

4th NRIPC Conference 17-20 October, 2016, Boise Centre, Boise, ID

Monday, October 17

7:00am	10:00am	NRIPC Registration (East Hall)
8:30am	12:00pm	Invasive Mustards Symposium (Summit Auditorium)
8:30am	8:40am	Welcome, <i>Joey Milan (USDI BLM, Boise, ID)</i>
8:40am	9:00am	1 Biology of Invasive Mustards, <i>Tim Prather (University of Idaho, Moscow, ID)</i>
9:00am	9:20am	2 Extent of the Problem on BLM Lands, <i>Lonnie Huter (USDI BLM, Boise, ID)</i>
9:20am	9:40am	3 Dealing with Invasive Mustards From a County Perspective But Where's the "Catch-up"?, <i>Desiree Keeney (Ada County Weed Control, Boise, ID)</i>
9:40am	10:00am	4 Genetics of the Mustards, <i>John Gaskin (USDA ARS NAPRL, Sidney, MT)</i>
10:00am	10:20am	COFFEE BREAK (East Hall)
10:20am	10:40am	5 <i>Hoary allysum</i> , <i>Jane Mangold (Montana State University, Bozeman, MT)</i>
10:40am	11:00am	6 Foreign Research Activities on Perennial Pepperweed (<i>Lepidium latifolium</i> L.) During 2016, <i>Massimo Cristofaro (BBCA, Rome, Italy)</i>
11:00am	11:20am	7 Giving Dyer's Woad the Blues, <i>Hariet Hinz (CABI, Del é mont, Switzerland)</i>
11:20am	11:40am	8 Prospects for the Biological Control of Hoary Cress, <i>Philip Weyl (CABI, Delémont, Switzerland)</i>
11:40am	12:00pm	9 Biogocial Control Situation Stateside, <i>Mark Schwarzlaender (University of Idaho, Moscow, ID)</i>
12:00pm		SYMPOSIUM ADJOURN
12:00pm	1:00pm	LUNCH (on your own)
1:00pm	5:00pm	Russian Olive Symposium (Summit Auditorium)
1:00pm	1:20pm	Welcome, <i>Dan Bean (CO Dept of Ag, Palisade, CO)</i>
1:20pm	1:40pm	10 Russian Olive Alters Nutrient Cycling in Riparian Ecosystem, <i>Andrew Norton (Colorado State University, Ft. Collins, CO)</i>
1:40pm	2:00pm	11 Russian Olive Biocontrol Prospects in the Post-Tamarish Biocontrol Era, <i>Dan Bean (CO Dept of Ag, Palisade, CO)</i>
2:00pm	2:20pm	12 Russian Olive Invasion, Removal and Restoration in the Northern Great Plains, A 5-Year Report, <i>Natalie West (USDA ARS NAPRL, Sidney, MT)</i>
2:20pm	2:40pm	13 Can a Tiny Mite Slow Down the Invasion of a Tree? Host Specificity and Impact of <i>Aceria angustifoliae</i> , <i>Urs Schaffner (CABI, Delémont, Switzerland)</i>
2:40pm	3:20pm	BREAK (East Hall)
3:20pm	3:40pm	14 Managing Phreatophytes in Colorado: Russian-Olive, <i>Steve Ryder (CO Dept of Ag, Broomfield, CO)</i>
3:40pm	4:00pm	15 Russian Olive as Wildfire Habitat and Potential Conflicts with Biological Control, <i>Matt Johnson (Northern Arizona University, Flagstaff, AZ)</i>
4:00pm	4:20pm	16 Removal Thresholds and Spatial Configurations for Implementing Control of Russian Olive (<i>Elaeagnus angustifolia</i>) While Preserving Habitat for Seasonal Bird Communities, <i>Michael Guilfoyle (US Army Engineer R&D Center, Vicksburg, MS)</i>
4:20pm	4:40pm	17 Russian Olive Removal and Restoration Affect Insect Community Dynamics, <i>Natalie West (USDA ARS NAPRL, Sidney, MT)</i>
4:40pm	5:00pm	18 Endangered Species and Critical Habitat in the Context of Russian Olive Control, <i>Bob Kibler (USFWS, Boise, ID)</i>
5:00pm		SYMPOSIUM ADJOURN

