

2010

MONTANA

Noxious Weed Trust Fund Grant Program

Grant Guidelines



MONTANA DEPARTMENT OF AGRICULTURE

2010 Grant Guidelines

Noxious Weed Program
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Introduction

History – The Montana Noxious Weed Trust Fund grant program was established by the 1985 Montana Legislature to provide funding for the development and implementation of weed management programs; provide for research and development of innovative weed management techniques, including biological control; and to support educational, cropland and other weed research projects that benefit Montana citizens. The grant program is designed to assist counties, local communities, researchers, and educators in their efforts to solve a variety of weed problems in Montana. All grant applications and proposals should complement and enhance the Montana Weed Management Plan. The Montana Weed Management Plan can be found at www.agr.mt.gov or from the Department of Agriculture - Noxious Weed Section by calling 406-444-2944.

The program provides cost-share funding for:

1. local cooperative weed management areas (a minimum of 3 adjacent landowners)
2. education (statewide or local noxious weed awareness), and
3. research projects (including non-chemical research and demonstration programs).

These grant guidelines give specific instructions on how to apply for the funds. Funding is generally through a project sponsor (local weed district, conservation district, extension office, or university). Assistance in writing a grant proposal is provided through your local weed district, extension office or conservation district. If you need additional assistance or have questions, please contact the Montana Department of Agriculture - Noxious Weed Section at 406-444-2944.

All grant applications must be postmarked by December 1, 2009. Funding available for fiscal year 2010 grants is estimated to be:

NWTF Regular Grant Funding - \$1,800,000
Special General Funding - \$101,337
Cooperative Forestry Assistance - \$604,000

Grant proposals must have one original with 16 copies and an electronic copy of the grant application. The grant dollar cap is \$75,000/application (not total Project Cost). All grant applications must be postmarked by December 1, 2009. The grant hearings will be held March 1-5, 2010 in Helena, MT. Grant applicants will be notified of the facility, date, and time of their presentation after the application deadline. The grant guidelines and forms are available on the following web site: <http://agr.mt.gov/weedpest/noxiousweeds.asp>.

◆ Please use the **Application Check List** at the end of this document before you mail your grant application package to the Department of Agriculture to ensure you have submitted all required information for your grant application.

NEW (1st year projects) – Local Cooperative Weed Management Projects

New local cooperative weed management grant proposals must include:

1. **Noxious Weed Grant Program Application Cover Page (form NW-1A)** – Do not attach any type of cover page or other material on top of this application form; do not bind the pages; staple the grant application in the upper left hand corner only.
2. **Cooperators/Agency List (form NW-1B)** – List grant participants and agencies involved in the grant project area. The agency list, which should include neighboring county weed districts if the project boundary is in multiple counties, must have the agency contact person and their phone number. Make additional copies if you need more room for the cooperators. Also, list individual people or groups that sent you letters of support.
3. **Budget Detail/Financial Narrative (form NW-2A)** – Requested grant funds and matching funds (in actual dollars) is on one page, which makes up your budget for your project. The Trust Fund *will not fund equipment* for your project, but you can use equipment purchased for the project as matching dollars on the budget. In-kind matches are services or resources and a description of that type of match needs to be in the written narrative, not on the grant budget sheet. See the *instruction sheet* in the Grant Application Forms Appendix for more details on how to complete the budget form. *** Remember *** round all figures to the nearest dollar.
4. **Herbicide and Application Cost Summary Sheet (form NW-3A)** – Summarize herbicide costs using the *state bid contract prices* included in the Appendix and commercial applicator costs from area applicators for all participants in the project. Additional herbicides cannot be added to the project

after the grant hearings. The Trust Fund **does not** fund annual herbicide for cropland and CRP (Conservation Reserve Program) practices. The Noxious Weed Management Advisory Council will fund herbicide costs based on Montana's state contract for cooperative purchase on common herbicides. If a herbicide is not listed on the herbicide pricing schedule in the Appendix then contact a local dealer for a current price. For more information about the state purchasing contract visit: <http://gsd.mt.gov/apps/termcontracts/> then click on Agricultural Chemicals. * **Remember** * round all figures to the nearest dollar.

5. **Seed and Application Cost Summary Sheet (form NW-3B)** (if applicable) – Summarize seed costs and commercial applicator costs for all cooperators in the project area. The Trust Fund provides cost share for re-seeding areas after weed control to establish desirable vegetation and good competition for the treated area. The Trust Fund program **does not** fund re-seeding efforts for alfalfa fields, grain for wildlife habitat, or other cropland situations. Please list the specific grass species and/or forbs making up the seed mixture in the written part of the grant application under “Plan of Work.” * **Remember** * round all figures to the nearest dollar.
6. **Description of the Project** (written narrative) –
 - **History** – provide a brief history and magnitude of the noxious weed problem.
 - Purpose** – explain the desired outcome of this project or what you want to accomplish in one year.
 - Cooperative Participation** – explain how long the cooperators have been working together, outline the cooperators long-term commitment to the project, describe the participants accomplishments prior to the grant application, and what activities they will complete that are not covered by this grant. Also, describe the cooperation between county weed districts, if the project crosses county lines, and how the agencies within the project are cooperating with the project.
 - Location of Project** – provide a general description of the project located within your county or neighboring counties.
 - Benefits** – explain how this project supports the state and county weed management plans, describe the benefits of this project and how it will enhance the common goal of landowners controlling their noxious weeds in Montana.
 - Funding Options** – if you are applying for special funding, explain how your project qualifies for this funding:
 - i. *Special General Funding* – these funds are to help mitigate the impact of noxious weeds on private lands as a result of the activities of the MT Department of Fish, Wildlife & Parks. Examples of areas

impacted by FWP activities include: wildlife grazing and wintering areas, recreation areas, and waterways.

- ii. *Cooperative Forestry Assistance Funding* – these funds are to help manage private, tribal, and non-federal public land noxious weed infestation. Requested funding must focus on state-listed noxious weeds and the project must be within an established Weed Management Area on private, tribal, and/or state lands in areas associated with federal lands with an active weed management program. The project area must have 10% forest cover or be lands with infestations adjacent to or associated with forested lands that pose a threat to the forested lands.

7. **Specific Objectives and Methodology** –

Objectives – describe the specific objectives of your project. Objectives should be measurable and timed based, such as, eradicate new weed species by the end of the project or will reduce established weed species by 25% by the end of the project. You will need to determine which noxious weeds you want to eradicate (if possible) and the percentage of weed reduction you expect to achieve.

