

2022 Virtual



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Thank you for your support!

Welcome to the 2022 Virtual International Wild Pig Conference!

On behalf of the National Wild Pig Task Force, thank you for joining us this year! We were hoping to see you all in person this year, but alas, Covid-19 has remained a deterrent to travel for so many!

Despite our return to a virtual platform, the NWPTF is committed to providing our constituents with the latest information on science, research, and management in the arena of wild pig control. So thank YOU for your ongoing efforts and perseverance in the mitigation of this invasive species!

The virtual format of this conference is “hybrid” in that some presentations are live and some are pre-recorded but always with the maximum interaction potential possible. So please, join us as much as your schedule allows, interact with colleagues, ask questions, and network!

We will see you on Monday, August 8th starting at 3pm Central Time for our Opening Social! Stop by and say hi!

Please plan to join us at our next face-to-face Wild Pig Conference April 2024 in Nashville, Tennessee!

Enjoy the Conference!

Gray

Dr. Gray Anderson, Chair National Wild Pig Task Force

2022 International Wild Pig Conference Organizing Staff:

Dr Jessica Tegt, Berryman Institute, Utah State University, 5230 Old Main Hill, Logan, UT 84322-5230, USA. www.berrymaninstitute.org

If you have any questions or issues with the links at any time, contact Jessica Tegt at jessica.tegt@usu.edu .

Seth Tarver, USU Event Services Coordinator: (435) 797-0526; seth.tarver@usu.edu

Presentation Line-up

Tuesday, August 9, 2022

9:00am

Conference Welcome

Dr. Gray Anderson

Chair, National Wild Pig Task Force

Dr. John Tomecek

Chair-elect, National Wild Pig Task Force

9:30am

Update from the USDA/APHIS/WS Feral Swine Damage Management Program

Dr. Dana Cole

Program Leader

Day 1 Conference Plenary

10:00am

Panel: Status of Wild Pig Toxicants in the US

Moderator: Dr. Jim LaCour

Louisiana Department of Wildlife and Fisheries

Panel Presenter: Dr. Glen Gentry

Director, Bob R. Jones-Idlewild Research Station, LSU

Panel Presenter: Nathan Snow

National Wildlife Research Center, USDA-APHIS-WS

Panel Presenter: Dr. John Tomecek

Texas A&M University, Texas AgriLife Extension

11:00am

African swine fever prevention and preparedness: Feral swine in the US

Dr. Vienna Brown

USDA/APHIS/WS National Feral Swine Management Program

11:30am

Live Plenary Q&A

Tuesday, August 9, 2022

Technical Sessions

Management I

1:00pm

No panacea attractant for wild pigs, but season and location matter

Nathan Snow

National Wildlife Research Center, USDA-APHIS-Wildlife Services

1:20pm

Implementing environmental DNA (eDNA) monitoring to support African Swine Fever (ASF) initiatives in the Caribbean

Anna Mangan

National Wildlife Research Center, USDA-APHIS-Wildlife Services

1:40pm

Collaboration for management of invasive species: partners for agricultural innovation and sustainability and the Alabama Feral Swine Control Program

Caleb Mullins

University of West Alabama

2:00pm

Impacts of aerial gunning removal events on wild pig presence and behavioral patterns in southwestern Georgia

Justine L. Smith

University of Georgia

2:20pm

Changes in wild pig population size, crop damage, and environmental impacts in response to management

Joseph Treichler

University of Georgia

Disease

2:40pm

Serosurveillance for anthrax exposure in Texas feral swine: a potential biosurveillance tool for mapping risk

Rachel Maison

Colorado State University

3:00pm

Exploring differential host susceptibility or resistance pathogens in wild pigs

Courtney Bowden

National Wildlife Research Center, USDA-APHIS-Wildlife Services

3:20pm

Adaptive risk-based targeted surveillance for foreign animal diseases in wild pigs

Ryan Miller

USDA-APHIS-Veterinary Services, Center for Epidemiology and Animal Health

3:40pm

Feral swine removal in the Caribbean: minimizing the risk of African Swine Fever in the US Territories

Gregory Franckowiak

Feral Swine Damage Management Program, USDA-APHIS-Wildlife Services

Wednesday, August 10, 2022

Day 2 Conference Plenary

9:00am

Distribution and status of invasive wild pigs in Canada

Dr. Ryan Brook

Associate Professor, University of Saskatchewan

Technical Sessions

Damage

10:00am

Preventive feral swine population and costs model

Frannie Miller

New Mexico State University

10:20am

Influence of habitat attributes on the distribution of wild pig rooting damage in forested and agricultural ecosystems

