

CURRICULUM VITAE

NAME

Beck, K George, II

ADDRESS

Bioagricultural Sciences and Pest Management
College of Agricultural Sciences

Weed Research Laboratory
116 Weed Research Lab

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(970) 491-7568

EDUCATION

1985 Ph D, UNIV OF IDAHO

1977 MS, UNIV OF IDAHO

1975 BS, UNIV OF IDAHO

OTHER POSITIONS

2000 - Present Professor of Weed Science, Dept Bioag Sciences & Pest Mgmt, Colorado State University.

1991 - 2000 Associate Professor, Department of Bioag Sci & Pest Mgmt, Colorado State University.

PUBLISHED WORKS

Books

DiTomaso, J. M., Kyser, G. B., Oneto, S. R., Wilson, R. G., Orloff, S. B., Anderson, L. W., Wright, S. D., Roncoroni, J. A., Miller, T. L., Prather, T. S., Ransom, C., Beck, K. G., Duncan, C., Wilson, K. A. (2013). *Weed Control in Natural Areas in the Western United States* (pp. 544 pages). Davis, CA: Western Research & Information Center, University of CA.

Refereed Journal Articles

Sebastian, D. J., Sebastian, J. R., Nissen, S. J., Beck, K. G. (2015). A potential new herbicide for invasive annual grass control on rangeland. *Rangeland Ecology and Management*, 4. [dx.doi.org/10.1016/j.rama.2015.11.001](https://doi.org/10.1016/j.rama.2015.11.001)

Kessler, K. C., Nissen, S. J., Meiman, P., Beck, K. G. (2015). Litter Reduction by Prescribed Burning Can Extend Downy Brome Control. *Rangeland Ecology & Management*, 68(4), 367-374.

Beck, K. G. (2014). Invasive Species: Herbicides Can Facilitate a Positive Outcome for Invasive and Endangered Species Interactions. *Outlooks on Pest Management*, 25(5), 316-319.

Edwards, R. J., Clark, L. C., Beck, K. G. (2014). Russian olive (*Elaeagnus angustifolia*) Dispersal by European Starlings (*Sturnus vulgaris*). *Invasive Plant Science and Management*, 7(3), 425-431.

(2012). Canada thistle (*Cirsium arvense*) response to clipping and seeding of competitive grasses. *Am J Plant Sci*,

3(9), 1252-1259.

(2010). Tumbling: Use of diffuse knapweed (*Centaurea diffusa*) to examine an understudied dispersal mechanism. *Invasive Plant Science and Management*, 3, 301-309.

Non-Refereed Journal Articles

(2012). Using aminocyclopyrachlor to control Dalmatian toadflax and promote native plant community recovery and diversity. *Proc Wes Soc Weed Sci*, 65, 51-52.

Non-Refereed Proceedings or Transactions

Kessler, K., Beck, K. G., Nissen, S. J., Sebastian, J. R. (2013). PRESCRIBED BURNING AND IMAZAPIC CONTROL ON DOWNY BROME UNDER RANGELAND CONDITIONS. *Proceedings Western Society of Weed Science 2013*. Western Society of Weed Science.

Beck, K. G., Young, D. J., Berry, G. E. (2013). *Weed Wackers: a guide for identifying and managing weeds in schoolyards & landscapes*. Colorado Center for Sustainable Integrated Pest Management.

(2011). *Control of leafy spurge with imazapic and saflufenacil applied in spring* (vol. 64, pp. 18). *Proc Wes Soc Weed Sci*.

(2011). *Feral rye application timing study on Colorado rangeland* (pp. 20-23). *Res Prog Rep Wes Soc Weed Sci*.

(2011). *Five years annual grass efficacy evaluations using rimsulfuron and sulfometuron-methyl plus chlorsulfuron in the Intermountain area* (vol. 64, pp. 20). *Proc Wes Soc Weed Sci*.

(2011). *Native species establishment on Russian knapweed infested rangeland following pre-plant herbicide applications* (vol. 64, pp. 16-17). *Proc Wes Soc Weed Sci*.

(2011). *The effect of application timing on forb tolerance to aminopyralid* (vol. 64, pp. 61-62). *Proc Wes Soc Weed Sci*.

(2011). *Yellow toadflax populations and their response to ALS inhibitors* (vol. 64, pp. 66). *Proc Wes Soc Weed Sci*.

(2010). *Halogeton control and Nuttall's saltbush injury on Colorado rangeland* (pp. 14-15). *Res Prog Rep Wes Soc Weed Sci*.

(2010). *Houndstongue control in Colorado* (pp. 18-19). *Res Prog Rep Wes Soc Weed Sci*.

