

Tennessee Soybean Promotion Board Research Meeting
Tennessee Soybean Promotion Council
Embassy Suites Hotel by Hilton, 820 Crescent Dr Franklin, TN
Wednesday, January 26, 2022

Time

All times are central Dress Code is Business Casual

8:00	Welcome/Introductions	Barry Sims
8:05	TSPB Chairman	Casey Youngerman
8:20	Extension Dean AgResearch Dean	Ashley Stokes Hongwei Xin
8:30	TSPB Executive Director	Parks Wells

2022 Renewal and New Proposal Requests, 2021 Final Progress Reports

		2022	2021	Proposal Title	Investigators	Inst.	2021 Award	2022 Request	2022 Funds Granted
1	8:40	22-172-R	21-172-P	Soybean Scout Schools and the Evaluation of Seed Treatments and Cover Crops	Sebe Brown Scott Stewart Heather Kelly Larry Steckel Angela McClure	UTIA	\$ 40,000	\$ 40,000	\$ 40,000
2	8:55	22-002-R	21-002-R	Screening of soybean varieties, breeding lines for charcoal rot, frogeye leaf spot and Phomopsis seed decay resistance	Alemu Mengistu Prakash Arelli Heather Kelly	USDA	\$ 25,000	\$ 33,410	\$ 25,000
3	9:10	22-012-R	21-012-R	Soybean Breeding & Genetics	Vince Pantalone Chris Wyman Alex Bruce	UTIA	\$ 75,000	\$ 80,147	\$ 80,147
4	9:25		20-149-R	Marker assisted backcross introgression of southern stem canker resistance and stem termination genes	Vince Pantalone Chris Wyman Mia Cunicelli	UTIA	\$ 25,000	\$ -	

		2022	2021	Proposal Title	Investigators	Inst.	2021 Award	2022 Request	2022 Funds Granted
5	9:40	22-182-P	N/A	Identification and integration of resistance loci to southern root-knot nematode into elite soybean cultivars	Vince Pantalone Tarek Hewezi	UTIA	N/A	\$ 36,084	\$ 36,084
6	9:55	22-020-R	21-020-R	Research and Extension Support for Management of Glyphosate-Resistant Weeds	Tom Mueller Larry Steckel	UTIA	\$ 80,000	\$ 121,665	\$ 80,000
	10:10			BREAK (10:10 - 10:30 AM)					
7	10:30	22-025-R	21-025-R	Support of Multi-County On-Farm Demonstrations of (CST) County Standardized Testing	Ryan Blair	UTIA	\$ 15,000	\$ 15,000	\$ 20,000
8	10:45	22-038-R	21-038-R	Technical Support for UT Variety Testing Program	Virginia Sykes	UTIA	\$ 40,000	\$ 45,000	\$ 45,000
9	11:00	22-181-P	N/A	Long-term impacts of crop rotations and cover crops on soybean yield and disease	Virginia Sykes L. Schumacher	UTIA	N/A	\$ 52,585	\$ 25,000
10	11:15	22-017-R	21-017-R	Technical Support of Soybean Specialist	Angela McClure	UTIA	\$ 20,000	\$ 22,960	\$ 22,960
11	11:30	22-104-R	21-104-R	Soybean Agronomics- Cultural Practices and Fertility for Yield Enhancement	Angela McClure Nutifafa Adotey Shawn Hawkins	UTIA	\$ 40,000	\$ 41,046	\$ 41,046
12	11:45	22-098-R	21-098-R	Soybean Pathology - Foliar and Soil Disease Monitoring and Management	Heather Kelly Scott Stewart Angela McClure Ryan Blair Prakash Arelli Alemu Mengistu	UTIA	\$ 120,000	\$ 134,083	\$ 120,000
	12:10			LUNCH (12:10 - 1:10 PM)					