5:00pm 7:00pm Biocontrol Consortium: Invasive Mustards, Mark Schwarzlaender (University of Idaho, Moscow, ID) and Joey Milan (USDI BLM/ISDA, Boise, ID) (Summit Auditorium)

Tuesday, October 18

7:00am 8:00am Biocontrol Consortium: Flowering Rush (*Butomus umbellatus*), Jennifer Andreas (Washington State University, Puyallup, WA) (Summit Auditorium)

7:00am 10:00am NRIPC Registration (East Hall)

8:00am 12:00pm Rush Skeletonweed Symposium I (Summit Auditorium)

8:00am 8:20am Welcome: Joey Milan Joey Milan (USDI BLM) and Mark Schwarzländer (Univ. of Idaho)

Theme 1: Ecology & Biology

8:20am 8:40am **19** The Biology of Rush Skeletonweed in Western North America, *Tim Prather (University of Idaho, Moscow, ID)*

8:40am 9:00am **20** Genetic Population Structure of Rush Skeletonweed in North America and Effects on Biological Control Agent Attack, *John Gaskin (USDA ARS NAPRL, Sidney, MT)*

9:00am 9:20am **21** A Dispersal and Susceptibility Model for Rush Skeletonweed in Western Rangelands, *Tim Prather (University of Idaho, Moscow, ID)*

Theme 2: Biological Control and Integrated Weed Management

9:20am 9:40am **22** A Weed Risk Assessment for Rush Skeletonweed (*Chondrilla juncea*), a Significant U.S. Invader, *Anthony Koop (USDA APHIS CPHST, Raleigh, NC)*

9:40am 10:20am COFFEE BREAK (East Hall)

10:20am 10:40am **23** Implementation of the Rush Skeletonweed Moth, *Braddyrhoa gilveolella* and Research on the Candidate Biocontrol Agent *Oprosamma wertheimsteini*, *Jeff Littlefield (Montana State University, Bozeman, MT)*

10:40am 11:00am **24** Rearing and Redistribution of Rush Skeletonweed Biocontrol Agents, *Paul Brusven (NPBC, Lapwai, ID)*

11:00am 11:20am **25** Foreign research activities on RSW (*Chondrilla juncea*) during 2015-2016, *Massimo Cristofaro (BBCA, Rome, Italy)*

11:20am 11:40am **26** Host Plant Resistance in Rush Skeletonweed to the Rush Skeletonweed Rust *Puccinia chondrillinae*, *Mark Schwarzländer (University of Idaho, Moscow, ID)*

11:40am 12:00pm **27** Effective Treatment Using Herbicides, *Ian Burke (Washington State University, Pullman, WA)*

12:00pm 1:00pm LUNCH (on your own)

1:00pm 5:20pm Rush Skeletonweed Symposium II (Summit Auditorium)

Theme 3: Agency Perspectives

1:00pm 1:20pm **28** The Montana Perspective, *Dave Burch (MT Dept. of Ag., Helena, MT)*

1:20pm 1:40pm **29** Lincoln County and the Montana Task Force, MT, *Dan Williams (Lincoln County Weed District, Libby, MT)*

1:40pm 2:00pm **30** Managing Rush Skeletonweed in the Lemhi Cooperative Weed Management Area in Eastern Idaho, *Jeremy Varley (Lemhi County Weed, Salmon, ID)*

2:00pm 2:20pm **31** Oregon's Skeletonweed Battle, *Mark Porter (OR Dept. of Ag., Enterprise, OR)*

2:20pm 2:40pm **32** Rush Skeletonweed: The Idaho Perspective, *Joey Milan (USDI BLM, Boise, ID)*

2:40pm 3:00pm **33** Rush Skeletonweed: The Washington Perspective, *Jennifer Andreas (Washington State University, Puyallup, WA)*

3:00pm 3:40pm BREAK (East Hall)

3:40pm 4:00pm **34** The Management of Rush Skeletonweed on BLM Lands, *Dr. Richard Lee (USDI BLM, Denver, CO)*

4:00pm 4:20pm **35** The Management on FS Lands, *Gil Gale (USDA FS, Hamilton, MT)*