(2010). *Nuttall's saltbush injury and halogeton control on Colorado rangeland* (pp. 13-Oct). *Res Prog Rep Wes Soc Weed Sci*.

(2010). *Oriental clematis control in Colorado* (pp. 6-May). *Res Prog Rep Wes Soc Weed Sci*.

(2010). *Wild caraway control in a Colorado hay meadow* (pp. 126-129). *Res Prog Rep Wes Soc Weed Sci*.

(2010). *Yellow toadflax control in Colorado* (pp. 30-31). *Res Prog Rep Wes Soc Weed Sci*.

(2010). *Yellow toadflax control in Colorado with aminocyclopyrachlor* (pp. 32-33). *Res Prog Rep Wes Soc Weed Sci*.

Abstract

Sebastian, J. R., Beck, K. G., Nissen, S. J. (2014). African Rue Control of Colorado Native Rangeland. *Proceedings Western Society of Weed Science* (2014th ed., vol. 676, pp. 4-5). Western Society of Weed Science.

Kessler, K., Nissen, S. J., Beck, K. G. (2014). Does Downy Brome Litter Reduce Herbicide Efficacy. *Proceedings Western Society of Weed Science* (2014th ed., vol. 676, pp. 41-42). Western Society of Weed Science.

Beck, K. G., Sebastian, J. R., Sebastian, D. (2014). Spring or Fall Aminopyralid Effects on Native Plant Communities in Northwest Colorado. *Proceedings of the Western Society of Weed Science* (2014th ed., vol. 676, pp. 47). Western Society of Weed Science.

Beck, K. G., Sebastian, J. R. (2014). Variable Reponse of Yellow Toadflax to Herbicides. *Proceedings of the Western Society of Weed Science* (2014th ed., vol. 676, pp. 84). Western Society of Weed Science.

Handbook for school property maintenance personnel for weed ID and control

Beck, K. G., Young, D. J., Berry, G. E. (2013). *Weed Wackers; a guide for identifying and managing weeds in schoolyards and landscapes*. Colorado Center for Sustainable Integrated Pest Management.

Magazine/Trade Publication

Beck, K. G. (2014). New Invasive Threats and An Old Foe. *no* (October, 2014 ed., pp. 28-29). Jerome, ID: Progressive Cattleman.
<http://www.progressivecattle.com/topics/range-pasture/6417-new-invasive-threats-and-an-old-foe>

Proceedings report Western Society of Weed Science

Edwards, R. J., Beck, K. G. (2011). *Control of Russian-olive through cut stump and basal bark herbicide applications* (vol. 64, pp. 70-71). Proc Wes Soc Weed Sci.

Research Report

Sebastian, J. R., Beck, K. G. (2014). Annual glyphosate treatments to control downy brome and promote perennial grass recovery on Colorado rangeland. In Traci Rauch (Ed.), *2014 Research Progress Reports Western Society of Weed Science* (2014th ed., pp. p 6-7). Western Society of Weed Science.

Sebastian, J. R., Beck, K. G. (2014). Feral rye control in Colorado. *2014 Research Progress Reports Western Society of Weed Science* (2014th ed., pp. p 12-13). Western Society of Weed Science.

Sebastian, J. R., Beck, K. G. (2014). Houndstongue control in Colorado. In Traci Rauch (Ed.), *2014 Research Progress Reports Western Society of Weed Science* (2014th ed., pp. p 10-11). Western Society of Weed Science.

Sebastian, J. R., Beck, K. G., Nissen, S. J. (2013). African Rue Control in Colorado from Spot- or Broadcast-Applied Herbicides. *2013 Research Progress Reports Western Society of Weed Science* (2013th ed., pp. 21-23). Western Society of Weed Science.
<http://www.wsweedscience.org/wp-content/uploads/research-report-archive/2013%20WSWS%20RPR.pdf>

Sebastian, J. R., Beck, K. G., Goeman, B., D'Amato, T. (2013). Annual Glyphosate Treatments to Control Downy

Brome and Promote Perennial Grass Recovery on Colorado Rangeland. *2013 Research Progress Reports Western Society of Weed Science* (2013th ed., pp. 1-3). Western Society of Weed Science. <http://www.wsweedscience.org/wp-content/uploads/research-report-archive/2013%20WSWS%20RPR.pdf>

Sebastian, J. R., Beck, K. G., Sebastian, D. (2013). Diffuse Knapweed Control with Aminocyclopyrachlor in Colorado. *2013 Research Progress Reports Western Society of Weed Science* (2013th ed., pp. 17-18). Western Society of Weed Science. <http://www.wsweedscience.org/wp-content/uploads/research-report-archive/2013%20WSWS%20RPR.pdf>