Joseph Treichler

University of Georgia

10:40am

Using Unoccupied Aircraft System (UAS) with a multispectral sensor to assess crop damage by wild pigs in Alabama

Arielle Fay

Auburn University

11:00am

Using drones to detect and quantify wild pig damage and yield loss in corn fields throughout plant growth stages

Bethany Friesenhahn

Texas A&M University-Kingsville

Human Dimensions

11:20am

Managing feral swine: the Berryman Institute's commitment to engage stakeholders

Terry Messmer

Utah State University, Berryman Institute

11:40am

Arkansas landowner perspectives of impacts by wild pigs

Becky McPeake

University of Arkansas Division of Agriculture, Cooperative Extension Service

12:00pm

Squeal on pigs! A U.S. and Canadian partnership to prevent the introduction and spread of transboundary feral swine

Justin Bush

Washington Invasive Species Council

Management II

1:30pm

Corn is the king of wild pig baits; or is it?

Lee Williamson

Texas Parks and Wildlife Department

1:50pm

Analyzing wild pig social patterns and habitat selection to improve control operations in southwest Georgia and north Florida

Faith Kruis

University of Georgia

2:10pm

Small Unmanned Aerial Systems (sUAS) improve management of feral swine within Missouri

Luke Miller

USDA-APHIS-Wildlife Services

2:30pm

Large-scale evaluation of a sodium nitrite toxic bait for wild pigs

Nathan Snow

National Wildlife Research Center, USDA-APHIS-Wildlife Services

2:50pm

Turbo fladry reduces agricultural damage caused by wild pigs

Jesse Tussing and Michael Glow

USDA-APHIS-Wildlife Services

3:10pm

Automated tool to detect, classify, and count animals in camera trap images using artificial intelligence

Ryan Miller

USDA-APHIS-Veterinary Services, Center for Epidemiology and Animal Health

Thursday, August 11, 2022

State/Provincial Reports

9:00-11:00am

Report times differ, so presenters are listed in order their reports will be shown

Louisiana- Jim LaCour, Louisiana Department of Wildlife and Fisheries

Missouri- Alan Leary, Missouri Department of Conservation

South Carolina- Jack Mayer, Savannah River National Laboratory, Aiken South Carolina

Mississippi- Ricky Flynt, Mississippi Department of Wildlife, Fisheries, and Parks

Texas- Mike Bodenchuk, Texas State Director, USDA-APHIS-Wildlife Services

Ontario- Paula Julio and Katrina Wisniewski, Ontario Ministry of Natural Resources and Forestry

North Carolina- Falyn Owens, North Carolina Wildlife Resources Commission

Alabama- Andrew Green, Alabama Department of Conservation and Natural Resources

Technical Sessions

Biology, Ecology, and Genetics

12:00pm

Regional growth rates in wild pigs

Benjamin Smith

National Wildlife Research Center, USDA-APHIS-Wildlife Services

12:20pm

Genetic differentiation of invasive wild pigs from domestic pigs

Rachael Giglio

National Wildlife Research Center, USDA-APHIS-Wildlife Services

12:40pm

Examining barriers influencing wild boar dispersal and gene flow through haplotype and population structure analysis

Rie Saito

University of Georgia, Savannah River National Laboratory

1:00pm

Movement behaviors of wild pigs in U.S. Marine Corps Base, Camp Blaz, Guam

Kelly Koriakin

National Wildlife Research Center, USDA-APHIS-Wildlife Services

1:20pm

Movements and resource selection of wild pigs in relation to growth stages of corn

Bethany Friesenhahn

Texas A&M University-Kingsville

1:40pm

Using DNA metabarcoding to assess food habits of invasive wild pigs in the southeastern United States

Vienna Canright

University of Georgia

2:00pm

Factors influencing pregnancy, litter size, and reproductive parameters of wild pigs on the Savannah River Site, South Carolina

Sarah Chinn

University of Georgia, Savannah River National Laboratory

2:20pm

Population response of Eastern Wild Turkeys to removal of wild pigs

Matthew McDonough

Auburn University

THANK YOU FOR JOINING US!