Theme 4: Synthesis and Next Steps

4:20pm	4:40pm	36 History of the Rush Skeletonweed Task Force and the Revitalized Multi-Stakeholder Rush Skeletonweed Task Force, <i>Joey Milan (USDA BLM/ISDA, Boise, ID)</i>
4:40pm	5:00pm	37 Developing a Multi-Agency Pest Management Strategic Plan (PMSP), <i>Mark Schwarzländer (University of Idaho, Moscow, ID)</i>
5:00pm		SYMPOSIUM ADJOURN
5:00pm	6:00pm	Biocontrol Consortium: Oxeye Daisy (<i>Leucanthemum vulgare</i>) , <i>Alec McClay (Ecoscience, Sherwood Park, Alberta)</i> (Summit Auditorium)
6:00pm	7:00pm	Biocontrol Consortium: Common Tansy (<i>Tanacetum vulgare</i>) , <i>Alec McClay (Ecoscience, Sherwood Park, Alberta)</i> (Summit Auditorium)

Wednesday, October 19

6:00am	12:00pm	NRIPC Registration (East Hall)	
6:00am	12:00pm	Vendor Setup (400 D)	
7:00am	8:00am	Biocontrol Consortium: Houndstongue (<i>Cynoglossum officinale</i>) , <i>Mark Schwarzlaender (University of Idaho, Moscow, ID)</i> (Summit Auditorium)	
8:00am	8:30am	NRIPC Welcome: <i>Jane Mangold (Montana State Univ., Bozeman, MT)</i> (Summit Audit.) Conference Welcome: Idaho Representative Mr. Thomas Dayley, District 21 B	
8:30am	9:00am	38 Keynote: Invasive Plant Management in the Western US: A Scientific Assessment , <i>Roger Sheley (USDA ARS EOARC, Burns, OR)</i>	
9:00am	9:30am	39 Keynote: Using Resilience and Resistance Concepts to Assess Invasive Annual Grass and Wildfire Threats to Sagebrush Ecosystems and Sage-Grouse and Prioritize Conservation and Restoration Actions , <i>Jeanne Chambers (USDA FS RMRS, Reno, NV)</i>	
9:30am	10:00am	40 Keynote: Conceptual Framework for Assessing Ecological Impacts of Invasive Plants , <i>Daniel Tekiela (University of Wyoming, Laramie, WY)</i>	
10:00am	10:30am	41 Keynote: Climate Change and Invasive Plants - Feedbacks and Feedforwards , <i>Matt Germino (USGS, Boise, ID)</i>	
10:30am	11:00am	COFFEE BREAK (400 D)	
11:00am	12:00pm	Session A1: Genetic Variability of Invasive Plants (400 A) <i>Dr. John Gaskin (Moderator)</i>	Session B1: Re-thinking Integrated Weed Management (400 B) <i>Dr. Sharlene Sing & Carol Randall (Moderators)</i>
11:00am	11:20am	42 Genetics Variation and Management of Eurasium Watermilfoil, <i>Ryan Thum (Montana State University, Bozeman, MT)</i>	43 The Economic Costs of Noxious Weeds on Private Rangeland in Montana, <i>Jane Mangold (Montana State University, Bozeman, MT)</i>
11:20am	11:40am	44 Invasion Genetics of Diffuse Knapweed, <i>Kathryn Turner (Colorado State University, Ft. Collins, CO)</i>	45 The Potential for the Use of Civilian Dog/Handler Teams in Invasive Species Detection, <i>Denise McLean (Prince George, BC, Canada)</i>
11:40am	12:00pm	46 The Role of Multiple Introduction, Hybridization and Polyploidy in Biological Invasions: Evidence from the Tragopogon Species Complex, <i>Steve Novak (Boise State University, Boise, ID)</i>	47 A Meta-Analysis of Canada Thistle (<i>Cirsium arvense</i>) Management in Organic Perennial Systems, <i>Noelle Orloff (Montana State University, Bozeman, MT)</i>
12:00pm	1:00pm	LUNCH (provided 400 C)	

