

Montana Department of Agriculture Noxious Weed Program

Current Noxious Weed Trust Fund Projects

Please select a county from the list below:

Beaverhead	Lake	Powell
Broadwater	Lewis & Clark	Ravalli
Carbon	Liberty	Rocky Boy Reservation
Cascade	Lincoln	Rosebud
Custer	Madison	Salish Kootenai College
Daniels	Meagher	Sanders
Fallon	Missoula	Stillwater
Fergus	MT Department of Agriculture	Sweetgrass
Flathead	Montana State University	Teton
Flathead Reservation	Montana Weed Control Association	University of Montana
Gallatin	Musselshell	Wheatland
Granite	Park	Yellowstone
Jefferson		

BEAVERHEAD COUNTY

Beaverhead River Weed Project – Grant amount awarded: \$30,000 ♦ Contact person: Jack Eddie 406-683-3790

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area.

The scope of work will control 225 acres of spotted knapweed, Canada thistle, leafy spurge, whitetop, and houndstongue with herbicides and biological control agents. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

Yellow Starthistle Eradication Program – Grant amount awarded: \$5,000 ♦ Contact person: Jack Eddie 406-683-3790

The purpose of this project is to monitor the yellow starthistle site in Beaverhead County and eradicate any yellow starthistle plants.

The scope of work will hire a contractor to visit the yellow starthistle site in May and June and then again in September and October to survey the project area for any new plants. The cooperators will also visit the site twice a month from May to October.

MT Dyer's Woad Cooperative – Grant amount awarded: \$19,036 ♦ Contact person: Amber Burch 406-683-3790

The purpose of this project is to continue the Montana Dyer's Woad Task Force in preventing Dyer's Woad from spreading across Montana.

The scope of work will continue to monitor, map, document, and control all known sites of Dyer's Woad in Montana. All known methods will be utilized to stop the seed production and eradicate the plant. The Task Force will continue to document all activities in the historical file for future reference. Education will consist of ongoing outreach to landowners for prevention and identification of Dyer's Woad. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

Wise River / Big Hole River Oxeye Daisy Management & Restoration – Grant amount awarded: \$35,508 ♦ Contact person: Jeanne Caddy 406-267-3354

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area.

The scope of work will control 379 acres of spotted knapweed, Canada thistle, leafy spurge, common tansy, hoary alyssum, ox-eye daisy, and houndstongue with herbicides and hand pulling. There will also be five test sites on ox-eye daisy along with re-seeding trials. Education will consist of ongoing outreach to landowners for

prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

TOP

BROADWATER COUNTY

Lone Mountain Cooperative Grant Project – Grant amount awarded: \$14,514 ♦

Contact person: Pam Converse 406-266-9243

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area in Broadwater County.

The scope of work will control 496 acres of spotted knapweed, Canada thistle, whitetop, leafy spurge, Dalmatian toadflax, sulfur cinquefoil, houndstongue, and musk thistle with herbicides and biological control agents. There will also be 166 acres re-seeded with Bozoisky Wildrye and Slender Wheatgrass. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

North Elkhorn Cooperative Grant 2 – Grant amount awarded: \$8,012 ♦ Contact person: Pam Converse 406-266-9243

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area in Broadwater County.

The scope of work will control 400 acres of spotted knapweed, Canada thistle, whitetop, leafy spurge, Dalmatian toadflax, sulfur cinquefoil, houndstongue, and musk thistle with herbicides and biological control agents. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

TOP

CARBON COUNTY

West Bench Noxious Weed Program – Grant amount awarded: \$28,168 ♦ Contact person: Pam Schwend 406-962-4358

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area.

The scope of work will use herbicides to control 1,903 acres of spotted knapweed, Canada thistle, leafy spurge, hoary alyssum, sulfur cinquefoil, ox-eye daisy, and houndstongue. Education will consist of ongoing outreach to landowners for prevention

and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation and water.

East Bench Noxious Weed Program – Grant amount awarded: \$42,418 ♦ Contact person: Pam Schwend 406-962-4358

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area.

The scope of work will use biocontrol and herbicides to control 2,218 acres of spotted knapweed, Canada thistle, Dalmatian toadflax, hoary alyssum, ox-eye daisy, houndstongue, and absinth wormwood. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation and water.

TOP

CASCADE COUNTY

Hound Creek Weed Management Area – Grant amount awarded: \$45,000 ♦ Contact person: Eric Hanson 406-454-6920

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area.

The scope of work will control 2,107 acres of spotted knapweed, Canada thistle, whitetop, leafy spurge, Dalmatian toadflax, yellow toadflax, and houndstongue with herbicides and biological control agents. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

Smith River Cooperative Weed Management Area – Grant amount awarded: \$17,418 ♦ Contact person: Sherry Meador 406-431-7638

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area.

The scope of work will control 770 acres of spotted knapweed, Canada thistle, whitetop, leafy spurge, and houndstongue with herbicides, biological control agents, and hand-pulling. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

CUSTER COUNTY

Power River Leafy Spurge Project – Grant amount awarded: \$14,593 ♦ Contact person: Aaron Kneeland 406-874-3370

The purpose of this project is to integrate targeted sheep grazing, herbicides and biocontrol to manage leafy spurge infestations along the Yellowstone and Powder Rivers in Prairie and Custer Counties.

The scope of work will use herbicides to control 1,040 acres of leafy spurge, Russian knapweed and Canada thistle. Targeted grazing in combination with biocontrol will be used to manage 3,000 acres of leafy spurge. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas. All grazing projects are required to consult with the Montana Fish, Wildlife and Parks Department (FWP) prior to project implementation due to possible conflict between sheep/goat grazing in areas associated with bighorn sheep or predators (i.e. grizzly bears and wolves). Special preventative action and caution must be taken with grazing projects. If bighorn sheep, grizzly bears, or wolves are observed in or near your grazing project area, FWP must be notified immediately.

TOP

DANIELS COUNTY

Daniels County Rangeland Noxious Weed Control – Grant amount awarded: \$12,250 ♦ Contact person: Nicole Winkler 406-487-2861

The purpose of this project is to control noxious weed infestations on rangeland in Daniels County and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area.

The scope of work will use herbicides to control 820 acres of spotted knapweed, Canada thistle, field bindweed, leafy spurge, and baby's breath. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

TOP

FALLON COUNTY

Montana Badlands Project – Grant amount awarded: \$3,980 ♦ Contact person: Dale Butori 406-778-7110

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area.