Sebastian, J. R., Beck, K. G., Sebastian, D. (2013). Feral Rye Control in Colorado. *2013 Research Progress Reports Western Society of Weed Science* (2013th ed., pp. 24-25). Western Society of Weed Science. <http://www.wsweedscience.org/wp-content/uploads/research-report-archive/2013%20WSWS%20RPR.pdf>

Sebastian, J. R., Beck, K. G. (2013). Houndstongue Control In Colorado. *2013 Research Progress Reports Western Society of Weed Science* (2013th ed., pp. 13-14). Western Society of Weed Science. <http://www.wsweedscience.org/wp-content/uploads/research-report-archive/2013%20WSWS%20RPR.pdf>

PAPERS PRESENTED/SYMPOSIA/INVITED LECTURES/PROFESSIONAL MEETINGS/WORKSHOPS

March 10, 2015, "Dalmatian Toadflax and Downy Brome Control on Native Colorado Rangeland", 68th Annual Meeting WSWS, Western Society of Weed Science, (Presenter) Sebastian, D. J.

March 11, 2014, "Does Downy Brome Litter Reduce Herbicide Efficacy", Sixty Seventh Meeting of WSWS, Western Society of Weed Science, (Presenter) Kessler, K. C., Colorado Spring, CO, USA.

February 3, 2014, "Controlling Downy Brome on Rangeland with Prescribed Buring and Herbicides", Fifty-Fourth Meeting of the WSSA, Weed Science Society of America, (Presenter) Kessler, K., Vancouver, CA.

January 8, 2013, "A systems approach to managing cheatgrass (*Bromus tectorum*): Learning to identify and manage causes not symptoms", Biology of Weedy and Invasive Species and Controlling Weedy and Invasive Plants Project Directors meeting, USDA AFRI, (Presenter) Brown, C. S., Washington, DC.

2011, "Beck, George, Scott Nissen, and James Sebastian. 2011. Invasive weeds and endangered species interactions: Can herbicides facilitate a positive outcome? Invited presentation, American Chemical Society Annual Fall Conference; August 31, 2011. Denver, CO."

August 29, 2011, "Beck, George, Scott Nissen, and James Sebastian. 2011. Herbicides can be used to decrease invasive weed abundance and promote native plant community recovery and diversity. Invited presentation American Chemical Society Annual Fall Conference; Aug 29, 2011. Denver, CO", American Chemical Society, American Chemical Society, (Presenter) Beck, K. G., Denver, CO.

2010, "Edwards, Ryan, Nicholas Krick, and K. George Beck. 2010. Managing Downy Brome Seed Production and Litter to Exhaust its Soil Seed Reserve. Abstract appears in Proc.

Wes. Soc. Weed Sci.
63:52."

2010, "Edwards, Ryan. Michael T. Edwards, and
K.G.

Beck. 2010. The Effects of
aminocyclopyrachlor
on native and non-native prairie
species. Abstract appears at
[https://srm.conference-
services.net/reports/template/onetextabs
tract.xml?
xsl=template/onetextabstract.xsl&confere
nceID=1756
&abstractID=344919](https://srm.conference-services.net/reports/template/onetextabstract.xml?xsl=template/onetextabstract.xsl&conferenceID=1756&abstractID=344919)".

2010, "Goeman, Bobby, James Sebastian, and K.
George

Beck. 2010. Feral rye control on
Colorado
rangeland. Abstract appears in Proc.
Wes. Soc. Weed Sci.
63:8."

2010, "Halstvedt, Mary B., Daniel C. Cummings,
Travis

Almquist, Luke Samuel, Rodney G. Lym,
K. George
Beck, Roger L. Becker, and Celestine A.
Duncan.

2010. Native forb and shrub tolerance
to
aminopyralid. Abstract appears in
Proc. Wes. Soc. Weed
Sci. 63:45".

2010, "Krick, Nicholas and K.G. Beck. 2010.

Geographically segregated yellow
toadflax
populations and their response to
chlorsulfuron
and imazapyr. Abstract appears in
Proc. Weed Sci. Soc.
Am./Soc.

Range Management.
[https://srm.conference-
services.net/reports/template/onetextabs
tract.xml?
xsl=template/onetextabstract.xsl&confere
nceID=1756
&abstractID=344893](https://srm.conference-services.net/reports/template/onetextabstract.xml?xsl=template/onetextabstract.xsl&conferenceID=1756&abstractID=344893)".