Plan of Work – describe how this project will implement integrated weed management of the targeted weed species. List the targeted noxious weeds, the size and density of infestations and if the weed is a new invader in the project area along with what priority is set for this noxious weed, and what control methods will be used for each weed. Also include the biological control agents that will be used or are in existence in the project. **For grazing projects**, describe the grazing management plan for the type of livestock that will be used in the project. All sheep/goat grazing projects are required to consult with the Montana Fish, Wildlife and Parks Department (FWP) prior to project implementation due to possible conflict 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. Please describe what type of collaboration you have had with FWP about this issue within your project area. **Subdivisions** within in the project boundary – describe the number of lots, lot size, number of subdivisions in the project area, percent of landowners participating in this project, and what is their homeowner association currently doing for weed control. ***All projects*** must specify how you will accomplish or finish your objectives for this local cooperative project.

Natural/Renewable Resources Effect – describe the long term effect your project will have on the surrounding natural resources (energy, minerals, land, water, and biota – plant and animal life of a region). Provide a brief description on how your project will enhance the renewable resources

(livestock grazing, timber, crop production, recreation, wildlife, and all water resources) in your area. This is an opportunity to address specific benefits that your project will have on the natural resources on a localized level.

Education Program – describe what type of noxious weed education and awareness program will be implemented as the project progresses. Also, provide information about project tours, demonstration areas, workshops or meetings that will be conducted during the project.

In-kind Activities – provide a narrative describing planned in-kind contributions, such as landowner labor and equipment use for spraying and agency labor that would be equivalent to in-kind match to be used in the project area.

Evaluation – describe how you will monitor and measure the success of this project. Long-term monitoring and evaluation should be discussed for your project area. Monitoring must include photo points and may include vegetation surveys, AUM Analyzer, pounds of usable forage, etc.

8. **Time Schedule** – describe the time schedule for beginning and completing all phases of the project. In addition, outline a long-term commitment for management of the target weed species in the project area.
9. **Project Map** – local cooperative projects are required to submit a readable map with the original grant application and clear, legible map with each of the required 16 copies for the Advisory Council. The map must have the project boundary identified in conjunction with the county boundaries. The project map **must** have the Township, Range, and Sections on the map along with landownership (private, state, federal, etc.) and a legend of any marks, colors, or symbols used on the map.
10. **Supporting Documents** (if applicable) – subcontract agreements, property easements, project related memorandums of understanding, or letters of commitment from county weed districts, agencies, and landowners.
11. **Environmental Assessment (EA)** – (include **only** with the **original** grant application) The EA process is required for new local cooperative projects with herbicide use and non-chemical weed control projects. All potential impacts must have a statement explaining how these impacts will be mitigated. Mitigation is defined by the Montana Environmental Policy Act (MEPA) as:
 - avoiding an impact by not taking a certain action or parts of an action;
 - minimizing impacts by limiting the degree or magnitude of an action and its implementation;
 - rectifying an impact by repairing, rehabilitating, restoring the affected environment; or

- reducing or eliminating an impact over time by preservation and maintenance operations during the life of an action or the time period thereafter that an impact continues.

Mitigation statements must be included on the Environmental Assessment Worksheets. Start early with contacting the resource agencies listed in the Appendix to complete the environmental assessment for your project area by the grant deadline. For additional help you can contact the Noxious Weed Program with the Montana Department of Agriculture at 406-444-2944.

Requirements for environmental information under the Noxious Weed Trust Fund Final Programmatic Environmental Impact Statement (May 1992) include:

Chemical Weed Control Programs – vegetation type, soil type, water resources, air quality; habitat of fish & wildlife; threatened, endangered or species of concern, and historical and archeological sites.

Non-chemical Weed Control Programs (sheep/goat grazing, cultural, and mechanical projects) – vegetation types, habitat of fish & wildlife, threatened, endangered or species of concern, and historical and archeological sites.

Submit the completed **Environmental Assessment Worksheets** and the following maps, letters, and lists with the **original** grant application:

Maps – Surface & Groundwater; Soils Type; Threatened & Endangered Species

Letters – MT Natural Heritage Program; MT Historical Society

Lists – Well Locations & Depths; Threatened, Endangered or Species of Concern

Additional Project Information

A local cooperative project must have at least 3 cooperating, adjacent landowners. Participating landowners must have a committed dollar amount for the acres to be treated prior to grant submission. This summarized information is used in the Herbicide and Application Cost Summary Sheet. List all project cooperators, including participating state and federal agencies, in the grant application. Project participants should have already completed:

- Weed mapping of target noxious weed infestations (GPS or hand drawn);
- One year of cooperative work within the new weed management area; and
- Identification of a local individual as project coordinator.

The **project coordinator** is the person who will receive all correspondence from the Department of Agriculture, which includes grant contract, revised budget forms, and request for payment forms. This person will be responsible for submitting the spring and fall narrative reports along with photo-points of the project area. The project coordinator ensures the project is on task and if the project needs an extension, for one year, he or she will be the person to request this from the department.

The **project sponsor** is usually a government agency (weed district, tribe, conservation district, university, etc.) that the grant funds must be distributed through. The Noxious Weed Trust Fund is a competitive, reimbursable grants program. The grant participants must pay for the herbicide or commercial applicator up front. The project sponsor will reimburse the project participants once they turn in receipts for the contracted services or herbicide purchased. Counties are expected to have an active local weed district funded at a 1.6 mill level, an equivalent amount from another source, or \$100,000 for Class I counties.

The Noxious Weed Trust Fund grant program provides 50:50 cost-share for herbicides, commercial application, and re-seeding mixtures. Projects will be funded only if matching funds are available from the project sponsor and cooperators. All matching funds that are part of another government cost-share program must be specifically outlined in the grant proposal (e.g., NRCS for fencing, revegetation, water development, CRP, etc). The maximum grant dollar request is \$75,000.

Applicator licenses – all commercial and governmental pesticide applicators must be properly licensed to apply herbicides. All landowners must have a farm applicator license if they will be using a restricted use herbicide, such as Tordon, in the project area. Verification of proper licensing will be required in all narrative reports.

All local cooperative project areas must be part of a county or tribal noxious weed management plan and a current county weed management plan must be on file with the Department of Agriculture. Tribes may submit or reference management plans from the county where they are located, multiple county plans, or their specific tribal weed management plan.

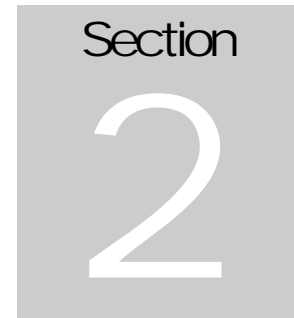
308 Authorization – Montana water quality standards require state waters to be free from toxic or harmful substances to aquatic life. The 308 Authorization allows a short-term exemption from these water quality standards to apply pesticides to a state water body. If an aquatic herbicide is going to be applied in or over the water then contact the Department of Environmental Quality, Water Protection Bureau at 406-444-3080 or their website at <http://www.deq.mt.gov> for more information on this permitting process.

