

Student Paper and Poster Contest

2022 Committee: Dennis Scott, Josh Adkins, Clint Beiermann, and Prashasti Agarwal

There was a total of 53 oral and poster presentations entered into the student contest. These were divided among five oral sections and five poster sections. Due to its large size, the Agronomic Crops oral section was split into M.S. and Ph.D. participants. Forty-two members of the WSWS volunteered to judge the contest: Kirk Sagar, Brian Schutte, Marty Schraer, Caleb Dalley, Mirella Ortiz, Lovreet Shergill, Rui Liu, Ed Peachey, Clarke Alder, Elizabeth Mosqueda, Albert Adjesiwor, Stacey Swanson, Vipin Kumar, Rachel Zuger, Rachel Sedorf, Shannon Clark, Joe Yenish, Dan Beran, Kai Umeda, Rich Zollinger, Rafael Pedroso, Jacob Fischer, Jafe Weems, Connor Ferguson, Steve Fennimore, Greg Endres, Kirk Howatt, John Roncoroni, Kelly Backscheider, Lisa Rew, Caio Brunharo, Erik Lehnhoff, Ed Silva, Quincy Law, Byron Sleugh, John Madsen, Cody Zesigner, Tom Getts, Earl Creech, Clint Beiermann, Alix Whitener, and Josh Adkins. First, second, and third place was awarded to sections with 9+ participants. First and second place was awarded to sections with 5-8 participants. First place only was awarded to sections with 1-4 participants. The winners from each section were announced at the Business Breakfast and presented with their award check. First place winners also received a copy of *Aquatic and Riparian Weeds of the West* donated by Carol Mallory-Smith and Caio Brunharo. Plaques will be mailed to the winners at a later date. Contest winners for each section are listed below.

Oral, Agronomic Crops (M.S.)

First place- Tyler Hicks, University of Wyoming

Effect of Winter Wheat Cover Crop Termination Time on Dry Bean Production

Second place- Ryan Johnson, University of Wyoming

Cover Crop and Herbicide Combinations for Season-Long Weed Control in Dry Beans

Oral, Agronomic Crops (Ph.D.)

First place- Grace Ogden, Oklahoma State University

Sweep Tillage Impact on Tumble Windmill Grass

Second place- Liberty Galvin, University of California

Utilization of Pre-emergent Oxyfluorfen to Control Weedy (Red) Rice (*Oryza sativa Spontanea*), an Emerging Chemical Control Option for California Rice Producers

Oral, Basic Biology and Ecology

First place- Joe Ballenger, University of Wyoming

Shade Avoidance Alters the Root Architecture of Sugar Beets

Second place- Albert Kwarteng, University of Idaho

Transgenerational Effect of Weed Competition on Wheat

Oral, Horticultural Crops

First place- Deniz Inci, University of California

Simulated Off-Target Drift of Fluroxypyrifen-benzyl in Orchards and Vineyards

Oral, Range, Forestry, and Natural Areas

First place- Chloe Mattilio, University of Wyoming

Multispectral Satellite Remote Sensing for Leafy Spurge Mapping in Northwestern Colorado

Second place- Jodie Crose, University of Wyoming

Relative Tolerance of Newly-Seeded Grasses, Forbs, and Shrubs to Indaziflam in Northeast Wyoming

Poster, Agronomic Crops

First place- Sachin Dhanda, Kansas State University

Multiple Herbicide-Resistant Kochia in the Southcentral Great Plains: Field Survey and Management

Second place- Milos Zanic, University of Nebraska-Lincoln

Industrial Hemp Biomass Negatively Affected by Herbicide Drift from Corn and Soybean Herbicides

Third place- Victor Ribeiro, Oregon State University

Herbicide Resistance in Downy Brome from Fescue Fields in Oregon

Poster, Basic Biology and Ecology

First place- Crystal Sparks, Colorado State University

Glyphosate Induced Phytohormone Response in Rapid Necrosis Biotype of Giant Ragweed

Poster, Horticultural Crops

First place- Andres Contreras, University of California

Use of Preemergence Herbicides in California Orchard and Vineyard Systems

Poster, Range, Forestry, and Natural Areas

First place- Jodie Crose, University of Wyoming

Sagebrush Tolerance at Various Growth Stages to Four Annual Grass Herbicides

Second place- Mariana Amaral, Washington State University

Genome Wide Scan for ALS Resistance in *Bromus tectorum*

Poster, Undergraduate

First place- Felipe Bagnara, Colorado State University

Cross-resistance of *Conyza* spp. to Auxinic Herbicides