The scope of work will use herbicides to control 310 acres of Canada thistle and leafy spurge. Education will consist of place identification advertisements in local newspapers along with one-on-one landowner education. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

TOP

FERGUS COUNTY

East Lewistown Cost Share Project – Grant amount awarded: \$15,000 ♦ Contact person: Jim Sparks 406-535-3970

The purpose of this project is to control, eliminate, and stop the spread of spotted knapweed, Canada thistle, whitetop, and leafy spurge, along with educating and providing the tools necessary to help landowners control noxious weeds in the project area.

The scope of work will control 1,350 acres of spotted knapweed, Canada thistle, whitetop, and leafy spurge with herbicides. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

Fords Creek Whitetop – Grant amount awarded: \$8,000 ♦ Contact person: Jim Sparks 406-535-3970

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area.

The scope of work will use herbicides to control and manage 764 acres of whitetop. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

South Grass Range Project – Grant amount awarded: \$40,000 ♦ Contact person: Jim Sparks 406-535-3970

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area.

The scope of work will use herbicides to control 1,379 acres of spotted knapweed and Canada thistle in the South Grass Range grant project area. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

TOP

FLATHEAD COUNTY

Cooperative Tansy Ragwort Project in Flathead County – Grant amount awarded: \$4,715 ♦ Contact person: Tris Hoffman 406-758-3510

The purpose of this project is to continue with the control and containment goals of the Tansy Ragwort Weed Management Plan in Flathead County. Landowners will be provided with education and the tools necessary to help control noxious weeds in the project area.

The scope of work will continue treating tansy ragwort on travel vectors, giving priority to high use roads and trails. The project sponsor will also continue monitoring existing cinnabar moth larvae for success and redistribute into high density tansy ragwort and will establish viable flea beetle populations. There will be a public awareness campaign using newspaper ads and signs in infested areas. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

TOP

FLATHEAD RESERVATION

Ravalli Hill WMA – Grant amount awarded: \$15,276 ♦ Contact person: Doug Dupuis 406-675-2700

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area.

The scope of work will control 873 acres of spotted knapweed, whitetop, Dalmatian toadflax, St. Johnswort, and sulfur cinquefoil with herbicides and biological control agents. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

Lamoose Invasive Plant Management Area – Grant amount awarded: \$6,380

♦ Contact person: Doug Dupuis 406-675-2700

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area.

The scope of work will control 440 acres of spotted knapweed, Dalmatian toadflax, and hoary alyssum with herbicides and biological control agents. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

Oliver Point Sheep Project – Grant amount awarded: \$4,000 ♦ Contact person: Doug Dupuis 406-675-2700

The purpose of this project is to graze 600 head of sheep on 4,000 acres to control noxious weeds in the project area.

The scope of work will graze sheep on leafy spurge along with herbicide and biological control agents. The acres will be covered at least twice during the growing season with the herds. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas. All grazing projects are required to consult with the Montana Fish, Wildlife and Parks Department (FWP) prior to project implementation due to possible conflict between sheep/goat grazing in areas associated with bighorn sheep or predators (i.e. grizzly bears and wolves). Special preventative action and caution must be taken with grazing projects. If bighorn sheep, grizzly bears, or wolves are observed in or near your grazing project area, FWP must be notified immediately.

Nicholson Invasive Plant Management Area – Grant amount awarded: \$12,840

◆ Contact person: Doug Dupuis 406-675-2700

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area.

The scope of work will control 820 acres of spotted knapweed, Dalmatian toadflax, and hoary alyssum with herbicides and biological control agents. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

McDonald Basin Invasive Plant Management Area – Grant amount awarded:

\$13,773 ◆ Contact person: Doug Dupuis 406-675-2700

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area.

The scope of work will control 968 acres of spotted knapweed, Dalmatian toadflax, and hoary alyssum with herbicides and biological control agents. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

TOP

GALLATIN COUNTY

Rocky Creek WMA – Grant amount awarded: \$11,848 ◆ Contact person: John Ansley 406-582-3265

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area.

The scope of work will use herbicide and biocontrol to control and manage 280 acres of spotted knapweed, Canada thistle, field bindweed, whitetop, leafy spurge, yellow toadflax, hoary alyssum, St. Johnswort, sulfur cinquefoil, common tansy, ox-eye daisy, houndstongue, musk thistle, field scabious, cheatgrass, and poison hemlock. Care must be taken to avoid damage to non-target vegetation, riparian areas and water.

Hebgen Basin WMA – Grant amount awarded: \$32,219 ♦ Contact person: John Ansley 406-582-3265

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area.

The scope of work will directly assist private landowners in managing the spread of noxious weeds within the project area through a combination of education (seminars & individual site visits), advertising, development of weed management plans, and cost share. The project will use herbicides and insects to control 662 acres of spotted knapweed, Canada thistle, leafy spurge, Dalmatian toadflax, yellow toadflax, hoary alyssum, sulfur cinquefoil, common tansy, ox-eye daisy, houndstongue, musk thistle, scentless chamomile, field scabious, and cheatgrass. Care must be taken to avoid damage to non-target vegetation and water.

Gallatin River Corridor Noxious Weed Project – Grant amount awarded: \$0
♦ Contact person: Mike Jones 406-578-2139

TOP

GRANITE COUNTY

Marshall Creek Weed District Grant – Grant amount awarded: \$14,755 ♦ Contact person: Dan Lucas 406-859-3304

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area in Granite County.

The scope of work will control 1,190 acres of spotted knapweed, common tansy, and houndstongue with herbicides. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

Ross Fork Weed District Grant – Grant amount awarded: \$33,713 ♦ Contact person: Dan Lucas 406-859-3304

The purpose of this project is to continue to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area in Granite County.

The scope of work will control 2,560 acres of spotted knapweed, Dalmatian toadflax, and houndstongue with herbicides. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

Little Bear Weed District Grant – Grant amount awarded: \$30,000 ♦ Contact person: Dan Lucas 406-859-3304

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area in Granite County.

The scope of work will control 2,355 acres of spotted knapweed, Canada thistle, leafy spurge, Dalmatian toadflax, common tansy, and houndstongue with herbicides. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

TOP

JEFFERSON COUNTY

Lower Boulder River Valley Extension – Grant amount awarded: \$18,429 ♦ Contact person: Sam Little 406-225-4165

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area in Jefferson County.