Important Points to Remember:

- All grant applications must be postmarked by December 1, 2009. Grant proposals must have one original with 16 copies and an electronic copy of the grant application.
- Grant proposal request amount is limited to a maximum of \$75,000. Grant proposals are considered and funded on a one-year basis.
- The project sponsor and project coordinator must be clearly identified. All correspondence will be addressed to the project coordinator.
- There is no reimbursement for costs incurred prior to final signing of the contract. The contract is effective upon the final signature(s) and date.
- Applicants cannot use grant funds to write grant proposals or reimburse travel expenses to attend grant hearings in support of their proposal(s) to the Noxious Weed Management Advisory Council.
- Local Cooperative projects are built on the acres to be treated and associated dollars committed by participating individuals. The project sponsor needs to insure that all participating landowners have been contacted and are committed to the project prior to grant submission.
- The Trust Fund will not fund capital improvement projects or annual herbicide for cropland or CRP practices.
- Provide a clear readable project map for the 16 copies of your grant proposal with the township, range, and section. If copies are illegible, you will be required to re-submit all 16 copies of the project map.
- The environmental assessment (EA) part of the grant application directs the grant participants in making the appropriate choice of herbicides to use depending on the noxious weed species along with environmental characteristics such as groundwater depth, soil type, non-target damage, and surface water resources.
- Start gathering the environmental information necessary to complete the EA section of the grant application in October. It is important to start early to have enough time to complete the requirements of the EA and request help from Department of Agriculture staff if there is a problem you encounter with completing any part of the EA worksheet.
- Submit your grant forms and written narrative as outlined in the beginning of this section. This helps the Advisory Council review the many grant applications

received in a fair manner and allows them to find information on your grant quickly during the grant hearings.

- The Advisory Council will not fund Trust Fund education products such as the Weed ID booklets, TIPS for Fighting Weeds on Small Acreages in Montana, etc. due to the Trust Fund grant program funding the production and printing of these materials. Your project can purchase those products through the Montana Weed Control Association at www.mtweed.org or your local county extension office.



Continuing- Local Cooperative Weed Management Projects

Continuing local cooperative weed management proposals must include:

1. **Noxious Weed Grant Program Application Cover Page (form NW-1A)** – Do not attach any type of cover page or other material on top of this application form; do not bind the pages; staple the grant application in the upper left hand corner only.
2. **Cooperators/Agency List (form NW-1B)** – List grant participants and agencies involved in the grant project area. The agency list, which should include neighboring county weed districts if the project boundary is in multiple counties, must have the agency contact person and their phone number. Make additional copies if you need more room for the cooperators. Also, list the individual people or groups that sent you letters of support.
3. **Budget Detail/Financial Narrative (form NW-2A)** – Requested grant funds and matching funds (in actual dollars) is on one page, which makes up your budget for your project. The Trust Fund *will not fund equipment* for your project, but you can use equipment purchased for the project as matching dollars on the budget. In-kind matches are services or resources and a description of that type of match needs to be in the written narrative, not on the grant budget sheet. See the *instruction sheet* in the Grant Application Forms Appendix for more details on how to complete the budget form. *** Remember *** round all figures to the nearest dollar.
4. **Herbicide and Application Cost Summary Sheet (form NW-3A)** – Summarize herbicide costs using the *state bid contract prices* included in the Appendix and commercial applicator costs from area applicators for all participants in the project. Additional herbicides cannot be added to the project after the grant hearings. The Trust Fund **does not** fund annual herbicide for cropland and CRP (Conservation Reserve Program) practices. The Noxious

Weed Management Advisory Council will fund herbicide costs based on Montana's state contract for cooperative purchase on common herbicides. If a herbicide is not listed on the herbicide pricing schedule in the Appendix then contact a local dealer for a current price. For more information about the state purchasing contract visit: <http://gsd.mt.gov/apps/termcontracts/> then click on Agricultural Chemicals. * **Remember** * round all figures to the nearest dollar.

5. **Seed and Application Cost Summary Sheet (form NW-3B)** (if applicable) – Summarize seed costs and commercial applicator costs for all cooperators in the project area. The Trust Fund provides cost share for re-seeding areas after weed control to establish desirable vegetation and good competition for the treated area. The Trust Fund program **does not** fund re-seeding efforts for alfalfa field, grain for wildlife habitat, or other cropland situations. Please list the specific grass species and/or forbs making up the seed mixture in the written part of the grant application under “Plan of Work.” * **Remember** * round all figures to the nearest dollar.
6. **Description of the Project** (written narrative) –

Project History – provide a brief history of the project and where the project is located within your county. This paragraph helps new members of the Noxious Weed Management Advisory Council not familiar with your continuing grant project.

Activities Completed to Date – describe what your project participants accomplished within the last year. Include acres treated, noxious weeds controlled or eradicated, acres grazed, number of biological control sites established, other control methods used (hand pulling, cultural), acres re-seeded, meetings and project tours held, education events, and monitoring activities.

Purpose – explain the desired outcome of this continuing project or what you want to accomplish in one year.

Benefits – explain how this project supports the state and county weed management plans, describe the benefits of this project and how it will enhance the common goal of landowners controlling their noxious weeds.

Funding Options – if applying for special funding, explain how your project qualifies for this funding:

- i. *Special General Funding* – these funds are to help mitigate the impact of noxious weeds on private lands as a result of the activities of the MT Department of Fish, Wildlife & Parks. Examples of areas impacted by FWP activities include: wildlife grazing and wintering areas, recreation areas, and waterways.
- ii. *Cooperative Forestry Assistance Funding* – these funds are to help manage private, tribal, and non-federal public land noxious weed

infestation. Requested funding must focus on state-listed noxious weeds and the project must be within an established Weed Management Area on private, tribal, and/or state lands in areas associated with federal lands with an active weed management program. The project area must have 10% forest cover or be lands with infestations adjacent to or associated with forested lands that pose a threat to the forested lands.

7. **Specific Objectives and Methodology** –

Objectives – describe the specific objectives of your project. Objectives should be measurable and timed based, such as, eradicate new weed species by the end of the project or will reduce established weed species by 25% by the end of the project. You will need to determine which noxious weeds you want to eradicate (if possible) and the percentage of weed reduction you expect to achieve.

