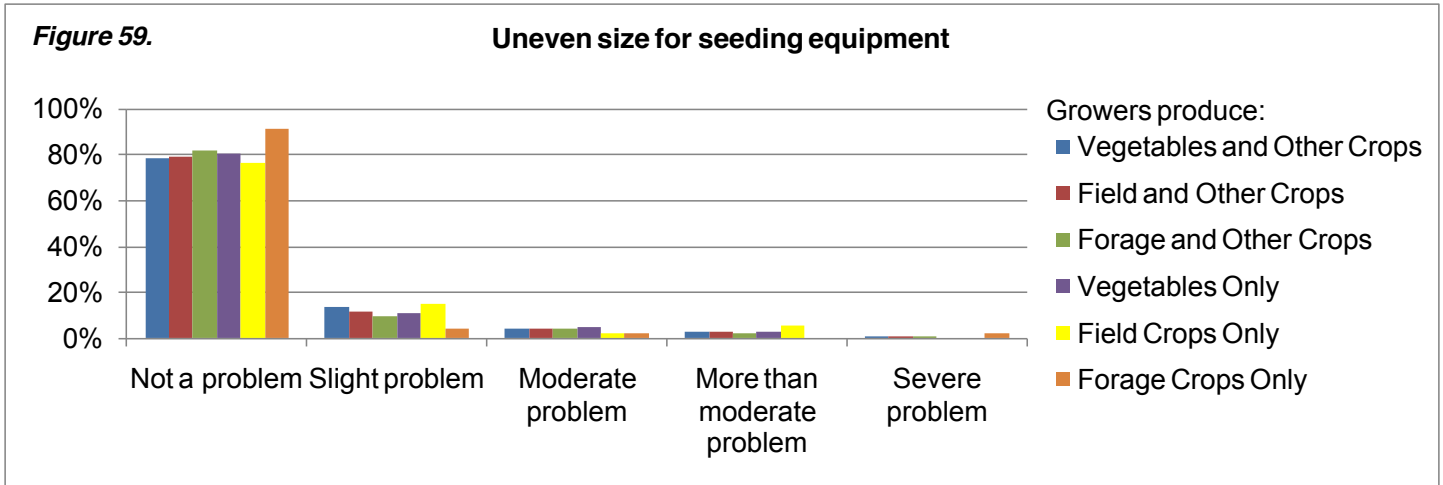
**Figures 53 - 60. What organic seed quality issues you have experienced?**



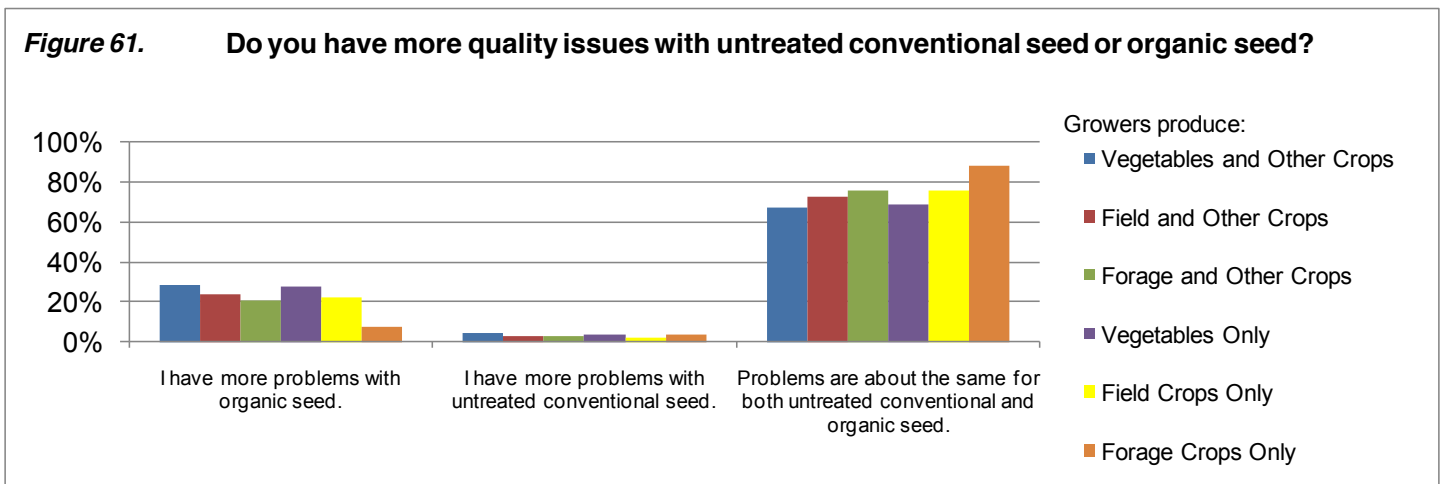
**Organic seed quality issues (cont.):**