The scope of work will control 605 acres of spotted knapweed, Canada thistle, leafy spurge, and Dalmatian toadflax with herbicides and biological control agents. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

Jefferson Canal Weed Management Area – Grant amount awarded: \$8,931

♦ Contact person: Stephanie Blasenak 406-287-3282

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area in Jefferson County.

The scope of work will control 124 acres of spotted knapweed, Russian knapweed, Canada thistle, field bindweed, whitetop, leafy spurge, common tansy, and houndstongue with herbicides and biological control agents. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

I-90 Cypho – Grant amount awarded: \$8,131 ♦ Contact person: Todd Breitenfeldt 406-498-5236

The purpose of this project is to make I-90 a major “weevil corridor” and raise travelers’ awareness of the noxious weed problem in Montana.

The scope of work will collect and release *Cyphocleonus achates* on 200-400 sites along 335 miles of the I-90 corridor that starts at the Idaho border to Livingston, Montana. All biocontrol sites will be marked with a GPS, a photo will be taken, and a map will be created of the release sites along the interstate corridor. An educational brochure will be produced cooperatively by the Montana Department of Transportation and the Whitehall Project. This brochure will be placed for travelers to take at rest areas along the I-90 project corridor.

Whitehall Biological Weed Control Project – Grant amount awarded: \$8,600

◆ Contact person: Todd Breitenfeldt 406-498-5236

The purpose of this project is to mass rear biocontrol agents for spotted knapweed for distribution, map weeds and biocontrol release sites, and educate landowners about noxious weeds.

The scope of work will hire two part time teachers, one full time student, and one part time student to work on mass rearing biocontrol agents for spotted knapweed for distribution along with mapping the biocontrol release sites and noxious weeds for Madison and Jefferson Counties. Education will consist of ongoing outreach local landowners about integrated weed management through personal contacts and educational materials.

TOP

LAKE COUNTY

Purple Loosestrife Management Project – Grant amount awarded: \$9,350 ◆ Contact person: Tom Benson 406-883-7330

The purpose of this project is to control the spread of purple loosestrife in Lake County along with educating and providing the tools necessary to help landowners control noxious weeds in the project area.

The scope of work will control all known infestations of purple loosestrife with herbicides. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

Lake County Yellow Flag Iris Control – Grant amount awarded: \$34,980 ◆ Contact person: Tom Benson 406-883-7330

The purpose of this project is to control the spread of yellow flag iris in Lake County along with educating and providing the tools necessary to help landowners control noxious weeds in the project area.

The scope of work will control 318 acres of yellow flag iris with herbicides and educate landowners and interested parties on integrated weed management techniques. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

TOP

LEWIS AND CLARK COUNTY

Upper Sun River Watershed WMA – Grant amount awarded: \$7,583 ♦ Contact person: Alan Rollo 406-727-4437

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area within the watershed.

The scope of work will control 435 acres of spotted knapweed, Russian knapweed, Canada thistle, field bindweed, whitetop, leafy spurge, and Dalmatian toadflax with herbicides, biological control agents, and hand pulling. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

Lincoln Valley Snowmobile Trails – Grant amount awarded: \$2,307 ♦ Contact person: Larry Hoffman 406-447-8346

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area in Lewis & Clark County.

The scope of work will control 414 acres of Canada thistle, spotted knapweed, leafy spurge, Dalmatian toadflax, yellow toadflax, houndstongue, and common tansy with herbicides. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

Open Space Post Fuel Treatment Weed Mitigation II – Grant amount awarded: \$10,051 ♦ Contact person: Greta Dige 406-447-8458

The purpose of this project is to continue treating areas for noxious weeds after fuel reduction activities have been completed to allow for native grass establishment and better wildlife habitat.

The scope of work will control 478 acres of spotted knapweed, diffuse knapweed, Russian knapweed, whitetop, leafy spurge, Canada thistle, Dalmatian toadflax, yellow toadflax, and houndstongue with herbicides and biological control agents. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds.

Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

Silver Creek Ranchette – Grant amount awarded: \$4,000 ♦ Contact person: Larry Hoffman 406-447-8346

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area in Lewis & Clark County.

The scope of work will control 149 acres of spotted knapweed, diffuse knapweed, Russian knapweed, whitetop, leafy spurge, Canada thistle, Dalmatian toadflax, yellow toadflax, and field bindweed with herbicides and biological control agents. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

Spokane Hills Grazing Project, Phase 4 – Grant amount awarded: \$0 ♦ Contact person: Larry Hoffman 406-447-8346

Treatment Awareness Areas – Grant amount awarded: \$0 ♦ Contact person: Larry Hoffman 406-447-8346

TOP

LIBERTY COUNTY

Marias Valley Weed Control Project 2010 – Grant amount awarded: \$29,540 ♦ Contact person: Jim Ghekiere 406-759-5673

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area.

The scope of work will control 1,510 acres of spotted knapweed, Russian knapweed, Canada thistle, leafy spurge, and perennial pepperweed with herbicides, biological control agents, and grazing. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

Sweet Grass Hills Weed Management Project 2010 – Grant amount awarded: \$22,500 ♦ Contact person: Jim Ghekiere 406-759-5673

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area.

The scope of work will control 1,000 acres of spotted knapweed and leafy spurge with herbicides, biological control agents, and grazing. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas. All grazing projects are required to consult with the Montana Fish, Wildlife and Parks Department (FWP) prior to project implementation due to possible conflict between sheep/goat grazing in areas associated with bighorn sheep or predators (i.e. grizzly bears and wolves). Special preventative action and caution must be taken with grazing projects. If

bighorn sheep, grizzly bears, or wolves are observed in or near your grazing project area, FWP must be notified immediately.

TOP

LINCOLN COUNTY

MT Hawkweed Cooperative – Grant amount awarded: \$40,000 ♦ Contact person: Dan Williams 406-293-7781 ext. 260

The purpose of this project is to contain, control, and stop the spread of invasive hawkweeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area.

The scope of work will control 1,000 acres of orange hawkweed and meadow hawkweed with herbicides within the seven counties in northwest Montana. A two-person spray crew and coordinator will be hired to treat the hawkweed. Education will consist of ongoing outreach to increase the awareness about invasive hawkweeds in Montana. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

Lincoln Co. Cooperative Rush Skeletonweed Management – Grant amount awarded: \$18,000 ♦ Contact person: Dan Williams 406-293-7781 ext. 260

The purpose of this project is to continue the containment and eradication program on rush skeletonweed in Lincoln County as part of the statewide rush skeletonweed initiative along with educating and providing the tools necessary to help landowners control noxious weeds in the project area.