Plan of Work – describe how this project will implement integrated weed management of the targeted weed species. List the targeted noxious weeds, the size and density of infestations and if the weed is a new invader in the project area along with what priority is set for this noxious weed, and what control methods will be used for each weed. Also include the biological control agents that will be used or are in existence in the project. **For grazing projects**, describe the grazing management plan for the type of livestock that will be used in the project. All sheep/goat grazing projects are required to consult with the Montana Fish, Wildlife and Parks Department (FWP) prior to project implementation due to possible conflict 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. Please describe what type of collaboration you have had with FWP about this issue in your project area. **Subdivisions** within in the project boundary – describe the number of lots, lot size, number of subdivisions in the project area, percent of landowners participating in this project, and what their homeowner association is currently doing for weed control. ***All projects*** must specify how you will accomplish or finish your objective for this local cooperative project.

Natural/Renewable Resources Effect – describe the long term effect your project will have on the surrounding natural resources (energy, minerals, land, water, and biota – plant and animal life of a region). Provide a brief description on how your project will enhance the renewable resources (livestock grazing, timber, crop production, recreation, wildlife, and all water resources) in your area.

Education Program – describe what type of noxious weed education and awareness program will be implemented as the project progresses. Also, provide information about project tours, demonstration areas, workshops or

meetings that will be conducted during the project.

In-kind Activities – provide a narrative describing planned in-kind contribution, such as landowner labor and equipment use for spraying and agency labor that would be equivalent to in-kind match to be used in the project area.

Evaluation – describe how you will monitor and measure the success of this project. Long-term monitoring and evaluation should be discussed for your project area. Monitoring must include photo points and may include vegetation surveys, AUM Analyzer, pounds of usable forage, etc.

8. **Time Schedule** – describe the time schedule for beginning and completing all phases of the project. In addition, outline a long-term commitment for management of the target weed species in the project area.
9. **Project Success** – provide before and after photo-points and a short description of the photos including the name of the noxious weed(s), herbicide and rate used, and timing of application. This will be used as a visual for the Advisory Council to evaluate your project. The Advisory Council is requesting a minimum of two photo-points (before and after) to be included in the grant proposal.
10. **Project Map** – local cooperative projects are required to submit a readable map with the original grant application and clear, legible map with each of the required 16 copies for the Advisory Council. The project map must have the project boundary in conjunction with the county boundaries; legal description (Township, Range, Sections); landownership (private, state, federal, etc.); and a legend of any marks, colors, or symbols used on the map.
11. **Environmental Assessment (EA)** – only needed if additional land has been added to the original project area. (see EA information in Section 1, pages 4-5)

Important Points to Remember:

- All grant applications must be postmarked by December 1, 2009. Grant proposals must have one original with 16 copies and an electronic copy of the grant application.
- Grant proposal request amount is limited to maximum of \$75,000. Grant proposals are considered and funded on a one-year basis.
- The project sponsor and project coordinator must be clearly identified. All correspondence will be addressed to the project coordinator.
- There is no reimbursement for costs incurred prior to final signing of the contract. The contract is effective upon the final signature(s) and date.

CONTINUING - LOCAL COOPERATIVE

- Applicants cannot use grant funds to write grant proposals or reimburse travel expenses to attend grant hearings in support of their proposal(s) to the Noxious Weed Management Advisory Council.
- Local Cooperative projects are built on the acres to be treated and associated dollars committed by participating individuals. The project sponsor needs to insure that all participating landowners have been contacted and are committed to the project prior to grant submission.
- Project Success is an important part of the continuing local cooperative grant application. The Advisory Council will recommend your project not to be funded if this or any other part of the application is not complete.
- The Trust Fund will not fund capital improvement projects or annual herbicide for cropland or CRP practices.
- Provide an updated, clear and readable project map for the 16 copies of your grant proposal with the township, range, and section. If copies are illegible, you will be required to resubmit all 16 copies of the project map.
- Submit your grant forms and written narrative as outlined in the beginning of this section. This helps the Advisory Council review the many grant applications received in a fair manner and allows them to find information on your grant quickly during the grant hearings.
- The Advisory Council will not fund Trust Fund education products such as the Weed ID booklets, TIPS for Fighting Weeds on Small Acreages in Montana, etc. due to the Trust Fund funding the production and printing of these materials. Your project can purchase those products through the Montana Weed Control Association at www.mtweed.org or your local county extension office.

New or Continuing – Research Projects

New or continuing research grant proposals must include:

1. **Noxious Weed Grant Program Application Cover Page (form NW-1A)**
– Do not attach any type of cover page or other material on top of this application form; do not bind the pages; staple the grant application in the upper left hand corner only.
2. **Cooperators/Agency List (form NW-1B)** – List grant participants and agencies involved in the research grant. Please include County Weed Districts if your field work is in their county. Make additional copies if you need more room for the cooperators. Also, list the individual people or groups that sent you letters of support.
3. **Budget Detail/Financial Narrative (form NW-2A)** – Requested grant funds and matching funds (in actual dollars) is on one page, which makes up your budget for your project. In-kind matches are services or resources and should be written in the grant proposal narrative. Indirect costs and Forgone IDCs are not paid with grant funds. *** Remember *** round all figures to the nearest dollar.
4. **Description of the Project** (written narrative) –

History – provide a brief history and magnitude of the noxious weed problem; provide discussion and proof that a search of the literature has been done to avoid duplication of project.

Purpose – address desired outcome of this research project or what do you want to accomplish in one year of funding. Also, provide a short summary on how project results could be applied statewide along with a

description of the tangible returns to the county or state; how will this information directly improve current noxious weed control and management; and does it meet the research priorities listed later in this section.

Cooperative Participation – explain how the cooperation will achieve the goals of the proposed research; how long the cooperators have been working together, what have these participants accomplished prior to the grant application, what activities will they complete that are not covered by this grant; if this project is being used to leverage other dollars, please list source(s) and amount(s).

Location of Project – describe where the research project (site) is located within the state and please include any public/private land cooperators that have research sites located on their property.

Benefits – explain how this project supports the state weed management plan; describe the benefits of this project and how it will enhance the common well-being of the people of Montana.

5. **Specific Objectives and Methodology** –

Objectives – describe the specific objectives of your research project. Objectives should be clear, measurable, and timed based.

Plan of Work – describe, in appropriate detail, how the research for this project will be performed.

In-kind Activities – provide a narrative describing planned in-kind contributions, such as facilities, labor, transportation, or other resources that will be used in the project. Please address and define Indirect Costs and Forgone IDC's.

Evaluation – describe how you will monitor and measure the success of this research project.

Publication – please list potential journals/publications in which the information may be published.

Data Analysis – if specific data is to be collected, how will the collected data be analyzed?

Dissemination – how will you get this information to the end user? Please list possible events and venues for information dissemination, such as professional conventions, scientific journals, ect.

6. **Time Schedule** – describe the time schedule from the beginning until completion for all phases of the research project, please include dates.

