

## Research Farm Projects

<u>Research Project/Demonstration</u>	<u>Project Leader</u>
Alfalfa variety and breeding studies	S. Barnhart
Bt/non-Bt corn variety study	ISU NERF
Corn breeding research	K. Lamkey
Corn greensnap × crop rotation × variety × tillage × planting population study	R. Elmore
Corn hybrid evaluation in continuous corn environment (2 studies)	R. Elmore
Corn hybrids grown in transition to organics study	R. Elmore
Corn N rate × ASNT test study	J. Sawyer
Corn N, S, Cl by-product study	S. Henning
Corn planting date × Bt/non-Bt × insecticide in different crop rotations	R. Elmore
Corn population × “fix” vs. “flex” corn variety study	R. Elmore
Crop N rate × crop rotation study (0, 40, 80, 120, 160, 200, 240 lb N/acre)	J. Sawyer
Crop N rate × crop rotation study (0, 80, 160, 240 lb N/acre)	A. Mallarino
Evaluation of corn rootworm insecticides, Agrisure <sup>®</sup> , Herculex <sup>®</sup> , and YieldGard <sup>®</sup>	J. Tollefson
Evaluation of fungicides and application timings on corn and soybean varieties	ISU NERF
Evaluation of fungicides, application timings, and varieties for soybean diseases	X. B. Yang
Evaluation of fungicides, application timings, and varieties for corn diseases	A. Robertson
Evaluation of herbicides for equisetum weed control in road ditches	ISU NERF
Evaluation of insecticide applicator spray coverage for soybean aphid control	M. O’Neal
Evaluation of Liberty tolerant soybean varieties and herbicide program comparisons	P. Pedersen/M. Owen
Evaluation of low linolenic acid soybean varieties for yield and seed composition	J. Jensen
Evaluation of RR <sup>®</sup> alfalfa with different herbicide programs	ISU NERF
Evaluation of RR <sup>®</sup> soybean varieties and soybean aphid insecticide control	ISU NERF
Evaluation of soybean aphid and bean leaf beetle insecticides and seed treatments	M. O’Neal
Evaluation of soybean aphid economic thresholds for insecticide application timings	M. O’Neal
Evaluation of soybean aphid flight populations from a suction trap monitor	M. O’Neal
Evaluation of soybean aphid tolerance on soybean variety study	M. O’Neal
Evaluation of water tables, tiling methods, and tile spacing distances	ISU NERF
Evaluation of weed management strategies in corn and soybeans	M. Owen
Evaluation of white mold control pesticides, fungicides and soybean row spacings	ISU NERF, X. B. Yang
Grape cultivar evaluation study	P. Domoto
Home demonstration garden/Strawberry variety trial	C. Haynes/P. O’Malley
Hydrogeology and water quality studies in the Devonian Aquifer	B. Simpkins
Hydrogeology and water quality studies near subsurface tile drainage	B. Simpkins
Impact of manure N-P management system on water quality	Kanwar/Mallarino/Helmers
K rate × Bt Rootworm isoline comparison study (2 studies)	A. Mallarino
Long-term tillage × crop rotation studies	M. Hanna/M. Al-Kaisi
Oat and barley variety testing	R. Skrdla
Organic-chemical farming systems	M. Duffy
Pawpaw tree winter hardiness demonstration	P. O’Malley
P-K placement and rate study	A. Mallarino
P-K rate study	A. Mallarino
Rate of lime study	S. Henning
Soil/plant root/soil water observation pit	ISU NERF
Soybean planting date × variety maturity × insecticide study	M. O’Neal
Triticale/winter wheat variety trial	L. Gibson
Twin row (8 in.) vs. 30-in. row planted corn varieties for grain and silage yield	R. Elmore
Western bean cutworm monitoring, soybean insect and grape berry moth monitoring	ISU NERF
Windbreak plant species evaluation	ISU NERF