

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[®] alfalfa with different herbicide programs
 Evaluation of RR[®] 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

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