The scope of work will contain and control all known infestations of rush skeletonweed on approximately 202 acres in the project area. One person for Lincoln County and one person for the US Forest Service will be hired to survey for rush skeletonweed locations. All workers will be trained on how to identify, mark, and GPS rush skeletonweed plants and new sites. Education will consist of place identification advertisements in local newspapers along with one-on-one landowner education. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

Lincoln County High School Biological Control Project – Grant amount awarded: \$9,700 ♦ Contact person: Dan Williams 406-293-7781 ext. 260

The purpose of this project is to mass rear biological control agents for spotted knapweed in an insectary at the Eureka school for distribution.

The scope of work will mass rear *Cyphocleonus achates* for spotted knapweed for distribution. Students will map and monitor biocontrol release sites for Lincoln County along with educating local landowners about integrated weed management through personal contacts and educational brochures.

2010/2011 Government Lincoln Co. Cooperative Tansy Ragwort Management – Grant amount awarded: \$20,150 ♦ Contact person: Dan Williams 406-293-7781 ext. 260

The purpose of this project is to continue with the control and containment goals of the Tansy Ragwort Weed Management Plan in Lincoln County. Landowners will be provided with the tools necessary to help control noxious weeds in the project area.

The scope of work will continue treating tansy ragwort on travel vectors and will monitor existing cinnabar moth larvae for success. Biocontrol agents will be redistributed into high density tansy ragwort populations. The project will continue its public awareness campaign by using newspaper ads and signs in infested areas. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

2010/2011 Private Lincoln Co. Cooperative Tansy Ragwort Management – Grant amount awarded: \$40,000 ♦ Contact person: Dan Williams 406-293-7781 ext. 260

The purpose of this project is to continue with the control and containment goals of the Tansy Ragwort Weed Management Plan in Lincoln County. Landowners will be provided with education and the tools necessary to help control noxious weeds in the project area.

The scope of work will continue treating tansy ragwort on travel vectors, giving priority to high use roads and trails. The project sponsor will also continue monitoring existing cinnabar moth larvae for success and redistribute into high density tansy ragwort and will also establish viable flea beetle populations. There will be a public awareness campaign using newspaper ads and signs in infested areas. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

TOP

MADISON COUNTY

Madison Watershed Project – Grant amount awarded: \$36,500 ♦ Contact person: Melissa Griffiths 406-682-3731

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area.

The scope of work will use herbicides to control 415 acres of spotted knapweed, diffuse knapweed, Canada thistle, whitetop, Dalmatian toadflax, yellow toadflax, hoary alyssum, St. Johnswort, sulfur cinquefoil, common tansy, houndstongue, leafy spurge, and musk thistle with herbicides and biological control agents. Landowners and interested parties will be educated on integrated weed management techniques. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas and water.

North Meadow Creek Noxious Weed Education & Outreach Project – Grant amount awarded: \$0 ♦ Contact person: Melissa Griffiths 406-682-3731

TOP

MEAGHER COUNTY

Martinsdale Weed Management Area – Grant amount awarded: \$16,818 ♦ Contact person: Otto Ohlson 406-547-2196

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area.

The scope of work will use herbicides to control 1,403 acres of spotted knapweed, whitetop, leafy spurge, and houndstongue. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, riparian areas and water.

TOP

MISSOULA COUNTY

Missoula Conservation Lands Restoration Research Project –

Grant amount awarded: \$8,624 ♦ Contact person: Morgan Valliant 406-552-6263

The purpose of this project is to continue to monitor the resident native and non-native plant communities throughout the grazing season as well as the success of establishing native plants into these areas by seed.

The scope of work will have eight treatments, which will include one-time fall seeding grazed, one-time fall seeding ungrazed, one-time spring and fall seeding grazed, one-time spring and fall seeding ungrazed, repeated fall seeding grazed, repeated fall seeding ungrazed, repeated spring and fall seeding grazed, repeated spring and fall seeding ungrazed and two controls of grazed and ungrazed. This study will be established on two sites and a summary of the results will be prepared for all cooperating and supporting agencies. All grazing projects are required to consult with the Montana Fish, Wildlife and Parks Department (FWP) prior to project implementation due to possible conflict between sheep/goat grazing in areas associated with bighorn sheep or predators (i.e. grizzly bears and wolves). Special preventative action and caution must be taken with grazing projects. If bighorn sheep, grizzly bears, or wolves are observed in or near your grazing project area, FWP must be notified immediately.

Clearwater River Yellowflag Iris Eradication Project –

Grant amount awarded: \$7,750 ♦ Contact person: Bill Otten 406-258-4218

The purpose of this project is to contain, control, and stop the spread of yellow flag iris on the Clearwater River in Missoula County.

The scope of work will control eight acres of yellow flag iris with herbicides. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

Missoula County New Invaders Task Force – Grant amount awarded: \$9,198

◆ Contact person: Bill Otten 406-258-4218

The purpose of this project is to contain, control, and stop the spread of new invader noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area in Missoula County.

The scope of work will control 63 acres of Russian knapweed, whitetop, leafy spurge, Dalmatian toadflax, yellow toadflax, St. Johnswort, orange hawkweed, and meadow hawkweed with herbicides. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

Clearwater Watershed Weed Treatment and Mapping –

Grant amount awarded: \$26,649 ◆ Contact person: Jon Haufler 406-677-0069

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area in Missoula County.

The scope of work will control 272 acres of spotted knapweed, Canada thistle, leafy spurge, yellow toadflax, St. Johnswort, sulfur cinquefoil, houndstongue, ox-eye daisy, orange hawkweed, meadow hawkweed, and tall buttercup with herbicides. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

Lower Blackfoot Leafy Spurge Project – Grant amount awarded: \$2,500 ◆ Contact person: Lindsey Bona 406-258-4219

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area along the lower Blackfoot River.

The scope of work will control four acres of leafy spurge with herbicides. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

Swan Valley CWMA Project – Grant amount awarded: \$20,910 ◆ Contact person: Ann Dahl 406-754-3137

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area in Missoula County.