		2022	2021	Proposal Title	Investigators	Inst.	2021 Award	2022 Request	2022 Funds Granted
13	1:10	22-169-R	21-169-P	Investigating the severity of nematode and fungal pathogens in Tennessee soybean production	Heather Kelly L. Schumacher Alemu Mengistu	UTIA	\$ 25,000	\$ 35,000	\$ 25,000
14	1:25	22-099-R	21-099-R	Molecular approaches to discover soybean resistance genes against soybean cyst nematode	Tarek Hewezi Neal Stewart Mitra Mazarei Vince Pantalone	UTIA	\$ 50,000	\$ 70,940	\$ 50,000
15	1:40	22-115-R	21-115-R	Application of next-generation sequencing technology for accelerating soybean breeding for high yield and disease resistance	Tarek Hewezi Vince Pantalone Prakash Arelli	UTIA	\$ 35,000	\$ 46,874	\$ 35,000
16	1:55	22-117-R	21-117-R	Genome editing and engineering pipeline	Neal Stewart	UTIA	\$ 35,000	\$ 50,000	\$ 50,000
17	2:10	22-151-R	21-151-R	Increased soybean yield potential through enhanced root architecture and biochemistry	Neal Stewart Tarek Hewezi Mitra Mazarei	UTIA	\$ 35,000	\$ 50,000	\$ 35,000
18	2:25	22-137-R	21-137-R	Profit optimizing water management research: Genotype Identification for drought tolerance traits: Exploring soybean water saving potential among Tennessee varieties & high oleic lines	Avat Shekoofa Angela McClure Vince Pantalone Brian Leib Prakash Arelli	UTIA	\$ 35,000	\$ 50,950	\$ 40,000
19	2:40	22-170-R	21-170-P	Allelopathic Effects of Cover Crop Species on Weed and Soybean Germination	Avat Shekoofa	UTIA	\$ 18,000	\$ 19,000	\$ 19,000

		2022	2021	Proposal Title	Investigators	Inst.	2021 Award	2022 Request	2022 Funds Granted
20	2:55	22-138-R	21-138-R	STEM Education through Agriculture at Lone Oaks Farm	Penny Russell Ben West Ron Blair	UTIA	\$ 15,000	\$ 20,000	\$ 20,000
	3:10			BREAK (3:10-3:20)					
21	3:20	22-161-R	21-161-R	Managing Drainage in Soybean to Alleviate Waterlogging and Drought	Brian Leib Avat Shekoofa Jeff Lannom	UTIA	\$ 8,000	\$ 9,000	\$ 9,000
22	3:35	22-180-P	N/A	Using Synthetic Biology to Create Soybean with Resistance to Multiple Insect Pests and Diseases	Feng Chen Vince Pantalone	UTIA	N/A	\$ 45,150	0
23	3:50	22-183-P	N/A	Value added plant growth enhancers to increase plant productivity and disease resistance using processing byproducts of soybean and CBD hemp	Toni Wang Kim Gwinn	UTIA	N/A	\$ 83,568	0
24	4:05	22-184-P	N/A	Validation of Soil-Test -Based Phosphorus and Potassium Fertilizer Recommendations for Soybean	Nutifafa Adotey Lori Duncan Angela McClure	UTIA	N/A	\$ 57,552	\$ 56,752
				Total UTIA Grants			\$ 736,000	\$ 1,160,014	\$ 874,989
	4:20			Adjourn University Presentations					
	4:30			TSPC Convenes Until 6:15 PM					
	6:30			Dinner Stoney River Steak House and Grill					

		2022	2021	Proposal Title	Investigators	Inst.	2021 Award	2022 Request	2022 Funds Granted
Thursday, January 27, 2022									
25	8:00	22-185-P	21-166- P	Biodiesel support	Tom Verry	CFAA	\$ 75,000	\$ 150,000	\$ 100,000
26	8:30	22-175-R	21-175-P	Effect of poultry litter on soybean nodulation and yield	Barb Darroch	UTM	\$ 15,700	\$ 16,020	\$ 16,020
27	8:45	22-174-P	21-174-P	Use of soybean residue as an alternative to litter material in poultry houses	Craig Darroch	UTM	\$ 5,000	\$ 9,075	\$ 9,075
28	9:00	22-177-P	21-177-P	WISHH new markets for soy	Liz Hare	WISHH	\$ 35,000	\$ 50,000	\$ 40,000
29	9:15		21-123-P	Germplasm enhancement in soybeans	Al Tahari	TSU	\$ 22,000	\$ -	\$ -
30	9:30	22-134-P	21-134-P	Agricenter International STEM	John Butler	AI	\$ 15,000	\$ 15,000	\$ 15,000
31	9:45	22-045-P	21-045-P	Agriculture in the classroom	Chris Fleming	TFBF	\$ 21,000	\$ 25,000	\$ 25,000
32	10:00		21-178-P	Farm Space drone education program	Derick Seaton	FS	\$ 5,000	\$ -	
33	10:15	22-145-P	21-145-P	Farm Animal Care Coalition of Tennessee	Julie Giles	FACCT	\$ 10,000	\$ 10,000	\$ 10,000
34	10:30	22-141-P	21-141-P	USSEC International trade	Brianna Metts	USSEC	\$ 35,000	\$ 40,000	\$ 35,000
35	10:45		21-179-P	Nutrient retention	Shawn Hawkins	UTIA	\$ 5,000	\$ -	0
Total Other Grants							\$ 243,700	\$ 315,095	\$ 250,095
Total UTIA and Others							\$ 979,700	\$ 1,475,109	\$ 1,125,084