Research Priorities:

Priorities from the Montana Weed Management Plan:

- Quantify the effects of weeds on Montana's economy.
- Develop the scientific basis for management techniques to prevent weed invasion or re-invasion.
- Document weed biology and plant dynamics.
- Develop integrated weed management control systems.
- Develop and demonstrate methods for revegetating and reclaiming disturbed land.
- Determine effects of natural disturbance on weed biology, ecology, and spread.

Priorities from the local County Weed Districts:

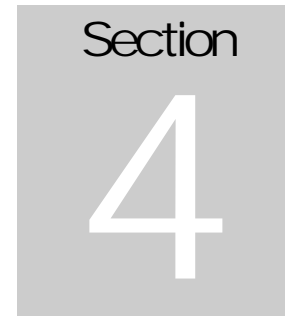
- Management of narrow leaved hawks beard in range, pasture, and crop.
- Re-vegetation after salt cedar and Russian olive removal.
- Noxious weed control in organic crops and pasture.
- Control methods for yellow toadflax.
- Cheatgrass control and management.
- Control options for noxious weeds in riparian areas.

Important Points to Remember:

- All grant applications must be postmarked by December 1, 2009. Grant proposals must have one original with 16 copies and an electronic copy of the grant application.
- Grant proposal request amount is limited to maximum of \$75,000. Grant proposals are considered and funded on a one-year basis.
- The project sponsor and project coordinator must be clearly identified. All correspondence will be addressed to the project coordinator.

NEW/CONTINUING - RESEARCH

- There is no reimbursement for costs incurred prior to final signing of the contract. The contract is effective upon the final signature(s) and date.
- Research projects can include chemical, non-chemical, biological, and integrated approaches. Creative proposals for investigating new techniques for weed management are encouraged.
- Matching Funds are not required for research grants, but may be included and go on the budget sheet (form NW-2A). “In-kind matches” or “Forgone IDC’s” are services or resources and go in the proposal narrative.
- Applicants cannot use grant funds to write grant proposals or reimburse travel expenses to attend grant hearings in support of their proposal(s) to the Noxious Weed Management Advisory Council.
- Please do not send the Herbicide or Seed Application sheet if you are not using them.
- Submit your grant forms and written narrative as outlined in the beginning of this section. This helps the Advisory Council review the many grant applications received in a fair manner and allows them to find information concerning your proposal quickly during the grant hearings.



New or Continuing – Education Projects

New or continuing education grant proposals must include:

1. **Noxious Weed Grant Program Application Cover Page (form NW-1A)**
– Do not attach any type of cover page or other material on top of this application form; do not bind the pages; staple the grant application in the upper left hand corner only.
2. **Cooperators/Agency List (form NW-1B)** – List grant participants and agencies involved in the education grant. Make additional copies if you need more room for the cooperators. Also, list the individual people or group that sent you letters of support.
3. **Budget Detail/Financial Narrative (form NW-2A)** – Requested grant funds and matching funds (in actual dollars) is on one page, which makes up your budget for your project. In-kind matches are services or resources and go in the proposal narrative. See the *instruction sheet* in the Grant Application Forms Appendix for more details on how to complete the budget form. Indirect costs are not paid with grant funds, but they may be counted as matching funds. *** Remember *** round all figures to the nearest dollar.
4. **Description of the Project** (written narrative) –

History – provide a brief history and magnitude of the weed education and awareness need;

Purpose – what is the desired outcome of this education project or what do you want to accomplish in one year. Also, provide a short summary on how this project could be used statewide along with a description of the tangible returns (something real or measurable) to the county or state.

Cooperative Participation – what has been accomplished prior to the

grant application, and what activities will they complete that are not covered by this grant;

Location of Project – describe where the education project will be located within your county or the size of area (county-wide, state-wide, regional, etc.) the education project will cover and the target audience;
Benefits – explain how your education project supports the state and county weed management plans; describe the benefits of this project and how it will enhance the common well-being of the people of Montana

5. **Specific Objectives and Methodology** –

Objectives – describe the specific objectives of your education project. Objectives should be measurable and timed based.

Plan of Work – describe all phases of this education project to complete the objectives of this grant proposal. Also include how this education and awareness project will be implemented to reach the people in your county or state-wide.

In-kind Activities – provide a narrative describing the planned in-kind contributions, such as agency labor that would be equivalent to in-kind match to be used in the project area.

Evaluation – describe how you will monitor and measure the success of this education project. Long-term evaluation should be discussed for your education project.

6. **Time Schedule** – describe the time schedule for beginning and completing all phases of the education project.

Important Points to Remember:

- All grant applications must be postmarked by December 1, 2009. Grant proposals must have one original with 16 copies and an electronic copy of the grant application.
- Grant proposal request amount is limited to maximum of \$75,000. Grant proposals are considered and funded on a one-year basis.
- The project sponsor and project coordinator must be clearly identified. All correspondence will be addressed to the project coordinator.
- There is no reimbursement for costs incurred prior to final signing of the contract. The contract is effective upon the final signature(s) and date.
- Education projects are not required to have a 50:50 match on the budget detail/financial narrative form. However, some match is encouraged for your education project. Do address any in-kind match in the narrative description.

NEW/CONTINUING - EDUCATION

- Applicants cannot use grant funds to write grant proposals or reimburse travel expenses to attend grant hearings in support of their proposal(s) to the Noxious Weed Management Advisory Council.
- Please do not send Herbicide/Seed Application sheets with any Education grant proposal.
- Submit your grant forms and written narrative as outlined in the beginning of this section. This helps the Advisory Council review the many grant applications received in a fair manner and allows them to find information on your grant quickly during the grant hearings.

NOTES:



Grant Application Forms and Herbicide Pricing Schedule

APPLICATION - COVER PAGE - 2010

Good for the Period July 2009 through June 2010 – (one year funding only)

Project Coordinator _____ E-mail Address _____ Phone Number _____

Address: Street or Box _____ City _____ State _____ Zip Code _____ County _____

Project Sponsor _____ E-mail Address _____ Phone Number _____

Address: Street or Box _____ City _____ State _____ Zip Code _____ County _____

Presenter for the Noxious Weed Trust Fund Hearings (March 1-5, 2010): _____

\$ _____	_____	\$ _____	\$ _____	\$ _____	\$ _____
Weed Budget-1Mill	Mills Levied	Total Mill Levy	General Fund	Other Revenues	Total Weed Control Budget

NWTF Grants should not be considered as Other Revenues

PROJECT INFORMATION (Do not reference project write-up, this section must be completed.)

Project Title:
Brief Project Description:

NEW Trust Fund grant project? **Continuing/Previously funded grant project?**

Project Type (check one):

Is This Project Also:

Local Coop: _____	Education: _____	Research: _____	Mapping: _____	Grazing: _____	Biological: _____
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APPLYING FOR:

Yes No **Special General Funding:**

Yes No **Cooperative Forestry Assistance Funding:**

How many years will this project require Trust Fund support?

