



Montana Invasive Species Council

M. crucifer SCIENCE ADVISORY PANEL

APRIL 30-May 1, 2019
Chico Hot Springs, Pray, MT

Topic: Scoping the potential for approval of *Mogulones crucifer* for classical biological control of houndstongue in the U.S.

Purpose: To evaluate the feasibility of gaining approval to release *Mogulones crucifer* for biological control of houndstongue in the U.S. by reviewing information available subsequent to its approval for release as a biological control agent in Canada; identify USDA APHIS and USFWS ecological criteria that will be used to determine the safety of releasing *M. crucifer* as a biological control agent in the U.S.; and provide input and guidance to managers if the organism is encountered in the field.

Expected Panel Outcomes:

- Review results of studies assessing the host specificity and possible nontarget impacts of *Mogulones crucifer* conducted after the original petition for release was evaluated, to determine if new information has the potential to adequately address historic reservations regarding the safety of releasing *M. crucifer* in the U.S.
- Determine if information that became available subsequent to the review of the original petition to release is substantive enough to trigger changes to *Mogulones crucifer*'s current pest status.
- Identify relevant knowledge gaps and probable challenges associated with the approval for *Mogulones crucifer* as a biological control agent in the U.S., and to identify information/efforts that would address those gaps and challenges.
- Provide next steps to be taken by researchers, regulators and managers regarding the status of *Mogulones crucifer*.
- Provide input and guidance to managers of private and governmental lands on interacting with *Mogulones crucifer* if it is encountered in the field.

AGENDA

DAY ONE: 9:00 – 5:00		
9:00 AM	Welcome <ul style="list-style-type: none"> Montana Invasive Species Council (MISC) MISC Science Advisory Panel co-chairs 	Bryce Christiaens, MISC Chair Sharlene Sing, U.S. Forest Service Research Entomologist
9:10 AM	Introductions	David Weaver, moderator Montana State University
9:20 AM	Overview of workshop Ground rules Outcomes	David Weaver
9:30 AM	Background and need for Science Advisory Panel on <i>M. crucifer</i>	Mark Schwarzlander University of Idaho
10:30 AM	BREAK	
10:45 AM	Session One: Current Status of <i>M. crucifer</i> <ul style="list-style-type: none"> Current distribution and rate of spread Legal and ecological implications of spread from Canada into U.S. 	David Weaver Panelists
11:15 AM	Question/Answer – session one	All participants
11:30 AM	Session Two: <i>M. crucifer</i> non-target impacts <ul style="list-style-type: none"> What non-target species are affected in North America What new data is available to assess risks 	David Weaver Panelists
12:15 PM	Question/Answer – session two	All participants
12:30 PM	LUNCH	
1:30 PM	Session Three: Pest alert and regulatory issues <ul style="list-style-type: none"> USDA APHIS pest alert information Can the pest be re-petitioned? Can the pest alert be lifted? 	David Weaver Panelists
2:15 PM	Question/Answer – session three	All participants
2:30 PM	BREAK	
2:45 PM	Session Four: Petition Evaluation	David Weaver Panelists

	<ul style="list-style-type: none"> • Ecological criteria used for evaluating <i>M. crucifer</i> as a biological control agent • Information required to approve <i>M. crucifer</i> as a biological control agent • Acceptable level or type of spillover onto non-target species 	
3:45 PM	Question/Answer – session four	All participants
4:00 PM	Wrap up Day 1	David Weaver
6:00 PM	Group dinner (optional)	
DAY TWO: 8:30 AM - NOON		
8:30 AM	Welcome	David Weaver
8:40 AM	Review of day one topics and recommendations	David Weaver
9:00 AM	Session Five: Management recommendations <ul style="list-style-type: none"> • Pathways of introduction • Mitigation strategies • What to do if identified in field • Legal ramification for moving <i>M. crucifer</i> w/in state 	David Weaver Panelists
9:45 AM	Question/answer – session five	All participants
10:00 AM	BREAK	
10:15 AM	Session Six: Next steps <ul style="list-style-type: none"> • Consideration of future status of <i>M. crucifer</i> • Risk-benefit analysis • Addressing knowledge gaps 	David Weaver Panelists
11:15 AM	Question/answer – session six	All participants
11:30 AM	Recap of recommendations and action items	David Weaver
12:00 PM	Close and adjourn	Bryce and Sharlene