The scope of work will control 1,290 acres of spotted knapweed, Canada thistle, Dalmatian toadflax, St. Johnswort, sulfur cinquefoil, houndstongue, ox-eye daisy, meadow hawkweed, and orange hawkweed with herbicides and biological control agents. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

Invasive & Native Plants of Montana Educational Poster Series – Grant amount awarded: \$4,525 ♦ Contact person: Steffany Rogge-Kindseth 406-258-4211

The purpose of this project is to create an aesthetically pleasing series of posters that stress the importance of native plant diversity and the threat of noxious weed species have on native ecosystems.

The scope of work will create a poster series consisting of individual posters themed specifically to address: 10 established noxious weeds and their successful biological controls, 11 new invasive species that are beginning to establish or have the potential to invade our state, and 25 native species commonly found on the landscape. There will be 10,000 copies of each poster. The posters will be distributed statewide and will be a resource for the “kNOweeds K-12 Invasive Species Curriculum.”

Sentinel / South Hills WMA – Grant amount awarded: \$25,000 ♦ Contact person: Steffany Rogge-Kindseth 406-258-4211

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area in Missoula County.

The scope of work will control 833 acres of spotted knapweed, leafy spurge, Dalmatian toadflax, and houndstongue with herbicides, biological control agents, and hand pulling. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

Japanese Knotweed Initiative – Grant amount awarded: \$3,076 ♦ Contact person: Bill Otten 406-258-4218

The purpose of this project is to contain, control, and stop the spread of Japanese knotweed throughout the Missoula Valley along with educating and providing the tools necessary to help landowners control noxious weeds.

The scope of work will control five and a half acres of Japanese knotweed with herbicides. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

TOP

MONTANA DEPARTMENT OF AGRICULTURE

Eurasian Watermilfoil Management Area – Grant amount awarded: \$40,068

◆ Contact person: Erik Hanson 406-444-9451

The purpose of this project is to prevent the spread of Eurasian watermilfoil from Noxon and Cabinet Gorge by implementing mandatory check stations on primary travel routes from the infested area to the rest of the state

The scope of work will establish check stations at major travel corridors from Noxon and Cabinet Gorge to the rest of Montana. The check stations will be operated seven days a week, twelve hours a day and will be operated by paid personnel. Check stations will operate from May through September and it will be mandatory for all recreational users to stop and be inspected for invasive species.

TOP

MONTANA STATE UNIVERSITY

Determining Efficacy of New Yellow Toadflax Biological Control Agents

Grant amount awarded: \$46,350 ◆ Contact person: David Weaver 406-994-7608

The purpose of this project is to establish yellow toadflax insectaries and determine the efficacy of *Mecinus janthinus*.

The scope of work will establish yellow toadflax insectaries and monitoring transects on a newly discovered population of genetically distinct, stem mining weevil, *Mecinus janthinus*, which exclusively feeds on yellow toadflax. The project coordinator will set up monitoring transects at sites throughout the area to determine efficacy.

Saltcedar Effects on Mycorrhizal Fungal Communities and Screening of Native Species for Restoration – Grant amount awarded: \$26,700 ◆ Contact person: Erik Lehnhoff 406-994-6520

The purpose of this project is to investigate the effect of saltcedar on mycorrhizal fungal communities and screen native plant for use in restoration of saltcedar degraded sites across a range of hydrological regimes.

The scope of work will characterize the mycorrhizal fungal community at sites where saltcedar has been previously treated and/or removed and compare to riparian areas unaffected by the saltcedar. It will be determined which desirable species are suitable for planting at saltcedar restoration sites based on soil chemistry, mycorrhizal status and site hydrological setting.

Cheatgrass Ecology & Integrated Management – Grant amount awarded: \$20,300

◆ Contact person: Jane Mangold 406-994-5513

The purpose of this project is to assess how management practices such as seeding, density, time of removal, and biotic interactions affect cheatgrass competitive ability.

The scope of work will combine greenhouse and field studies to assess cheatgrass germination, emergence, growth patterns, and competitive ability. This project will also generate research-based Extension program on cheatgrass ecology and management to be presented to stakeholders across Montana.

Implementing EDRR in MT Using Invaders Database System –

Grant amount awarded: \$30,612 ♦ Contact person: Jane Mangold 406-994-5513

The purpose of this project is to improve and advance the weed-find records and the next day alerts of the Invaders Database and to train invasive plant managers across Montana to use this feature so that it might serve as an effective mechanism for Early Detection and Rapid Response (EDRR) in Montana.

The scope of work will analyze increased data flow through the Invaders Database system as a response to initial training sessions conducted in 2009-2010. This project will continue to educate invasive plant managers and volunteers about theory and application of EDRR.

Rangeland Revegetation Revisited – Grant amount awarded: \$13,221 ♦ Contact person: Jane Mangold 406-994-5513

The purpose of this project is to contribute to the development of integrated weed management strategies and methods for revegetating disturbed land.

The scope of work will re-visit and re-sample five revegetation research projects that were previously established in weed-infested rangeland in Montana to determine long term out-comes such as limited re-invasion and dominance by seeded, desirable species were successful.

Biological Control of Russian Knapweed – Grant amount awarded: \$39,089

♦ Contact person: Jeff Littlefield 406-994-4722

The purpose of this project is to rear and release two new biocontrol agents for Russian knapweed.

The scope of work will rear and release the gall wasp, *Aulacidea acroptilonica* and gall midge, *Jaapiella ivannikovi*, and continue to monitor plant and insect populations at release sites. Continuation of screening of a flower gall mite *Aceria nr acroptiloni* from Iran and finish multi-species plant impact studies while surveying and screening of other potential agents.

Biological Control of Invasive Hawkweed & Tansy Ragwort –

Grant amount awarded: \$55,589 ♦ Contact person: Jeff Littlefield 406-994-4722

The purpose of this project is to release and monitor a new agent for orange hawkweed and to continue testing the potential for new biocontrol agents for other invasive hawkweeds. The tansy ragwort flea beetle will also be monitored and distributed to new outlying infestations of tansy ragwort.

The scope of work will conduct host specificity tests on a crown boring fly and gall wasp recently located in eastern Europe. Rear *Aulacidea subterminalis* at the Montana State University Quarantine and release at field sites in Lincoln and Flathead Counties. Finish testing the remaining *Cheilosia* fly and testing on the several populations of the gall wasp *Aulacidea hieracii* (CABI).

