

## Research Farm Projects

<u>Research Project/Demonstration</u>	<u>Project Leader</u>
1. P-K rate study	A. Mallarino
2. P-K placement and rate study	A. Mallarino
3. K rate × Bt rootworm isoline comparison study	A. Mallarino
4. Crop N rate × crop rotation study (0, 80, 160, 240 lb N/acre)	A. Mallarino
5. Rate of lime study	S. Henning
6. Crop N rate × crop rotation study (0, 40, 80, 120, 160, 200, 240 lb N/acre)	J. Sawyer
7. Corn N rate × ASNT test study	J. Sawyer
8. Corn N rate × hybrid study	C. Ingels
9. Sulfur rate on alfalfa study	B. Lang
10. Evaluation of weed management strategies in corn and soybeans	M. Owen
11. Evaluation of corn rootworm insecticides, YieldGard® and Herculex® technologies	J. Tollefson
12. Evaluation of soybean aphid and bean leaf beetle insecticides and seed treatments	M. O’Neal
13. Evaluation of soybean aphid economic thresholds for insecticide application timings	M. O’Neal
14. Evaluation of soybean aphid flight populations from a suction trap monitor	M. O’Neal
15. Soybean planting date × variety maturity × insecticide study	M. O’Neal
16. Evaluation of soybean aphid tolerance on soybean variety study	M. O’Neal
17. Evaluation of fungicides, application timings, and varieties for soybean diseases	Yang/A. Robertson
18. Evaluation of fungicide as a seed treatment and foliar application for white mold	X.B. Yang
19. Evaluation of RR® soybean varieties and soybean aphid insecticide control	ISU NERF
20. Evaluation of fungicides and application timings on corn and soybean varieties	ISU NERF
21. Evaluation of white mold control pesticides and soybean row spacing	ISU NERF
22. Evaluation of RR® alfalfa with different herbicide programs	ISU NERF
23. Evaluation of herbicides for equisetum weed control in road ditches	ISU NERF
24. Western bean cutworm monitoring, soybean insect and grape berry moth monitoring	ISU NERF
25. Impact of manure N-P management system on water quality	Kanwar/Mallarino/Sawyer
26. Hydrogeology and water quality studies in the Devonian Aquifer	B. Simpkins
27. Hydrogeology and water quality studies near subsurface tile drainage	B. Simpkins
28. Evaluation of water tables, tiling methods, and tile spacing distances	ISU NERF
29. Bt/nonBt corn variety study	ISU NERF
30. Triticale/winter wheat variety trial	L. Gibson
31. Oat and barley variety testing	J. Jannink
32. Alfalfa variety and breeding studies	C. Brummer
33. Corn breeding research	K. Lamkey
34. Evaluation of low linolenic acid soybean varieties for yield and seed composition	J. Jensen
35. Forage variety evaluation for reducing dietary cation-anion difference (DCAD)	R. Horst
36. Organic-chemical farming systems	M. Duffy/Liebman
37. Corn greensnap × crop rotation × variety × tillage × planting population study	R. Elmore
38. Corn planting date × Bt/non-Bt × insecticide in different crop rotations	R. Elmore
39. Corn planting date × polymer seed coating study	R. Elmore
40. Corn population × “fix” vs. “flex” corn variety study	R. Elmore
41. Twin row (8 in.) vs. 30-in. row planted corn varieties for grain and silage yield	R. Elmore
42. Corn planting depth study	R. Elmore
43. Long-term tillage × crop rotation studies	M. Hanna/M. Al-Kaisi
44. Home demonstration garden	C. Haynes/O’Malley
45. Grape cultivar evaluation study	P. Domoto
46. Pawpaw tree winter hardiness demonstration	P. O’Malley
47. Strawberry variety trial	P. O’Malley
48. Windbreak plant species evaluation/butterfly garden/goldfish pond	ISU NERF