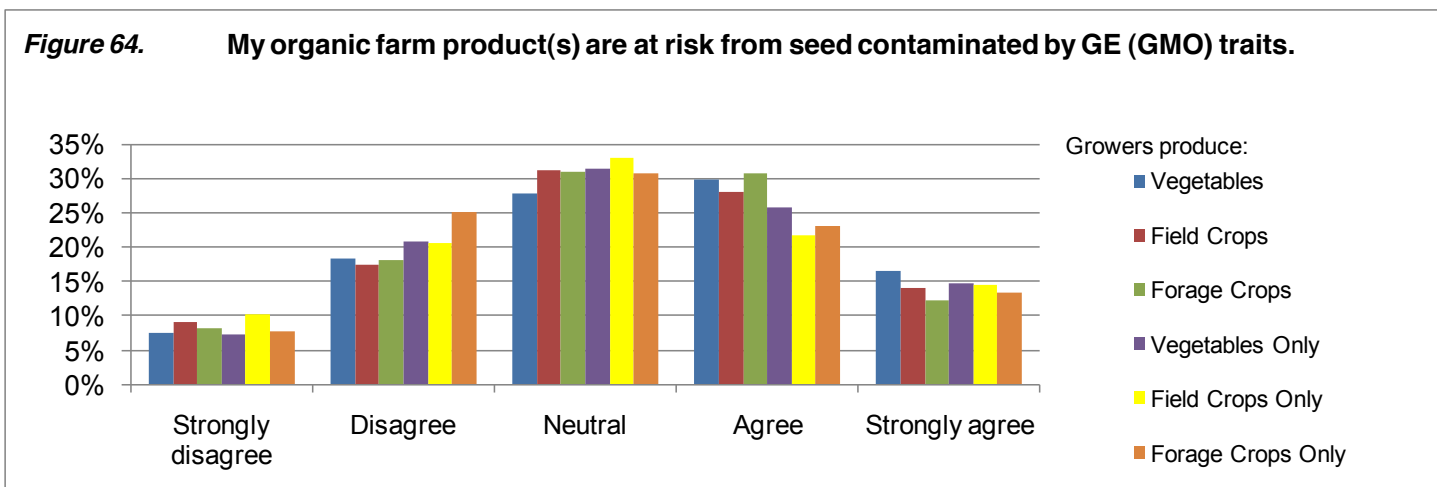
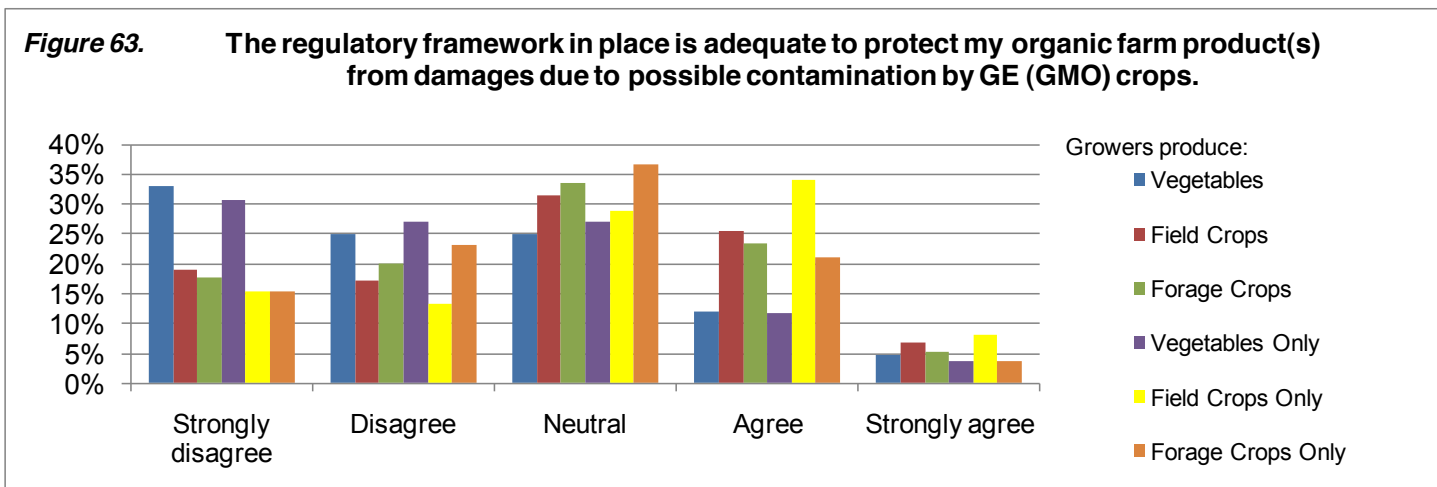