Biological Control of Common Tansy & Oxeye Daisy –

Grant amount awarded: \$35,000 ♦ Contact person: Jeff Littlefield 406-994-4722
The purpose of this project is to facilitate the establishment of biological control programs for common tansy and oxeye daisy.

The scope of work will conduct foreign collections and surveys for common tansy biocontrol agents by CABI. Develop rearing protocols for the stem weevil *Micoplontus millefolii* and conduct host specificity testing of the root beetle *Longitarsus noricus* and the leaf beetle *Cassida stigmatica*. European field studies and surveys will be conducted on the biology of a root moth *Dichrorampha* species, and a root weevil, *Cyphocleonus trisulcatus*. In addition, cytological and molecular analysis of ox-eye daisy will be conducted to clarify the taxonomy of *Leucanthemum vulgare* complex and to clarify the relationship between the widely grown ornamental Shasta daisy and the invasive daisy.

Biological Control of Whitetop – Grant amount awarded: \$25,295 ♦ Contact person: Jeff Littlefield 406-994-4722

The purpose of this project is to continue to work on biological control of whitetop (hoarycress) at Montana State University and CABI Europe.

The scope of work will conduct host specificity testing on four beetles *Ceutorhynchus turbatus* (seed pod weevil), *Psylliodes wrasei* (shoot mining weevil), *Melanobaris semistriata* (root weevil) and *C. cardariae* as well as collection of test plants. Develop techniques to release gall mites in large numbers and monitor pre-release plots.

Invasive Annual Grass Awareness and Education Campaign –

Grant amount awarded: \$0 ♦ Contact person: Jane Mangold 406-994-5513

Identifying & Testing Candidate Agents for Russian Olive Biocontrol –

Grant amount awarded: \$0 ♦ Contact person: David Weaver 406-994-7608

Management of Canada Thistle in Organic Systems – Grant amount awarded: \$0

♦ Contact person: Fabian Menalled 406-994-4783

Research & Extension on White Bryony – Grant amount awarded: \$0 ♦ Contact person: Fabian Menalled 406-994-4783

[TOP](#)

MONTANA WEED CONTROL ASSOCIATION

2011 Weed Board & Commissioner Trainings – Grant amount awarded: \$22,000 ♦

Contact person: Becky Kington 406-684-5590

The purpose of this project is to continue to provide one day trainings for Weed Boards and County Commissioners throughout Montana.

The scope of work will provide trainings in western, central and eastern Montana during November 2011.

Re-Print Montana's Noxious Weed Booklets – Grant amount awarded: \$28,000 ♦

Contact person: Becky Kington 406-684-5590

The purpose of this project is to update and reprint a new noxious weed identification booklet.

The scope of work will update current noxious weed identification booklet to reflect the recent weed list changes, re-print and offer for sale. The project coordinator will work with Montana State University, contract with printers and make the booklets available through the Montana Weed Control Association.

Montana Success Stories – Grant amount awarded: \$0 ♦ Contact person: Becky Kington 406-684-5590

TOP

MUSSELSHELL COUNTY

Fattig Creek Weed Management Area – Grant amount awarded: \$16,510 ♦ Contact person: Carol Martin 406-323-2740

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area.

The scope of work will use herbicides to control 644 acres of Dalmatian toadflax, spotted knapweed, leafy spurge, Canada thistle, field bindweed, houndstongue, and scotch thistle. Care must be taken to avoid damage to non-target vegetation and water.

TOP

PARK COUNTY

Engaging Anglers in Riparian Weed Mapping – Grant amount awarded: \$16,000

♦ Contact person: Bob Wiltshire 406-222-7270

The purpose of this project is to educate anglers about noxious weeds, train anglers to identify report and map noxious weeds in riparian areas.

The scope of work will coordinate with Montana's recreational fishing organizations and local weed districts to conduct GPS weed mapping of riparian areas. The project sponsor will oversee, coordinate, train and educate groups such as Trout Unlimited and Walleye unlimited in riparian noxious weeds and mapping.

Investigating the Efficacy of Riparian Weed Control – Grant amount awarded: \$0
◆ Contact person: Bob Wiltshire 406-222-7270

Quantification of Sagebrush & Cheatgrass Interactions with Native Grass Populations – Grant amount awarded: \$0 ◆ Contact person: Tracy Mosley 222-4156

TOP

POWELL COUNTY

South Garnet CWMA – Grant amount awarded: \$5,000 ◆ Contact person: Karen Laitala 406-846-3348

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area in Powell County.

The scope of work will control 150 acres of spotted knapweed with herbicides and biological control agents. Landowners and interested parties will be educated on integrated weed management techniques. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

Avon Cooperative Weed Management Project – Grant amount awarded: \$7,416
◆ Contact person: Karen Laitala 406-846-3348

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area in Powell County.

The scope of work will control 539 acres of spotted knapweed, Canada thistle, whitetop, leafy spurge, Dalmatian toadflax, yellow toadflax, sulfur cinquefoil, ox-eye daisy, and houndstongue with herbicides and biological control agents. Landowners and interested parties will be educated on integrated weed management techniques. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

Beck Hill CWMA – Grant amount awarded: \$10,017 ◆ Contact person: Karen Laitala 406-846-3348

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area in Powell County.

The scope of work will control 781 acres of spotted knapweed and Canada thistle with herbicides and biological control agents. Landowners and interested parties will be

educated on integrated weed management techniques. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

Cottonwood Cooperative Weed Management Project – Grant amount awarded: \$8,620 ♦ Contact person: Karen Laitala 406-846-3348

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area in Powell County.

The scope of work will control 691 acres of spotted knapweed, Canada thistle, leafy spurge, Dalmatian toadflax, yellow toadflax, sulfur cinquefoil, ox-eye daisy, and houndstongue with herbicides and biological control agents. Landowners and interested parties will be educated on integrated weed management techniques. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

Middle Blackfoot CWMA – Grant amount awarded: \$7,500 ♦ Contact person: Karen Laitala 406-846-3348

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area in Powell County.

The scope of work will control 584 acres of spotted knapweed, Canada thistle, whitetop, leafy spurge, Dalmatian toadflax, yellow toadflax, sulfur cinquefoil, ox-eye daisy, and houndstongue with herbicides and biological control agents. Landowners and interested parties will be educated on integrated weed management techniques. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

Gold Creek Cooperative Weed Management Project – Grant amount awarded: \$9,114 ♦ Contact person: Karen Laitala 406-846-3348

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area in Powell County.

