

University of Maryland - Wye Research and Education Center

2025 - Research Projects

* = Horticultural Research

Project Title	Principal Investigator	Department
Pumpkin Variety trial (48 varieties) *	Cochran, Chris	WREC
Field Corn Sentinel Monitoring Project	Dively, Galen	ENTM
Sweet Corn Sentinel Monitoring *	Dively, Galen	ENTM
Curcubit Downy Mildew *	Everts, Kate	PSLA
Grape Variety Trial *	Fiola, Joeseeph	WMREC
PK Vineyard Partial Demo and Maintenance *	Fiola, Joeseeph, Hu Mengjun	PLSA
Epix High Management Wheat Trial	Fiorellino, Nicole	PSLA
Epix High Management Wheat Trial	Fiorellino, Nicole	PSLA
Wheat Nitrogen Rate Trial	Fiorellino, Nicole	PSLA
Wheat Nitrogen Rate Trial	Fiorellino, Nicole	PSLA
Long Term P Drawdown - soybeans	Fiorellino, Nicole	PSLA
Fiber Hemp N Rate Evaluation	Fiorellino, Nicole	PSLA
Short Stature Corn Demonstration	Fiorellino, Nicole	PSLA
Mini N Rate for Aerial Photography	Fiorellino, Nicole	PSLA
Soybean Variety Trials - Full Season	Fiorellino, Nicole	PSLA
Soybean Variety Trials - Double Crop	Fiorellino, Nicole	PSLA
Soybean Plant Date v. Population	Fiorellino, Nicole	PSLA
UMD TAPS pilot	Fiorellino, Nicole	PSLA
Zeakal High Oleic Soybean - Full Season	Fiorellino, Nicole	PSLA
Corn Variety Trials	Fiorellino, Nicole	PSLA
Asgrow Private Soybean Trial - Full Season	Fiorellino, Nicole	PSLA
Early MG Soybeans	Kness, Andrew	UME
Soybean Fungicide Trials	Kness, Andrew	UME
Autonomous Tractor Technology	Ford, Travis	UME

Availability in Corn	Ford, Travis	UME
Corn and soybean insect trapping	Hamby, Kelly	ENTM
Effect of planting date on seasonal timing of pest complexes and insecticide efficacy	Hamby, Kelly	ENTM
Mixed small fruit planting *	Hamby, Kelly	ENTM
Spotted wing drosophila biological control *	Hamby, Kelly	ENTM
Moth Pheromone Traps	Hamby, Kelly	ENTM
Slug Monitoring	Hamby, Kelly	ENTM
MD	Hu, Mengjun	PSLA
Grape pathology trial *	Hu, Mengjun	PSLA
Strawberry pathology trial *	Hu, Mengjun	PSLA
Colletotrichum have on strawberry production in the Mid-Atlantic region *	Hu, Mengjun	PSLA
Sweet Corn Perennial Ground Cover (PGC) Preliminary Study	Joseph, Dwayne	UME
Cover Crop Demonstration *	Joseph, Dwayne	UME
Early Maturity Group Soybeans	Kness, Andy	UME
Early MG Soybeans	Kness, Andy	UME
Soybean Fungicide Trials	Kness, Andy	UME
Downforce testing on emergence and crop growth	Kumar, Hemendra	UME
Precision Irrigation Management	Kumar, Hemendra	UME
Native Grassland Planting	Macaulay, Luke	UME
Quail Habitat	Macaulay, Luke	UME
Pre-Breeding Objectives for Food Safety Improved Tomato *	Micallef, Shirley	PSLA
Analysis of Sweet Corn Pre-Sidedress Soil Nitrate Test (PSNT) Using Drone Imagery *	Phillips, Bill	UME
Mum Irrigation Study *	Ristvey, Andrew	UME
Use of Drones in Specialty crops (Aronia) *	Ristvey, Andrew	UME
Elderberry Variety Trial *	Ristvey, Andrew	UME
Effects of soil pH management on white truffle *	Ristvey, Andrew	UME
Indigo Trial *	Ristvey, Andrew	UME
Production *	Ristvey, Andrew	UME
Irrigation Treatments of Ginger for Effects in Phytochemical Production *	Ristvey, Andrew	UME
Effect of Irrigation on Aronia Phytochemical Production *	Ristvey, Andrew	UME