2010, "Vassios, Joseph D., Scott J. Nissen,

James R.
 Sebastian, K. George Beck, and Cameron
 H.
 Douglass. 2010. Aminopyralid and
 aminocyclopyrachlor impacts on grass
 establishment. Abstract appears in
 Proc. Wes. Soc. Weed
 Sci. 63:42."

OTHER ACTIVITIES/ACCOMPLISHMENTS – PUBLICATIONS/SCHOLARLY RECORD

(March 12, 2013 - March 14, 2013). Conference Attendance, "Western Society of Weed Science Annual Conference," Western Society of Weed Science, San Diego, CA, United States. Number of Credit Hours: 0.
 Approximate Number of Hours Spent Per Year: 20.

TEACHING:

<u>Year</u>	<u>Semester</u>	<u>Course No./Title</u>	<u>Cr. Hrs.</u>	<u>Enrollment</u>
2015	Fall	BSPM308 - Ecology and Management of Weeds	3	57
2015	Fall	BSPM308 - Ecology and Management of Weeds - Lab	0	21
2015	Fall	BSPM308 - Ecology and Management of Weeds - Lab	0	19
2015	Fall	BSPM308 - Ecology and Management of Weeds - Lab	0	17
2014	Fall	BSPM308 - Ecology and Management of Weeds	3	65
2014	Fall	BSPM308 - Ecology and Management of Weeds - Lab	0	19
2014	Fall	BSPM308 - Ecology and Management of Weeds - Lab	0	24
2014	Fall	BSPM308 - Ecology and Management of Weeds - Lab	0	22
2013	Fall	BSPM308 - Ecology and Management of Weeds	3	64
2013	Fall	BSPM308 - Ecology and Management of Weeds - Lab	0	22
2013	Fall	BSPM308 - Ecology and Management of Weeds - Lab	0	22
2013	Fall	BSPM308 - Ecology and Management of Weeds - Lab	0	20
2013	Fall	BSPM698 - Research	18	8
2013	Fall	BSPM584 - Supervised College Teaching	3	2
2013	Spring	BSPM698 - Research	18	9
2012	Fall	BSPM308 - Ecology and Management of Weeds	3	71
2012	Fall	BSPM308 - Ecology and Management of Weeds - Lab	0	23
2012	Fall	BSPM308 - Ecology and Management of Weeds - Lab	0	26
2012	Fall	BSPM308 - Ecology and Management of Weeds - Lab	0	22
2012	Fall	BSPM698 - Research	18	7
2012	Fall	BSPM784 - Supervised College Teaching	3	3
2011	Fall	BSPM308 - Ecology and Management of Weeds	3	21
2011	Fall	BSPM308 - Ecology and Management of Weeds	3	22
2011	Fall	BSPM308 - Ecology and Management of Weeds - Lab	0	21
2011	Fall	BSPM308 - Ecology and Management of Weeds - Lab	0	22
2011	Spring	BSPM699 - Thesis	18	4
2010	Fall	BSPM308 - Ecology and Management of Weeds	4	13
2010	Fall	BSPM308 - Ecology and Management of Weeds	4	13
2010	Fall	BSPM308 - Ecology and Management of Weeds - Recitation	0	13
2010	Fall	BSPM308 - Ecology and Management of Weeds - Recitation	0	13
2010	Fall	BSPM308 - Ecology and Management of Weeds-Lab	0	13
2010	Fall	BSPM308 - Ecology and Management of Weeds-Lab	0	13
2010	Fall	BSPM698 - Research	18	18

2010	Fall	BSPM699 - Thesis	18	3
2010	Spring	BSPM698 - Research	18	14
2009	Fall	BSPM698 - Research	18	9
2009	Fall	BSPM798 - Research	18	10
2009	Summer	BSPM798 - Research	18	2
2009	Spring	BSPM698 - Research	18	8
2008	Fall	BSPM698 - Research	18	8
2007	Fall	BSPM699 - Thesis	18	5

Guest Lectures:

<u>Year</u>	<u>Semester</u>	<u>Course No./Title</u>	<u># of Guest Lectures</u>	<u>Delivery Mode</u>
2014	Spring	ECOL478 - Restoration Ecology	1	Face to Face
2013	Spring	BSPM451/551 - Integrated Pest Management/Advanced Integrated Pest Management	1	Face to Face

Evidence of Teaching Effectiveness (Annual Input)

Student Course Surveys

Fall 2013, BSPM 308–Ecology and Management of Weeds
student course surveys lecture

[Course Report BSPM308 Fall 2013-1.PDF](#)

Fall 2013, BSPM 308–Ecology and Management of Weeds
Student course surveys Tuesday lab

[Course Report 1 BSPM308 2013 Lab 1 Tuesday-1.pdf](#)