4th NRIPC Conference

1:00pm	1:40pm	Session A1: Genetic Variability of Invasive Plants Cont. (400 A)	Session B1: Re-thinking Integrated Weed Management Cont. (400 B)
1:00pm	1:20pm	48 Genetic Analysis of Native and Invasive Populations of <i>Ventenata dubia</i> (Poaceae): Identification of Geographic Origins and Estimation of Propagule Pressure, <i>Inna Pervukhina-Smith (Boise State University, Boise, ID)</i>	49 Invasion Curve as a Marketing Tool for Integrated Weed Management for Invasive Plants, <i>Carol Randall (USDA FS, Coeur d'Alene, ID)</i>
1:20pm	1:40pm	50 Amplified Fragment Length Polymorphism (AFLP) Analysis of Native and Invasive Populations of <i>Taeniatherum caput-medusae</i> subspecies <i>asperum</i> (medusahead): insights into the invasion process, <i>Steve Novak (Boise State University, Boise, ID)</i>	51 Sheep, Insects, and Herbicide: Exploiting the Life Cycle of Spotted Knapweed as a Means of Control, <i>Chris Carlson (City of Missoula, Missoula, MT)</i>
1:40pm	3:00pm	Session A2: Annual Grasses (400 A) <i>Bryce Christiaens (Moderator)</i>	Session B2: New Invaders (400 B) <i>Joey Milan (Moderator)</i>
1:40pm	2:00pm	52 Esplanade® 200 SC Herbicide for Invasive Annual Grass Control, <i>Harry Quicke (Bayer Environmental Science, Ft Collins, CO)</i>	53 PPQ's Tiered Weed Evaluation Process and Weeds of Concern to the Northern Rockies, <i>Anthony Koop (USDA APHIS CPHST, Raleigh, NC)</i>
2:00pm	2:20pm	54 The Invasion of <i>Taeniatherum caput-medusae</i> subspecies <i>asperum</i> in the Western United States is Associated with a Climatic Niche Shift: Evidence for Post-Introduction Evolution, <i>Eli Frazier (Boise State University, Boise, ID)</i>	55 Narrow-leaf Hawksbeard (<i>Crepis tectorum</i>): a New Invasive Plant to Northeastern Montana, <i>Shelley Mills (Montana State University, Bozeman, MT)</i>
2:20pm	2:40pm	56 <i>Pseudomonas fluorescens</i> strains D7 and ACK55: Bureau of Land Management Program Update, <i>Richard Lee (USDI BLM, Denver, CO)</i>	57 Common Buckthorn: Looking Closely Reveals a New (Old) Invader, <i>Morgan Valliant (City of Missoula, Missoula, MT)</i>
			Session B3:Wet and Wild - Aquatic Invasive Plants (400 B) <i>Jenifer Parsons (Moderator)</i>
2:40pm	3:00pm	58 An Integrative Approach to Understand the Introduction and Invasion of <i>Ventenata dubia</i> (Poaceae) in the Western U.S., <i>René Sforza (USDA ARS EBCL, Montpellier, France)</i>	59 Documenting Environmental Changes in Flowering Rush, <i>Virgil Dupuis (Salish Kootenai College, Ronan, MT)</i>
3:00pm	3:20pm	BREAK Sponsored by Bayer Crop Science (400 D)	
3:20pm	5:00pm	Session A3: Weeds and Sage-Grouse Management (400 A) <i>Dr. Sharlene Sing (Moderator)</i>	Session B3:Wet and Wild - Aquatic Invasive Plants (400 B) <i>Jenifer Parsons (Moderator)</i>