One ; Two ; Three ; Four ; Other _____

Current Grant Request:

<i>ROUND TO THE NEAREST DOLLAR</i>	2010 Grant Budget
Total Grant Funds \$75,000 maximum	\$ _____
Total Matching Funds	\$ _____
TOTAL PROJECT COST	\$ _____

List previously funded grants for this project. Include MDA grant number, amount received, and total NWTF funding.

MDA # _____	\$ _____	MDA # _____	\$ _____	MDA # _____	\$ _____
MDA # _____	\$ _____	MDA # _____	\$ _____	MDA # _____	\$ _____
MDA # _____	\$ _____	MDA # _____	\$ _____	Total Amount Funded	\$ _____

Signature (use blue ink)

Title of Authorized Representative

Date

BUDGET DETAIL/FINANCIAL NARRATIVE
GRANT FUNDS and MATCHING FUNDS – 2010

Form NW-2A (6-09)
(NO In-Kind Match)

(Actual dollar amounts only)

Expense Category	Grant Funds	Matching Funds	Financial Narrative - Be Specific (see Grant Guidelines)
Salaries <i>(Research Projects)</i>	\$ (Grant funds)		
		\$ (Matching)	
Benefits <i>(Research Projects)</i>	\$ (Grant funds)		
		\$ (Matching)	
Contracted Services	\$ (Grant funds)		
		\$ (Matching)	
Supplies & Materials	\$ (Grant funds)		
		\$ (Matching)	
Communications	\$ (Grant funds)		
		\$ (Matching)	
Travel	\$ (Grant funds)		
		\$ (Matching)	
Equipment		\$ (Match only)	
Other Expenses	\$ (Grant funds)		
		\$ (Matching)	
TOTALS	\$	\$	TRANSFER TOTALS TO COVER PAGE (FORM NW-1A)

**Instructions for Completing
Budget Detail / Financial Narrative (Form NW-2A)
WORD FORM INSTRUCTIONS**

Requested Grant Funding and Matching Funds in **Actual Dollars**
There is only one page for the budget of your project. Do not include any in-kind match.

Round all figures to the nearest dollar.

1) Expense Category:

- Salaries and Benefits** – for research projects.
- Contracted Services** – for commercial applicator work or hired contractor for the project (mapping, surveying, education, sheep herder, etc.).
- Supplies & Materials** – for herbicides applied by the landowner, educational materials, and other supplies (not commercial applicator herbicide cost).
- Communications** – for phones, large mailings, etc.
- Travel** – for traveling to and from research plots, project areas, etc.
- Equipment** – use equipment purchased for the project as matching dollars on the budget sheet. The Trust Fund will not fund equipment for your project.
- Other Expenses** – expenses not in the above categories.

2) Financial Narrative:

- Salaries and Benefits** – define the number of staff and how those staff members will get funded. Example: Research tech – \$2,650 for 6 weeks of lab testing.
- Contracted Services** – the dollar amount for this category should come from the Herbicide and Application Cost Summary sheet for commercial application cost share (the total from column J). Keep the herbicide and application costs together in contracted services for commercial application. Example: commercial application for 6 landowners \$4,225.
- Supplies & Materials** – for herbicides applied by the landowner. The dollar amount for this category should come from the Herbicide and Application Cost Summary sheet for private application cost share (the total from column H). Example: herbicide cost share for 22 landowners \$13,600.
- Communications, Travel, Equipment, and Other Expenses** – provide detail on how many mailings and the cost, how many miles will be traveled at what mileage rate for a total cost, what type of equipment will be purchased and the cost, and any other detail that would be helpful for the Advisory Council.

Describe actual **matching funds** and their sources. Examples – MT Department of Transportation - \$2,000; 13 landowners - \$5,500; railroad - \$500; etc. Please keep the new budget detail form to one page. If you need more space for all the matching funds detail please use additional paper.

NOTE: Project sponsors must be sure that Montana's Prevailing Wage Law is followed regarding wages in excess of \$25,000 that are paid to project contractors. Contact your county attorney, or a Prevailing Wage Compliance Officer at the Labor Standard Bureau (800-541-3904 or 406-444-4503) to ensure full compliance.

Do Not include this page with the Grant Application

HERBICIDE AND APPLICATION COST SUMMARY SHEET

Private Application Cost Sheet (use total from "column H" for **Supplies & Materials** on the Budget Sheet)

A Active Ingredient	B Rate Per Acre	C Application Type	D Weed(s) to be Treated	E Product Cost/Acre	F Acres Treated	G Total \$ Amount	H 50% Cost Share
<i>Example</i> Picloram + 2,4-D	1 qt each	2	7	\$25	400	\$10,000	\$5,000
Totals:							

Commercial Applicator Cost Sheet (use total from "column J" for **Contracted Services** on the Budget Sheet)

A Active Ingredient	B Rate Per Acre	C Application Type	D Weed(s) to be Treated	E Product Cost/Acre	F Application Cost/Acre	G Total E & F	H Acres Treated	I Total \$ Amount	J 50% Cost Share
<i>Example</i> Picloram+2,4D	1 qt each	2	7	\$25	\$15	\$40	400	\$16,000	\$8,000
Totals:									

Total Acres in Project:

Total Treated Acres in Project:

CODE LIST FOR APPLICATION TYPE (use in column C)
1. Aerial
2. Ground Broadcast
3. Spot Treatment
4. Other: _____

CODE LIST FOR WEEDS List all that apply (use in column D)		
1. Spotted Knapweed	12. St. Johnswort	23. Tamarisk (Saltcedar)
2. Diffuse Knapweed	13. Sulfur Cinquefoil	24. Perennial Pepperweed
3. Russian Knapweed	14. Common Tansy	25. Yellow Starthistle
4. Canada Thistle	15. Ox-Eye Daisy	26. Common Crupina
5. Field Bindweed	16. Houndstongue	27. Rush Skeletonweed
6. Hoary Cress (Whitetop)	17. Dyers Woad	28. Yellow Flag Iris
7. Leafy Spurge	18. Purple Loosestrife	29. Eurasian Watermilfoil
8. Dalmatian Toadflax	19. Tansy Ragwort	30. Flowering Rush
9. Yellow Toadflax	20. Orange Hawkweed	31. Japanese Knotweed
10. Hoary Alyssum	21. Meadow Hawkweed	32. Scotch Broom
11. Blueweed	22. Tall Buttercup	
33. Other (specify) _____		

One Year Funding: 2010

SEED AND APPLICATION COST SUMMARY SHEET

Landowner Reseed Application Cost Sheet

A Seed Mixture to be Used	B Rate/Acre	C Type of Application (see code list below)	D Seed Cost/Acre	E Acres to be Seeded	F Total Amount (Multiply E x F)	G 50% Cost Share
(Example) Great Northern seed mix	15 Lbs/Acre	2	\$40.00/Acre	75 Acres	\$3,000	\$1,500

