Evaluating and Mitigating the Risks of Invasive Feral Swine to Agriculture and Ecosystems

Dr. Ryan Brook ryan.brook@usask.ca
www.facebook.com/WildPigResearch
Temporal Trends in Domestic Wild Boar Production in Canada

[Graph showing temporal trends in the number of wild boar farms and the number of domestic wild boar over the years 1991 to 2011.]
Spatial Trends in Domestic Wild Boar Production in Canada

2001
Continuous Reproduction

The bar graph shows the percentage of all wild piglets detected throughout different seasons. The highest percentage is observed in Late Summer, followed by Spring, Late Winter, Early Summer, and Fall. The lowest percentage is observed in Early Winter.
Risks and Impacts
Risks and Impacts
Risks and Impacts
Risks and Impacts
Risks and Impacts
Risks and Impacts
Risks and Impacts
Risks and Impacts
U.S. Distribution
Canadian Distribution 1990-2000

Watersheds with Wild Pig Presence Detected
- Wild Pig Presence
- Waterbodies
Canadian Distribution 2001-2010

Watersheds with Wild Pig Presence Detected
- Wild Pig Presence
- Waterbodies

Scale: 0 375 750 1,500 Kilometers
Canadian Distribution 2011-2017

Watersheds with Wild Pig Presence Detected
- Red: Wild Pig Presence
- Blue: Waterbodies

Scale:
- 0 375 750 1,500 Kilometers
Canadian Distribution 2011-2017

Watersheds with Wild Pig Presence Detected
- Wild Pig Presence
- Waterbodies
Wild Pigs: What is Required for Success?
Wild Pigs: What is Required for Success?

• Leadership
Wild Pigs: What is Required for Success?

• Leadership

• Communication and engagement
Wild Pigs: What is Required for Success?

- Leadership
- Communication and engagement
- Research and monitoring
Wild Pigs: What is Required for Success?

• Leadership
• Communication and engagement
• Research and monitoring
• Judas Pigs
Wild Pigs: What is Required for Success?

• Leadership
• Communication and engagement
• Research and monitoring
• Judas Pigs
• Whole Sounder Removal
Wild Pigs: What is Required for Success?

• Leadership
• Communication and engagement
• Research and monitoring
• Judas Pigs
• Whole Sounder Removal
• Policy changes
Wild Pigs: What is Required for Success?

- Leadership
- Communication and engagement
- Research and monitoring
- Judas Pigs
- Whole Sounder Removal
- Policy changes regarding land access
- Disease testing