Fall 2013, BSPM 308–Ecology and Management of Weeds
Student course surveys Wednesday lab

[Course Report 2 BSPM308 2013 Lab 2 Wednesday-1.pdf](#)

Fall 2013, BSPM 308–Ecology and Management of Weeds
student course surveys Friday lab

[Course Report 3 BSPM308 2013 Lab 3 Friday-1.pdf](#)

Written Comments from Students

Fall 2013, BSPM 308–Ecology and Management of Weeds
Written comments from students on lecture

[Beck George BSPM 308 FA13-1.docx](#)

Fall 2013, BSPM 308–Ecology and Management of Weeds
Written comments from students on labs

[Kessler Kallie BSPM 308 L01 02 03 FA13 \(1\)-1.docx](#)

Other Evidence

Fall 2015, BSPM 308–Ecology and Management of Weeds

The only student evaluations that were made available to me were to handfull of written comments from students that took the class. The numerical data apparently are not available and I have no idea as to why.

[BeckBSPM308 written student evals \(3\)-1.pdf](#)

Fall 2015, BSPM 308–Ecology and Management of Weeds - Lab

No student evaluations were available even though they were administered.

Fall 2015, BSPM 308–Ecology and Management of Weeds - Lab

No student evaluations were available even though they were administered.

Fall 2015, BSPM 308–Ecology and Management of Weeds - Lab

No student evaluations were available even though they were administered.

EXTENSION/ENGAGEMENT ACTIVITIES/ACCOMPLISHMENTS

Invasive Plant Management Technical Webinar Series; Pacific Northwest Region of U.S.

Invasive Plant Control with Herbicides. Fort Collins, CO. Number of times program was made: 1. Total number of participants: 45. Percent Responsible: 100%. 2012.

Invasive Plant Management Technical Webinar Series; Intermountain Region

Invasive Weed Control with Herbicides. Fort Collins, CO. Number of times program was made: 1. Total number of participants: 42. Percent Responsible: 100%. 2012.

Invsive Plant Management Technical Webinar Series; Greater Southwest

Invasive Plant Control with Herbicides. Fort Collins, CO. Number of times program was made: 1. Total number of participants: 34. Percent Responsible: 100%. 2012.

Presentation

Yellow toadflax, oxeye daisy, purple loosestrife biology, ecology and management. Adult, Castle Rock, CO. Number of times program was made: 1. Total number of participants: 55. Percent Responsible: 100%. 1st Quarter 2015.

Herbicide Characteristics. Adult, Ft Collins, CO. Number of times program was made: 1. Total number of participants: 105. Percent Responsible: 100%. 2nd Quarter 2015.

Biology, Ecology and Management of Key Invasive Weeds in Elbert County. Adult, Kiowa, CO. Number of times program was made: 1. Total number of participants: 40. Percent Responsible: 100%. 3rd Quarter 2015.

Dalmatian toadflax; a problem in northern Weld County; biology, ecology, and management. Adult, Nunn, CO. Number of times program was made: 1. Total number of participants: 30. Percent Responsible: 100%. 3rd Quarter 2015.

Rights-of-way Weed Management. Adult, Loveland, CO. Number of times program was made: 1. Total number of participants: 35. Percent Responsible: 100%. 4th Quarter 2015.

Invasive Species: Its Time to Take Action. Adult, Ely, NV. Number of times program was made: 1. Total number of participants: 40. Percent Responsible: 100%. 1st Quarter 2014.

Using Herbicides to Promote Native Forb and Shrub Diversity. Adult, Ely, NV. Number of times program was made: 1. Total number of participants: 40. Percent Responsible: 100%. 1st Quarter 2014.

Cheatgrass management and site reclamation. Adult, Fort Collins, CO. Number of times program was made: 1. Total number of participants: 150. Percent Responsible: 100%. 2nd Quarter 2014.

Invasive species ... how did we get to where we are today? Adult, La Junta, CO. Number of times program was made: 1. Total number of participants: 56. Percent Responsible: 100%. 2nd Quarter 2014.

Results of cheatgrass management and site reclamation studies. Adult, Parachute, CO. Number of times program was made: 1. Total number of participants: 12. Percent Responsible: 100%. 2nd Quarter 2014.

Using Mowing or Grazing to Manage Noxious Weeds. Adult, Castle Rock, CO. Number of times program was made: 1. Total number of participants: 45. Percent Responsible: 100%. 2nd Quarter 2014.

Yellow Toadflax, Dalmatian Toadflax, and Scotch Thistle Management. Adult, Castle Rock, CO. Number of times program was made: 1. Total number of participants: 45. Percent Responsible: 100%. 2nd Quarter 2014.