The scope of work will control 663 acres of spotted knapweed, Canada thistle, whitetop, leafy spurge, Dalmatian toadflax, yellow toadflax, sulfur cinquefoil, ox-eye daisy, houndstongue, and caraway with herbicides and biological control agents. Landowners and interested parties will be educated on integrated weed management techniques. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

North Fork CWMA – Grant amount awarded: \$29,000 ♦ Contact person: Karen Laitala 406-846-3348

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area in Powell County.

The scope of work will control 2,360 acres of spotted knapweed, Canada thistle, whitetop, leafy spurge, Dalmatian toadflax, yellow toadflax, sulfur cinquefoil, common tansy, ox-eye daisy, and houndstongue with herbicides and biological control agents. Landowners and interested parties will be educated on integrated weed management techniques. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

TOP

RAVALLI COUNTY

Leave No Weeds – Grant amount awarded: \$3,500 ♦ Contact person: Melissa Maggio 406-777-5842

The purpose of this project is to educate the next generation so they become responsible land stewards.

The scope of work will provide an hour long presentation to 5th grade students on noxious weeds, impacts on the environment, identification, management, and prevention. The presentation will be followed by the completion of an activity book and a hands-on learning field trip in the Bitterroot National Forest.

Stop the Next Knapweed Treatment Phase III – Grant amount awarded: \$12,000 ♦ Contact person: Kellieann Morris 406-777-5842

The purpose of this project is to focus on the eradication of yellow flag iris, common bugloss, orange hawkweed, Japanese knotweed, saltcedar, whitetop, purple loosestrife, yellow toadflax, and rush skeletonweed.

The scope of work will contract with a strike team to control 92 acres of new invader noxious weeds with herbicides. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

Bitterroot Bio-Control Project 2010 – Grant amount awarded: \$18,000 ♦ Contact person: Melissa Maggio 406-777-5842

The purpose of this project is to mass rear biological agents for spotted knapweed in insectaries at the Victor and Darby schools for distribution.

The scope of work will hire two teachers and have 850 student hours to mass rear and distribute *Cyphocleonus achates* a biological control agent for spotted knapweed and will collect biocontrol agents for leafy spurge and Dalmatian toadflax. Biocontrol release sites for Ravalli County will be mapped and monitored. Native grasses and forbs will be grown in the school greenhouse and then the plugs of native species will be used for revegetation projects. Local landowners will also be educated about integrated weed management through personal contacts.

Bitterroot Blueweed Project 2010 – Grant amount awarded: \$27,513 ♦ Contact person: Shane Arnott 406-777-5842

The purpose of this project is to continue the work that has taken place over the last three years specifically focusing on the Bitterroot River and blueweed infestations. The scope of work will hire a commercial applicator to treat 476 acres along the Bitterroot river and 735 acres of private lands for blueweed using herbicides. Ravalli County and a contractor will also survey, map, and hand pull 74 miles of the Bitterroot River for blueweed. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care will be taken to avoid damage to off target vegetation, water, and riparian areas.

TOP

ROCKY BOY RESERVATION

NW Big Sandy Creek, West Box Elder, Square Butte & Centennial Mountain – Grant amount awarded: \$28,165 ♦ Contact person: Ron Swan 406-395-4207

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area.

The scope of work will control 370 acres of Russian knapweed, Dalmatian toadflax, and houndstongue with herbicides and biological control agents. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

TOP

ROSEBUD COUNTY

Birney Landowner Project Year 3 – Grant amount awarded: \$37,500 ♦ Contact person: Amy Adler 406-346-7608

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area.

The scope of work will use herbicides to control 1,000 acres of leafy spurge, spotted knapweed, Russian knapweed, houndstongue, whitetop, Canada thistle, and sulfur cinquefoil. Care must be taken to avoid damage to non-target vegetation and water.

TOP

SALISH KOOTENAI COLLEGE

Sequential Foliar Herbicide Applications for Suppression of Flowering Rush – Grant amount awarded: \$33,941 ♦ Contact person: Virgil Dupuis 406-275-4899

The purpose of this project is to test the effectiveness of Habitat and Clearcast aquatic herbicides in suppressing flowering rush over sequential years in Flathead Lake and the Lower Flathead River.

The scope of work will continue the next stage in the study. This trial will take the two best herbicide prescriptions and apply these herbicides two years in a row. The goal of the project is to maximize rhizome kill. The spray trials will be implemented at two different site types at different seasonal timings. These two factors may increase the degree of rhizome kill from the herbicide treatments.

TOP

SANDERS COUNTY

Eurasian Watermilfoil Education & Outreach – Grant amount awarded: \$23,721

◆ Contact person: John Halpop 406-827-6934

The purpose of this project is to reduce the spread of Eurasian watermilfoil and other aquatic invasive species by reaching boaters, anglers and the general public in Sanders County with information about aquatic noxious weeds, that will demonstrate specific ways that people can help slow the expansion of noxious weeds.

The scope of work will hire an education coordinator and two assistances. The coordinator will work 600 hours educating boaters, campground users, and the public in general about Eurasian watermilfoil. The assistants will focus their time making one-on-one contact with boaters at boat ramps on Noxon and Cabinet Reservoirs.

Eurasian Watermilfoil Replicated Strip Treatment Research – Grant amount awarded: \$75,000 ◆ Contact person: John Halpop 406-827-6934

The purpose of this project is to determine the most effective management tool(s) to preserve the ecological integrity of the lower Clark Fork River and to reduce the movement of aquatic noxious species to non-infested areas of Montana.

The scope of work will evaluate applications of quick-acting contact type herbicides. Treatments will be conducted in strips of aquatic vegetation infested with Eurasian watermilfoil located along the shoreline of the reservoir. All strip treatment scenarios will be replicated three times, including the untreated references. Untreated buffer zones will be maintained between treated plots to prevent cross contamination. Quantitative pre- and post-treatment assessments of the aquatic plant community will be conducted 4 weeks after treatment and 52 weeks after treatment to document efficacy on target plants and impacts on native vegetation.

Eurasian Watermilfoil / Curly Leaf Pondweed Block Study – Grant amount awarded: \$75,000 ◆ Contact person: John Halpop 406-827-6934

The purpose of this project is to determine the most effective management tool(s) to preserve the ecological integrity of the lower Clark Fork River and to reduce the movement of aquatic noxious species to non-infested areas of Montana.