Effects of Irrigation rate of Phytochemical Content of Physalis *	Ristvey, Andrew	UME
Effects of Irrigation Rate on Tulsi (Holy Basil) Phytochemical Content *	Ristvey, Andrew	UME
Paw Paw *	Robinson, T. & C. Cochran	UME
Blueberry Variety Trial *	Sater, Haley	UME
Blackberry Variety Trial *	Sater, Haley	UME
Wye Island Riparian Switchgrass	Staver, Ken	WREC
Switchgrass Biofuel Plots	Staver, Ken	WREC
Paired watershed cover crop studies	Staver, Ken	WREC
The Mechanistic Drivers of Nutrient Losses in Maryland Agro Ecosystems	Staver, Ken	WREC
Advanced Yield Trials (Wheat) 1,2,3	Tiwari, Vijay	PSLA
Barley Variety Trials	Tiwari, Vijay	PSLA
Barley Preliminary Yield Trials	Tiwari, Vijay	PSLA
Cover Crop Trial (wheat)	Tiwari, Vijay	PSLA
Developing High-Yielding Improved Cultivars of the Soft Red Winter Wheat	Tiwari, Vijay	PSLA
Developing Profitable Barley Cultivars for MD	Tiwari, Vijay	PSLA
Eastern Malt	Tiwari, Vijay	PSLA
and Performance in Maryland	Tiwari, Vijay	PSLA
GAWN	Tiwari, Vijay	PSLA
Leading Edge Advanced	Tiwari, Vijay	PSLA
Leading Edge Preliminary	Tiwari, Vijay	PSLA
Mason Dixon	Tiwari, Vijay	PSLA
Mid Atlantic Seed	Tiwari, Vijay	PSLA
Pioneer	Tiwari, Vijay	PSLA
Preliminary Yield Trials 1,2,3, & 4	Tiwari, Vijay	PSLA
Small Increases	Tiwari, Vijay	PSLA
Triticale Multi F-Generation Plots	Tiwari, Vijay	PSLA
Triticale State	Tiwari, Vijay	PSLA
Wheat Variety Trials	Tiwari, Vijay	PSLA
Effect of Metribuzin on rotational crops	Vollmer, Kurt	UME
Improving Herbicide Resistant Weed Management in Maryland Soybean	Vollmer, Kurt	UME

Effect of Pyroxasulfone on Rotational Crops	Vollmer, Kurt	UME
Using biosolarization, cover cropping and strip tillage as an IWM tool	Vollmer, Kurt	UME
Relative Safety of Common Soil-Applied Herbicides for Early Planted Soybeans	Vollmer, Kurt	UME
Soybean Weed Control Using Broadaxe or Tendovo	Vollmer, Kurt	UME
Fierce Products for Weed Control in Soybean	Vollmer, Kurt	UME
Corn Weed Control using Storen	Vollmer, Kurt	UME
SC500 Tank-Mixtures for Weed Control in Corn	Vollmer, Kurt	UME
BAS842 for Weed Control in Soybean	Vollmer, Kurt	UME
Efficacy of Group 15 Herbicides Applied to Cereal Rye Residues	Vollmer, Kurt	UME
Performance of Pyridate on Succulent Peas *	Vollmer, Kurt	UME
Plasticulture Vegetable Production Comparing Cover and Non-Cover Treatments *	Vollmer, Kurt	UME
Maintaining Sweet Potato Varieties *	Yurchak, Veronica	UME
Syngenta Broccoli Trial *	Yurchak, Veronica	UME
Syngenta Spray Trial - Thrips *	Yurchak, Veronica	UME
Efficacy of Isocycloseram Against Seedcorn Maggots in Sweet Corn *	Yurchak, Veronica	UME