

2009

## Research Farm Projects

Northeast Research and Demonstration Farm

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# Research Farm Projects

## **Disciplines**

Agricultural Science | Agriculture

## Research Farm Projects

### Research Project/Demonstration

Alfalfa variety and breeding studies  
 Bt/non-Bt corn variety × fungicide study  
 Corn breeding research  
 Corn hybrid evaluation in continuous corn environment (2 studies)  
 Corn hybrids grown in transition to organics study  
 Corn planting date × corn maturities × foliar fungicide in different crop rotations  
 Corn row spacings (twin rows, 8 in. vs. 30 in.) × populations study  
 Crop N rate × crop rotation study (0, 40, 80, 120, 160, 200, 240 lb N/acre)  
 Crop N rate × crop rotation study (0, 80, 160, 240 lb N/acre)  
 Crop rotation × fungicide × tillage × planting population study  
 Evaluation of corn rootworm insecticides and genetic seed traits in corn  
 Evaluation of corn rootworm seed treatments and fungicides for maximum yield  
 Evaluation of foliar fungicides, application timings, and seed treatments on corn  
 Evaluation of fungicides, application timings, and varieties for soybean diseases  
 Evaluation of fungicides, application timings, and varieties for corn diseases  
 Evaluation of Liberty tolerant soybean varieties and herbicide program comparisons  
 Evaluation of low linolenic acid soybean varieties for yield and seed composition  
 Evaluation of RR<sup>®</sup> alfalfa with different herbicide programs  
 Evaluation of RR<sup>®</sup> soybean varieties and soybean aphid insecticide control  
 Evaluation of soybean aphid and bean leaf beetle insecticides and seed treatments  
 Evaluation of soybean aphid flight populations from a suction trap monitor  
 Evaluation of soybean aphid tolerance on soybean variety study  
 Evaluation of soybean aphids and insecticide application timing in 2 row spacings  
 Evaluation of stacked transgenic seed traits in corn varieties  
 Evaluation of sulfur rates on corn and soybeans  
 Evaluation of water tables, tiling methods, and tile spacing distances  
 Evaluation of weed management strategies in corn and soybeans  
 Evaluation of white mold control fungicides and application timings  
 Grape cultivar evaluation study  
 Home demonstration garden/Strawberry variety trial  
 Hydrogeology water quality studies in the Devonian Aquifer and near tile drainage  
 Impact of manure N-P management, cover crop, biomass removal on water quality  
 K rate × Bt Rootworm isoline comparison study (2 studies)  
 Long-term P-K rate study  
 Long-term tillage × crop rotation studies  
 N rates after spring N on well and poorly drained soils  
 Oat and barley variety testing  
 Organic-chemical farming systems  
 P-K placement and rate study  
 Pawpaw tree winter hardiness demonstration  
 Rate of lime study  
 Soil/plant root/soil water observation pit  
 Soybean insect and grape insect (grape berry moth and leaf roller) monitoring  
 Soybean planting date × growth stage monitoring study  
 Soybean planting date × variety maturity × insecticide/fungicide study  
 Soybean sentinel plot weekly monitoring for rust and other leaf diseases  
 Transport of pathogens into tile drainage through macropores study  
 Triticale/winter wheat variety trial  
 Windbreak plant species evaluation

### Project Leader

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