3:20	3:40pm	60 Does Management for High Ecological Condition in Sagebrush Communities Generate Optimal Brood Rearing Habitat?, <i>Clayton Marlow (Montana State University, Bozeman,</i>	61 Are Native Macrophyte Communities Different in the Presence of an Invasive Alien Species?, <i>Darren Reidy (University of College, Cork, Ireland)</i>
3:40pm	4:00pm	62 Understanding the Role of Resource Limitation in Restoration of Cold Desert Shrublands Invaded by Cheatgrass (<i>Bromus tectorum</i> L.), <i>Jeanne Chambers (USDA FS RMRS, Reno, NV)</i>	63 Light-Related Phenotypic Plasticity of Invasive, Submerged Macrophytes, <i>Darren Reidy (University of College, Cork, Ireland)</i>
4:00pm	4:20pm	64 Indirect Effects of Invasive Plants and Their Management on Sage-Grouse Habitat, <i>Sharlene Sing (USDA FS RMRS, Bozeman, MT)</i>	65 Unravelling the Biogeographic Origins of <i>Myriophyllum spicatum</i> , <i>Philp Weyl (CABI, Delémont, Switzerland)</i>
4:20pm	4:40pm	66 Invasive Plant Management: A Western Action Plan Update, <i>Ken Mayer (K. E. Mayer & Associates, LLC. Reno, NV)</i>	67 Curlyleaf Pondweed Management in Montana: Where Are We At and Where Do We Go?, <i>Craig McLane (Montana Fish, Wildlife and Parks, Helena, MT)</i>
4:40pm	5:00pm	68 Sage-grouse Food or Just Another Pretty Weed? <i>Roger Rosentreter (Retired USDI BLM, Boise, ID)</i>	69 An Update on Flowering Rush Distribution and Control Efforts in the Columbia River Watershed, <i>Jenifer Parsons (WA Dept of Ecology, Yakima, WA)</i>
5:00pm	7:00pm	HAPPY HOUR & HORS D'OEUVRES PROVIDED (CASH ONLY for beverages , SW Foyer BC East)	

Thursday, October 20

7:00am	8:00am	NRIPC Business Meeting & HOT BREAKFAST (400 C)	
8:00am	8:30am	70 Keynote: Biological Invasions in the Developing World: Woody Weeds in East Africa, <i>Urs Schaffner (CABI, Delémont, Switzerland)</i>	
8:30am	9:00am	71 Keynote: Presidential Memorandum on Pollinators - What It Means for Restoration and Reclamation Projects, <i>John Proctor (USDA FS, Ogden, UT)</i>	
9:00am	10:00am	COFFEE BREAK (400 D)	
10:00am	12:00pm	Session A4: Biocontrol (400 A) <i>Carol Randall (Moderator)</i>	Session B4: Restoration and Revegetation (400 B) <i>Dr. Jane Mangold (Moderator)</i>
10:00am	10:20am	72 USDA APHIS PPQ Policies Regarding Biological Weed Control and Subsequent Interactions, <i>Greg Goodman, APHIS PPQ, Riverdale, MD</i>	73 Mitigating Priority Effects of Invasive Plants During Revegetation by Altering Perennial Grass Planting Date, <i>Stacy Davis (Montana State University, Bozeman, MT)</i>
10:20am	10:40am	74 The Nagoya Protocol: Implications for Classical Biological Control and Recent Initiatives for its Implementation, <i>Philp Weyl (CABI, Delémont, CH)</i>	75 Restoration as Assisted Succession – A Data-Driven Approach, <i>Zach Sylvain (USDA ARS NAPRL, Sidney, MT)</i>
10:40am	11:00am	76 Monitoring and Mapping Weed Biocontrol: Standardized Impact Monitoring Protocol and EDDMapS's i-Biocontrol App, <i>Carol Randall (USDA FS, Coeur d'Alene, ID)</i>	77 Using Cover Crops in Revegetation after Energy Development, <i>Natalie West (USDA ARS NAPRL, Sidney, MT)</i>

4th NRIPC Conference

11:00am	11:20am	78 Role of plant volatile cues in the host finding and environmental safety assessment of the weevil <i>Mogulones crucifer</i> , a biological control agent of <i>Cynoglossum officinale</i> , <i>Basu Kafle</i> (University of Idaho, Moscow, ID)	79 Best Management Practices for Improving Pollinator Habitat During Integrated Pest Management, <i>John Proctor</i> (USDA FS, Ogden, UT)
11:20am	11:40am	80 Simple Citizen Science Monitoring Programs Generate a Wealth of Data to Assess Weed Biocontrol Effects, <i>Mark Schwarzländer</i> (University of Idaho, Moscow, ID)	81 Update on Medusahead Restoration in Montana, <i>Virgil Dupuis</i> (Salish & Kootenai College, Ronan, MT)
11:40am	12:00pm	82 Update on Yellow Toadflax (<i>Mecinus janthinus</i>), <i>Sharlene Sing</i> (USDA FS RMRS, Bozeman, MT)	83 The Changing Face of Plant Materials, Can a New Approach Improve Restoration Success? <i>Scott Jensen</i> (USDA FS RMRS, Provo, UT)
12:00pm	NRIPC CONFERENCE ADJOURN		