The scope of work will treat large contiguous blocks of Eurasian watermilfoil and curly leaf pondweed found along shorelines, in coves, or in appropriate sites off-shore. Treatment timing will primarily be based upon discharge patterns from Noxon dam that will provide minimal water exchange conditions at time of treatment. Quantitative pre- and post-treatment assessments of the aquatic plant community will be conducted four weeks after treatment and 52 weeks after treatment to document efficacy on target plants and impacts on native vegetation.

New Invaders Project – Grant amount awarded: \$8,613 ♦ Contact person: Mike Chenoweth 406-826-3487

The purpose of this project is to continue containment and control of rush skeletonweed and other new invaders in Sanders County, educate landowners, and provide them with the tools necessary to control noxious weeds in the project area.

The scope of work will contain and control all known infestations of rush skeletonweed as part of the statewide rush skeletonweed initiative on approximately 50 acres in the project area. This will involve hiring two people who's focus will be on rush skeletonweed, Japanese knotweed, and Scotch broom control in Sanders County. All workers will be trained to identify, mark, and GPS rush skeletonweed plants and new sites. Identification advertisements in local newspapers will be used to raise public awareness on these weed species. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

TOP

STILLWATER COUNTY

Midnight Canyon - Trout Creek WMA – Grant amount awarded: \$31,848 ♦ Contact person: Jim Visser 406-322-1106

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area in Stillwater County.

The scope of work will use integrated weed management to control 1,072 acres of spotted knapweed, leafy spurge, houndstongue, sulfur cinquefoil, and Canada thistle. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation and water.

TOP

SWEET GRASS COUNTY

Big Timber Creek Stream Bank Knapweed Mitigation Project – Grant amount awarded: \$20,000 ♦ Contact person: Dan Rostad 406-932-5160 ext. 106

The purpose of this project is to implement a riparian area weed control program along Big Timber Creek.

The scope of work will use herbicides and biocontrol to treat 134 acres of spotted knapweed. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation and water.

TOP

TETON COUNTY

AMS Bumper Sticker Contest / Noxious Weed Awareness Design Contest – Grant amount awarded: \$4,792 ♦ Contact person: Lorri Brenneman 406-437-1906

The purpose of this project is to make students aware of the physical characteristics of noxious weeds, to deliver vocabulary terms, and to increase awareness of the ramifications of noxious weeds.

The scope of work will hold the Agriculture in Montana Schools (AMS) Bumper Sticker Contest for K-6 grade students. Eight state winners will be selected from across Montana. There will be one state winner chosen from each grade, K-6 as well as an overall/previous winner. AMS will choose the state winners from the county entries. Meals and hotel rooms will be provided by this grant for the contestant winners to attend the awards ceremony in Helena. The cost of printing the post card and bumper stickers will be covered along with travel expenses.

Greenfields Irrigation District WMA – Grant amount awarded: \$6,500 ♦ Contact person: Bob Hardin 406-467-2533

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area.

The scope of work will control 500 acres of spotted knapweed, Russian knapweed, Canada thistle, leafy spurge, and Dalmatian toadflax with herbicides. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

TOP

UNIVERSITY OF MONTANA

Can Sheep Control Leafy Spurge Without Compromising Native Plants? – Grant amount awarded: \$0 ♦ Contact person: Cara Nelson 406-243-6066

Non-target Effects of Broadleaf Herbicides Used in Natural Management Areas –
Grant amount awarded: \$0 ♦ Contact person: Elizabeth Crone 406-243-5675

Simultaneous Underwater Vegetation Mapping & Precision Herbicide Injection –
Grant amount awarded: \$0 ♦ Contact person: Peter Rice 406-243-2671

Decision Tree & Criteria for Noxious Weed Listing in New Priority Classes – Grant
amount awarded: \$0 ♦ Contact person: Peter Rice 406-243-2671

TOP

WHEATLAND COUNTY

Judith Gap Weed Management Area – Grant amount awarded: \$26,353 ♦ Contact
person: Gary Olsen 406-632-4138

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area in Wheatland County.

The scope of work will use herbicides to control 984 acres of spotted knapweed, Russian knapweed, leafy spurge, whitetop, sulfur cinquefoil, houndstongue, and common tansy. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

Weed Control in Harlowton – Grant amount awarded: \$2,997 ♦ Contact person: Gary
Olsen 406-632-4138

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area in Wheatland County.

The scope of work will use herbicides to treat 76.5 acres of whitetop, spotted knapweed, Canada thistle, and leafy spurge. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

Riker Mounts for 12 Noxious Weeds – Grant amount awarded: \$11,700 ♦ Contact
person: Gary Olsen 406-632-4138

The purpose of this project is to collect and create Riker mounts for 12 noxious weeds for educational purposes.

The scope of work will locate, collect, press, dry, and distribute Dyer's woad, flowering rush, scotch broom, curlyleaf pondweed, tansy ragwort, meadow hawkweed, tall buttercup, St. Johnswort, ox-eye daisy, cheatgrass brome, Japanese brome, Russian olive, and hydrilla. These will be delivered at MWCA fall conference and/or at the MWCA annual meeting.

Upper Musselshell South – Grant amount awarded: \$49,000 ♦ Contact person: Gary Olsen 406-632-4138

The purpose of this project is to control and stop the spread of noxious weeds along with educating and providing the tools necessary to help landowners control noxious weeds in the project area in Wheatland County.

The scope of work will use herbicides, biocontrol, and goat grazing to control and manage 3,018 acres of houndstongue, leafy spurge, Dalmatian toadflax, yellow toadflax, Canada thistle, field bindweed, whitetop, spotted knapweed, and Russian knapweed. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation, water, and riparian areas.

TOP

YELLOWSTONE COUNTY

Yellowstone County Saltcedar Management 2010 – Grant amount awarded: \$35,000
♦ Contact person: Scott Bockness 406-256-2731

The purpose of this project is to treat saltcedar infestations along the Yellowstone River riparian corridor in central Yellowstone County.

The scope of work will use herbicides to treat approximately 116 acres of salt cedar along the Yellowstone River. Education will consist of ongoing outreach to landowners for prevention and control of noxious weeds. Care must be taken to avoid damage to non-target vegetation and water.