Commercial Reseed Application Cost Sheet

A Seed Mixture to be Used	B Rate/ Acre	C Type of Application (see code list below)	D Seed Cost/Acre	E Application Cost/Acre	F Total D&E	G Acres to be Seeded	H Total Amount (Multiply F x G)	I 50% Cost Share
(Example) Great Northern	15 Lbs/Ac	2	\$40	\$10	\$50	75	\$3,750	\$1,875

**CODE LIST FOR
APPLICATION TYPE**
(use in column D)

1. Aerial
2. Ground Broadcast
3. Spot Treatment
4. Other: _____

Total acres in project:

Total acres targeted for seeding:

List the plant species in the seed mix:

One Year Funding: 2010

Instructions for Completing Herbicide and Application Cost Summary Sheet (Form NW-3A) WORD FORM INSTRUCTIONS

Private Application Cost Sheet, the top portion on the *Herbicide and Application Cost Summary Sheet*, is **used if private landowners will be applying herbicides themselves**.

Column A: List products by active ingredient and combine products with the same active ingredient that will be applied to the project area by the landowner.

Column B: List the rate per acre at which the product will be applied (e.g. 1 pint, 1 quart, etc. do not use a range)

Column C: Using the code numbers (1-4) from the Code List for Application, list the method that will be used to apply the product.

Column D: Using the code numbers (1-32) from the Code List for Weeds, list the weed(s) in the project area that will be treated. If a county listed noxious weed is to be controlled, please specify the weed name.

Column E: List the dollar amount that the product will cost per acre.

Column F: List the total number of acres that will be treated in the project area.

Column G: Multiply the number of acres to be treated (Column F) by the cost per acre (Column E).

Column H: Divide the amount in Column G by 2.

Commercial Application Cost Sheet, the lower portion on the *Herbicide and Application Cost Summary Sheet*, is **used if commercial applicators will be applying the herbicides**.

Column A: List products by active ingredient and combine products with the same active ingredient that will be applied to the project area by the landowner.

Column B: List the rate per acre at which the product will be applied (e.g. 1 pint, 1 quart, etc. do not use a range)

Column C: Using the code numbers (1-4) from the Code List for Application, list the method that will be used to apply the product.

Column D: Using the code numbers (1-28) from the Code List for Weeds, list the weed(s) in the project area that will be treated. If a county listed noxious weed is to be controlled, please specify the weed name.

Column E: List the dollar amount that the product will cost per acre.

Column F: List the dollar amount that it will cost to apply the product per acre.

Column G: To calculate the amount per acre cost, add the herbicide cost per acre (Column E) and the application cost per acre (Column F).

Column H: List the total number of acres that will be treated in the project area.

Column I: To calculate the total amount for the project, multiply Column G by Column H, this will give you the total cost for the products and application cost.

Column J: Divide the figure in Column I by 2, this will give you your 50% cost-share. This figure should be listed on Form NW-2A in the Contracted Services line.

Do Not include this page with the Grant Application

State of Montana 2009 Herbicide Price

Active Ingredient	Trade Name-State Bid	Other trade names	Quantity/Size	Cost
Amine 24D	Platoon	Amine 4	2.5 gallon/30 gallon	\$12.10/gal-2.5 gal \$11.95/gal- 30 gal
Aminopyralid	Milestone		2.5 gallon	\$290/gallon
Aminopyralid 24D	Forefront R & P		2.5 gallon	\$49.50/gallon
Aminopyralid Metsulfuron	Chaparral			Not listed on State Bid
Chlorsulfuron	Telar		16 oz	\$16.85/oz
Clopyralid	Transline	Clean Slate	2.5 gallon	\$210/gallon
Clopyralid 24D	Curtail		2.5 gallon	\$40.60/gallon
Dicamba	Rifle		2.5 gallon	\$41.85/gallon
Diflufenzapyr Dicamba	Overdrive		7.5 lb	\$34.20/lb
Ester 24D		LV 6		Not listed on State Bid
Glyphosate	Roudup Pro		2.5 gallon	\$40.15/gallon
Glyphosate Aquatic	Aqua Neat	Rodeo, Glyphomate	2.5 gallon	\$38.75/gallon
Imazapic	Plateau		1 gallon	\$210/gallon
Imazapyr	Arsenal	Polaris	2.5 gallon	\$125/gallon
Metsulfuron Methyl	Escort XP		8 oz	\$8/oz
Picloram	Tordon/Outpost		2.5 gallon	\$94/gal-Tordon \$56.25/gal Outpost
Triclopyr Amine	Garlon 3A		2.5 gallon	\$65.20/gallon
Triclopyr Ester	Remedy Ultra		2.5 gallon	\$84/gallon
ADDITIVES				
Foam Buster	Fighter F		1 gallon	\$20.48/gallon
Hi Lite Blue Dye	Hi Light		2.5 gallon	\$35.60/gallon
Methylated Seed Oil	MSO Concentrate		2.5 gallon	\$10.25/gallon
R11	Spreader 90		1 gallon	\$10.05/gallon
Syltac	Phase		2.5 gallon	\$27.50/gallon
Basal Bark Oil	Bark Oil Blue LT		2.5 gallon	\$10/gallon

Environmental
Assessment Worksheets
& Resource
Information

ENVIRONMENTAL ASSESSMENT WORKSHEETS

Please answer each question on this worksheet. Use additional pages if needed.

- 1) **GENERAL VEGETATION TYPE:** This section should address impacts on non-target vegetation in the project area.
 - a. Describe the general type of vegetation that is present in the project area such as forest, grassland, shrub/grassland, pasture, cropland or residential. List key species associated with each habitat type. Identify non-target vegetation of concern.
 - b. Herbicide applications, grazing, burning, and mechanical control methods all impact non-target vegetation. Please describe how the effects of proposed weed control actions will be mitigated.

DESCRIPTION:

MITIGATION:

2) **SOILS:** This section should address the types of soils in the project area.

Submit a soils map with the highlighted at risk soils within the project area outlined on the map.

Describe major soil types and characteristics within the project.

For example, if your project has a gravely shallow site that is susceptible to leaching or highly erodible soil, highlight it on the map and address how potential leaching or erosion will be minimized by herbicide choice or implementing other control methods. Some types of soils are susceptible to herbicide leaching or erosion due to mowing or grazing, etc.

To determine if you have at risk soils in your project request a WINPEST report from your local Natural Resources and Conservation Services office.

DESCRIPTION:

MITIGATION for at risk soils:

- 3) **SURFACE AND GROUND WATER:** This section should address potential impacts to water in the project area.