Salt cedar and Russian olive biology and management. Adult, Farmington, NM. Number of times program was made: 1. Total number of participants: 63. Percent Responsible: 100%. 3rd Quarter 2014.

Successional weed management. Adult, Farmington, NM. Number of times program was made: 1. Total number of participants: 63. Percent Responsible: 100%. 3rd Quarter 2014.

The knapweed complex. Adult, Farmington, NM. Number of times program was made: 1. Total number of participants: 63. Percent Responsible: 100%. 3rd Quarter 2014.

Land disturbance and weeds. Adult, Fort Collins, CO. Number of times program was made: 1. Total number of participants: 102. Percent Responsible: 100%. 4th Quarter 2014.

Native shrub, forb, and grass response to aminopyralid and other rangeland herbicides. Adult, Albuquerque, NM. Number of times program was made: 1. Total number of participants: 130. Percent Responsible: 100%. 4th Quarter 2014.

Roadside weed management. Adult, Colorado Springs, CO. Number of times program was made: 1. Total number of participants: 42. Percent Responsible: 100%. 4th Quarter 2014.

Variable response of yellow toadflax to herbicides. Adult, Albuquerque, NM. Number of times program was made: 1. Total number of participants: 130. Percent Responsible: 100%. 4th Quarter 2014.

Cheatgrass Management and Site Reclamation. Albuquerque, NM. Number of times program was made: 1. Total number of participants: 150. Percent Responsible: 100%. 2012.

Economic Impacts Caused by Noxious Weeds in Colorado. Colorado Springs, CO. Number of times program was made: 1. Total number of participants: 45. Percent Responsible: 50%. 2012.

Healthy Habitats Coalition Activities and Review of CSU Aminocyclopyrachlor Research. Castle Rock, CO. Number of times program was made: 1. Total number of participants: 10. Percent Responsible: 100%. 2012.

Invasive Species - It's Time for Action. Boise, ID. Number of times program was made: 1. Total number of participants: 151. Percent Responsible: 100%. 2012.

Managing Cheatgrass to Reclaim Wildlife Habitat. Fort Collins, CO. Number of times program was made: 1. Total number of participants: 150. Percent Responsible: 100%. 2012.

Native Forb and Shrub Response to Aminocyclopyrachlor. Albuquerque, NM. Number of times program was made: 1. Total number of participants: 150. Percent Responsible: 100%. 2012.

Native Forb and Shrub Response to Aminocyclopyrachlor. Colorado Springs, CO. Number of times program was made: 1. Total number of participants: 128. Percent Responsible: 100%. 2012.

Native Forb and Shrub Sensitivity to Herbicides. Thornton, CO. Number of times program was made: 1. Total number of participants: 52. Percent Responsible: 100%. 2012.

Review of CSU Aminocyclopyrachlor Research. Fort Collins, CO. Number of times program was made: 1. Total number of participants: 150. Percent Responsible: 100%. 2012.

Review of CSU Aminocyclopyrachlor Research. Thornton, CO. Number of times program was made: 1. Total number of participants: 85. Percent Responsible: 100%. 2012.

Using Herbicides to Promote Native Plant Communities. Loveland, CO. Number of times program was made: 1. Total number of participants: 75. Percent Responsible: 100%. 2012.

Using Herbicides to Promote Native Forb and Shrub Diversity. Boise, ID. Number of times program was made: 1. Total number of participants: 151. Percent Responsible: 100%. 2012.

Testified at the Western Caucus Briefing on the sage-grouse issue

Invasive species impacts on the Greater Sage-grouse. Adult, Washington, DC. Number of times program was made: 1. Total number of participants: 30. Percent Responsible: 100%. 2nd Quarter 2014.

Testified at an oversight hearing before the House of Representative Committee on Natural Resources/Subcommittee on Public Lands and Environmental Regulation

Healthy Habitats Coalition Federal Invasive Species Funding Refocus Rationale and Reasoning. Washington, DC, DC. Number of times program was made: 1. Total number of participants: 10. Percent Responsible: 100%. 2012.

Testified at the Bill Hearing for H.R.3994 (The Federal Lands Invasive Species Control, Prevention, and Management Act) before the House Natural Resources Committee, Subcommittee on Public Lands and Environmental Regulations

H.R.3994; A Paradigm Shift for Invasive Species Management. Adult, Washington, DC. Number of times program was made: 1. Total number of participants: 20. Percent Responsible: 100%. 3rd Quarter 2014.