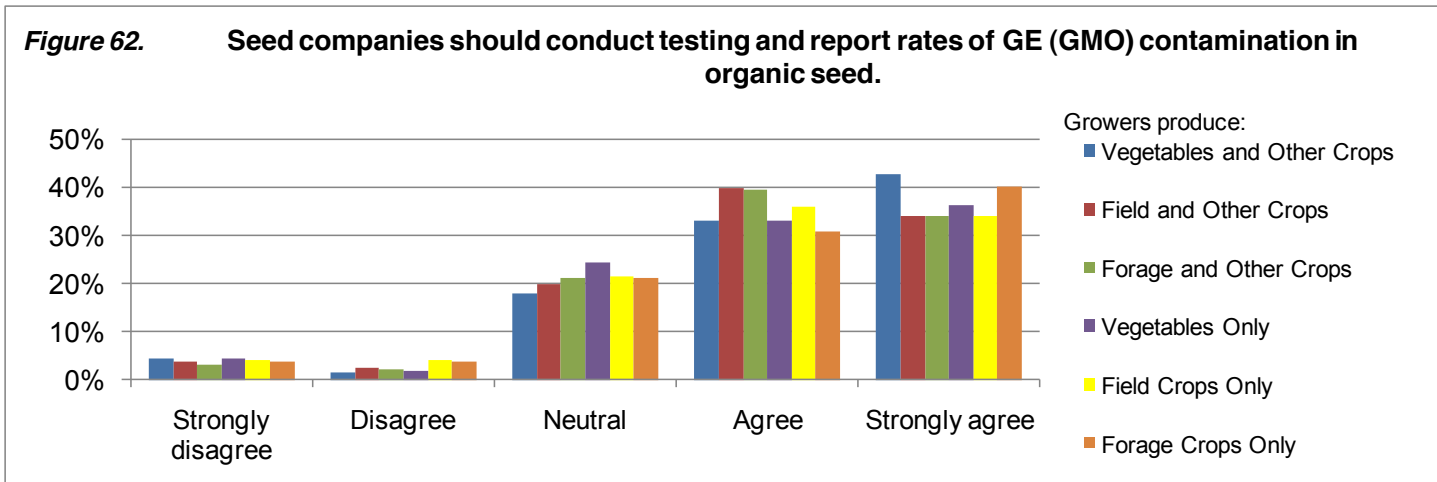
**Organic seed quality issues (cont.):**