Testimony before Congress; House Committee on Oversight and Government Reform

Effective and Efficient Invasive Species Management is Needed in the U.S. Adult, Washington DC. Number of times program was made: 1. Total number of participants: 25. Percent Responsible: 100%. 4th Quarter 2015.

Workshop

Native Plant Masters; Introduction to invasive weeds. Adult, Golden, CO. Number of times program was made: 1. Total number of participants: 25. Percent Responsible: 100%. 1st Quarter 2015.

Native Plant Masters; Invasive Weed Mgmt workshop on herbicides. Adult, Golden, CO. Number of times program was made: 1. Total number of participants: 23. Percent Responsible: 100%. 1st Quarter 2015.

Weeds 101 - Akron. Adult, Akron, CO. Number of times program was made: 1. Total number of participants: 45. Percent Responsible: 100%. 1st Quarter 2015.

Disturbance and Land Recovery. Adult, Loveland, CO. Number of times program was made: 1. Total number of participants: 21. Percent Responsible: 100%. 2nd Quarter 2015.

Invasive Weed State and Federal Public Policy. Adult, Loveland, CO. Number of times program was made: 1. Total number of participants: 21. Percent Responsible: 100%. 2nd Quarter 2015.

Key weeds of the west - biology, ecology, and management. Adult, Loveland, CO. Number of times program was made: 1. Total number of participants: 21. Percent Responsible: 50%. 2nd Quarter 2015.

Live weed identification - hands on experience. Adult, Loveland, CO. Number of times program was made: 2. Total number of participants: 21. Percent Responsible: 50%. 2nd Quarter 2015.

Weeds 101 - Brighton. Adult, Brighton, CO. Number of times program was made: 1. Total number of participants: 60. Percent Responsible: 100%. 2nd Quarter 2015.

Weeds 101 - Canon City. Adult, Canon City, CO. Number of times program was made: 1. Total number of participants: 30. Percent Responsible: 100%. 2nd Quarter 2015.

Weeds 101 - Glenwood Springs. Adult, Glenwood Springs, CO. Number of times program was made: 1.

Total number of participants: 29. Percent Responsible: 100%. 2nd Quarter 2015.

Weeds 101 - Montrose. Adult, Montrose, CO. Number of times program was made: 1. Total number of participants: 28. Percent Responsible: 100%. 2nd Quarter 2015.

Salt Cedar and Russian olive biology, ecology, and management. Adult, Farmington, NM. Number of times program was made: 1. Total number of participants: 80. Percent Responsible: 100%. 3rd Quarter 2015.

Successional Weed Management. Adult, Farmington, NM. Number of times program was made: 1. Total number of participants: 80. Percent Responsible: 100%. 3rd Quarter 2015.

The Knapweed Complex. Adult, Farmington, NM. Number of times program was made: 1. Total number of participants: 80. Percent Responsible: 100%. 3rd Quarter 2015.

Industrial and Roadside Weed Management. Adult, Denver, CO. Number of times program was made: 1. Total number of participants: 30. Percent Responsible: 100%. 4th Quarter 2015.

Exploring Herbicides for Invasive Weed Management. Adult, Golden, CO. Number of times program was made: 1. Total number of participants: 31. Percent Responsible: 100%. 2nd Quarter 2014.

Weeds 101. Adult, DelCamino, CO. Number of times program was made: 1. Total number of participants: 54. Percent Responsible: 100%. 2nd Quarter 2014.

Weeds 101. Adult, Colorado Springs. Number of times program was made: 1. Total number of participants: 55. Percent Responsible: 100%. 2nd Quarter 2014.

Weeds 101. Adult, Montrose, CO. Number of times program was made: 1. Total number of participants: 41. Percent Responsible: 100%. 2nd Quarter 2014.

CDot Right of Way Sprayer Short Course. Adult, Montrose, CO. Number of times program was made: 1. Total number of participants: 24. Percent Responsible: 30%. 3rd Quarter 2014.

Weeds 101 workshop and field tour. Adult, Trinidad, CO. Number of times program was made: 1. Total number of participants: 25. Percent Responsible: 100%. 3rd Quarter 2014.

Advanced Invasive Weed Management. Golden, CO. Number of times program was made: 1. Total number of participants: 33. Percent Responsible: 100%. 2012.

Introduction to Invasive Weeds and Their Management. Golden, CO. Number of times program was made: 1. Total number of participants: 35. Percent Responsible: 100%. 2012.

North American Invasive Species Short Course. North Platte, NE. Number of times program was made: 1. Total number of participants: 25. Percent Responsible: 15%. 2012.

Weed Management for CDOT. Montrose, CO. Number of times program was made: 1. Total number of participants: 25. Percent Responsible: 33%. 2012.

Weeds 101. Colorado Springs, CO. Number of times program was made: 1. Total number of participants: 45. Percent Responsible: 100%. 2012.

Weeds 101. Brighton, CO. Number of times program was made: 1. Total number of participants: 101. Percent Responsible: 100%. 2012.

Weeds 101. Grand Junction, CO. Number of times program was made: 1. Total number of participants: 66. Percent Responsible: 100%. 2012.

Western Invasive Weed Short Course. Loveland, CO. Number of times program was made: 1. Total number of participants: 40. Percent Responsible: 25%. 2012.

COMMITTEES

(2011).

(2011).

(2011).

(2010).

(2011).

(2011).

(2011).

(2010).

Education Committee, (January 1, 2010 - December 31, 2013).

Herbicide resistant weeds faculty search committee, (September 1, 2013 - November 1, 2013).

(2011).

(2011).

(2011).

(2010).

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

Colorado Weed Management Association. (January 1, 2015 - January 1, 2016).

International Weed Science Society. (January 1, 2015 - January 1, 2016).

Society for Range Management. (January 1, 2015 - January 1, 2016).

Weed Science Society of America. (January 1, 2015 - January 1, 2016).

Western Society of Weed Science. (January 1, 2015 - January 1, 2016).

American Association for the Advancement of Science. (January 1, 2014 - January 1, 2015).

American Association for the Advancement of Science. (January 1, 2013 - January 1, 2014).

Colorado Weed Management Association. (January 1, 2013 - January 1, 2014).

Internataional Weed Science Society. (January 1, 2013 - January 1, 2014).

Society for Range Management. (January 1, 2013 - January 1, 2014).

Weed Science Society of America. (January 1, 2013 - January 1, 2014).

Western Society of Weed Science. (January 1, 2013 - January 1, 2014).

Colorado Weed Management Association. (2012).

International Weed Science Society. (2012).

Society for Range Management. (2012).

Weed Science Society of America. (2012).

Western Society of Weed Science. (2012).

American Association for the Advancement of Science. (2010).

Colorado Weed Management Association. (2010).

International Weed Science Society. (2010).

North American Weed Management Association. (2010).

Society for Range Management. (2010).

State Noxious Weed Coordinator Search Committee for Colorado Dept of Ag. (2010).

Weed Science Society of America. (2010).

Western Society of Weed Science. (2010).

Reviewer, Journal Article, Rangeland Ecology and Management, Denver, CO. (November 2015).

Reviewer, Journal Article, Invasive Plant Science and Management, Davis, CA. (March 18, 2014).

Reviewer, Journal Article, Invasive Plant Science and Management. (November 1, 2013 - January 1, 2014).

Editor, Book, UC-Davis. (2012).

Invasive Plant Science and Management. (2011).

Reviewer, Journal Article, Invasive Plant Science and Management. (2010).

South Dakota State University. (2010).

Member, State Noxious Weed Coordinator Search Committee for Colorado Dept of Ag. (2010).

Steering Committee member of the Healthy Habitats Coalition. Our Champion States Initiative/5 Asks. were adopted by the Western Governors Association as Resolution 10-4, which was embraced by NGA, the Western Association of State Depts of Ag, & the National Association of the State Depts of Ag. We planned an invasive species advocacy week to occur the week of March 14, 2011 in Washington, DC. (2010).

OTHER ACTIVITIES/ACCOMPLISHMENTS – SERVICE/OUTREACH

For Profit Organization, American Spice Trade Association, Washington DC, Washington DC, United States. (June 2012 - Present).

Review packet Dr Corey Ransom promotion and tenure, Utah State University. (2011).

Board of Directors of a Company, Colorado Weed Management Association. (2010).

Review of biocontrol program, USDA-ARS NP304. (2010).

Committee Member, Colorado Noxious Weed Advisory Committee for Colorado Dept of Agriculture, Denver, CO. (January 1, 2014 - December 31, 2016).

Chairperson, Healthy Habitats Coalition, Boise, ID. (January 1, 2014 - December 31, 2016).

Grant Proposal Reviewer, External, Colorado Department of Agriculture, Denver, CO. (January 15, 2015 - March 1, 2015).

Grant Proposal Reviewer, External, Colorado Department of Agriculture, Denver, CO. (January 15, 2014 - March 7, 2014).

Committee Member, Noxious Weed Advisory Committee for Colorado Dept of Agriculture. (January 1, 2012 - December 31, 2013).

Chairperson, Healthy Habitats Coalition. (January 1, 2010 - December 31, 2013).

Weld County Noxious Weed Advisory Board. (2010).