**Do you have more problems with the above mentioned quality issues with untreated conventional seed or organic seed?**

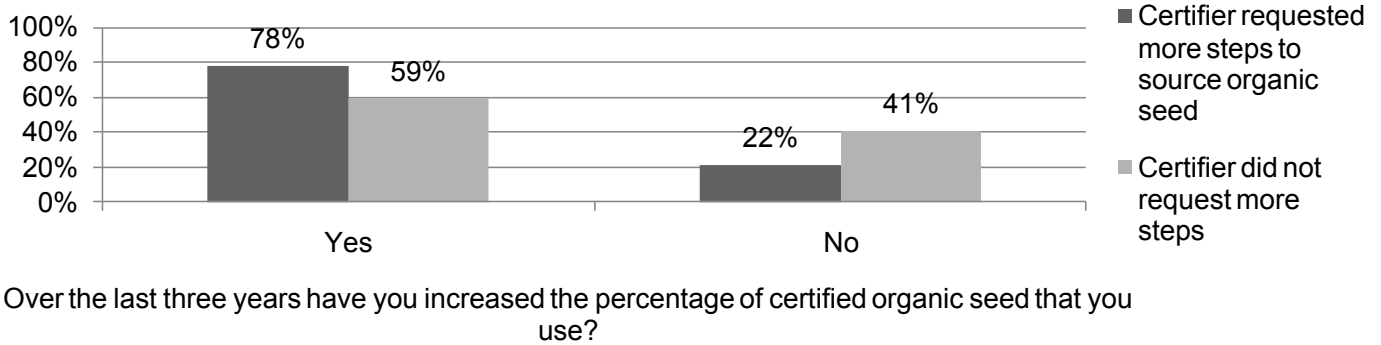


**Figures 62 - 64. How strongly do you agree or disagree with the following statements:**

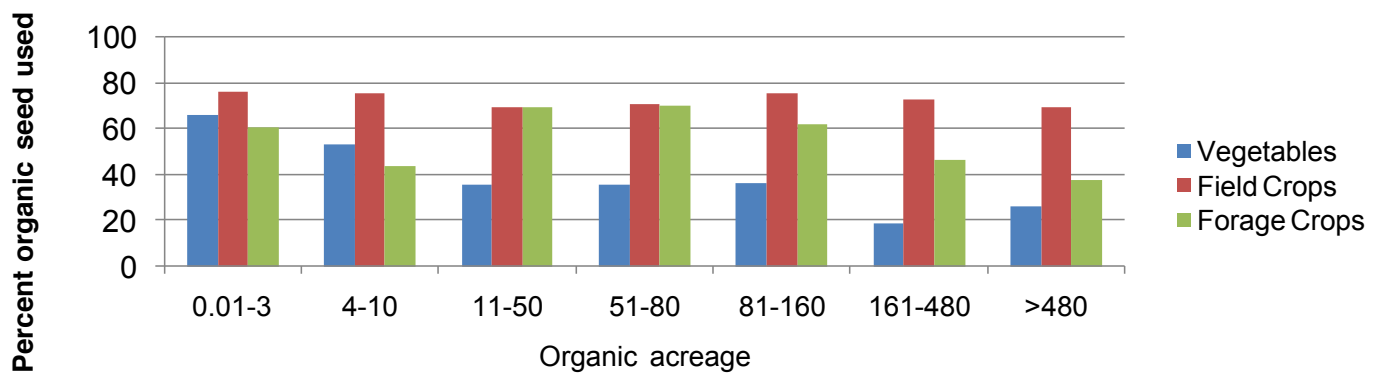


**Appendix B – Additional Graphs**

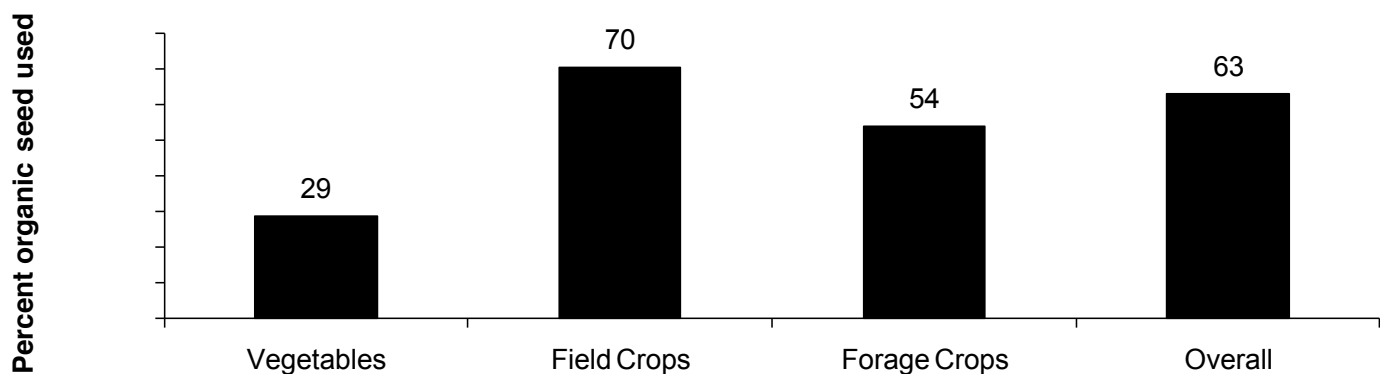
**Figure 65. Comparison of increased organic seed use and certifier requesting more steps to source organic seed**



**Figure 66. Organic seed use by crop type and acreage**



**Figure 67. Percent of total acreage by crop planted with organic seed**



**Figure 68. Reasons rated moderate to significant for not purchasing organic seed in the past**