Identify and describe the types of surface water found in the project area, i.e., ponds, wetlands, lakes, intermittent streams, and/or perennial streams. Provide practices that will be used to reduce impacts to surface waters in the project area.

Submit a well log and a map highlighted with wells less than 50 feet deep in the project area. Areas with wells less than 50 feet deep generally indicate that there is shallow ground water in the area which may be vulnerable to herbicide leaching. If there are any known areas with shallow ground water that do not have any well information, highlight or describe these areas as well. Describe practices that will be used to minimize herbicide leaching in areas with shallow ground water.

In addition, provide what measures will be used to protect well heads within herbicide treatment areas in the project area from potential negative impacts.

DESCRIPTION:

MITIGATION:

- 4) **AIR QUALITY:** This section should address the impacts on air quality in the project area.

Please describe how the air quality in the project area may be impacted and how these impacts will be mitigated. (For example, if burning or soil tillage operations will be used, describe how you would prevent or lessen the impact of the smoke or dust; for herbicide operations include a similar statement in your description: “*herbicide applications do effect the air quality on a temporary basis*” and explain how you will lessen the effects of drift including wind and temperature (volatility of the herbicide).

DESCRIPTION:

MITIGATION:

- 5) **FISH AND WILDLIFE HABITAT:** This section should address the potential for effects from weed control actions on fish and wildlife habitat.

Describe the physical features (terrain, slope, plant cover) of the habitat of fish and/or wildlife species currently using the project area, including critical habitat, such as calving areas, winter range, and streams with high fisheries value in the project area (or note the lack of water resources). Species may include big game such as elk and antelope, upland game birds such as sage grouse and sharp-tail grouse, and non-game birds such as long-billed curlew, western meadowlark, and sage thrasher.

Provide measures your participants and contractors will implement to reduce or remove the negative impacts (ATV tracks is a concern for nesting birds, trampling from grazing, disturbed ground from tillage, etc.) of the proposed weed control methods on the described fish and wildlife species within the project area. For example, include revegetation as a type of mitigation where weed monocultures will be treated; address any potential erosion or increased sediment loads to streams within the treatment area; and the results to the habitat due to the treatment (increased grass, less sagebrush or forbs, better competition, etc.)

For grazing projects - All sheep/goat grazing projects are required to consult with the Montana Fish, Wildlife and Parks Department (FWP) prior to project implementation due to possible conflict 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. Please describe what steps you have in place to address this issue within your project area.

DESCRIPTION:

MITIGATION:

- 6) **THREATENED, ENDANGERED, OR SPECIES OF CONCERN:** This section should address effects on species listed under the Federal Endangered Species Act or state Species of Concern as listed by the Montana Natural Heritage Program (NHP) in the project area.

Submit a letter, a list of Threatened, Endangered Species (TES) or Species of Concern (SOC), and a map from the Natural Heritage Program that shows the presence of TES/SOC species or their absence in relationship to weed control sites.

If a TES/SOC species occurs on or near a project area, will the use of an herbicide, grazing, tillage, or other control action for noxious weed management have an adverse, positive, or neutral effect?

- Discuss: 1) which species would not likely be impacted by the weed control and why; 2) which species could be impacted, but because of the project details will likely not be impacted (include considerations such as timing of application in relation to migratory bird movement, application site within the project area with regard to aquatic species, etc.); and 3) which species could be impacted by the weed control and requires mitigation.

Provide measures that will be taken to reduce or remove negative impacts to the identified TES or SOC identified in the above section (# 3). For example: changing the timing of an application so that it does not overlap with a breeding season, getting the known coordinates of listed plant species so that aerial applicators can avoid spraying those known populations, providing training to participating landowners on TES or SOC species identification, etc. Remember, only include mitigation measures in the EA that will actually be followed during the grant.

DESCRIPTION:

MITIGATION:

- 7) **HISTORICAL AND ARCHEOLOGICAL SITES:** This section should address impacts on historical and archeological resources in the project area.

A local historical society or the Montana Historical Society should be able to provide information on local features of historical or archeological importance to the area. Please provide a letter from either of these sources with the information they provided.

Burning and some mechanical weed control methods may cause impacts to historical and archeological sites. Please indicate how these impacts will be reduced or the negative impacts will be removed.

DESCRIPTION:

MITIGATION:

ENVIRONMENTAL ASSESSEMENT RESOURCES

Environmental information should be submitted only with the original grant application. Additional copies of the environmental information are not required. All potential impacts should have a statement explaining how these impacts will be **MITIGATED**. Mitigation statements must be included on the Environmental Assessment (EA) Worksheets.

Assistance in developing this information can be requested through the Montana Department of Agriculture with the six specialists that review specific sections of the EA. The following contact information is for the MDA specialist and the EA section they are responsible for reviewing and approval of their specific EA section.

Vegetation Type

Stacey Barta, Grant Coordinator: 406-932-4251 or sbarta@mt.gov

Soil Type and Water Resources

Christian Schmidt, Hydrologist: 406-444-3271 or cschmidt@mt.gov and

Rick Mulder, Hydrologist: 406-444-5422 or rmulder@mt.gov

Threatened, Endangered or Species of Concern

Amy Bamber, Groundwater Program Manager: 406-444-3676 or abamber@mt.gov

Air Quality and Fish and Wildlife Habitat

Tonda Moon, Weed Specialist: 406-444-7819 or tmoon@mt.gov

Historical and Archeological Sites

Kim Johnson, Grant Coordinator: 406-444-1517 or kijohnson@mt.gov

► Department staff time may be limited, so ***start early (October)***.

When submitting environmental information, please use the Environmental Assessment Worksheets at the start of this section. Requirements for Environmental Information from the Noxious Weed Trust Fund Final Programmatic Environmental Impact Statement [May, 1992] include:

Chemical Weed Control Programs

1. *Vegetation Type*
2. *Soil Type*
3. *Water Resources*
4. *Air Quality*
5. *Fish and Wildlife Habitat*
6. *Threatened, Endangered or Species of Concern*
7. *Historical and Archeological Sites*

Non-Chemical Weed Control Programs (sheep/goat grazing, mechanical, and cultural projects)

1. *Vegetation Types*
2. *Threatened, Endangered or Species of Concern*
3. *Fish and Wildlife Habitat*
4. *Historical and Archeological Sites*

In all cases, you may contact your local county weed district, local county extension agent, local conservation district, Natural Resource Conservation Service (formerly SCS), and Montana State University for additional help.

1) GENERAL VEGETATION TYPE: This section should address impacts on non-target vegetation and terrestrial and aquatic life and habitats.

How to get the information: internet, Extension guides and bulletins, local specialists.

Useful websites: www.nris.mt.gov

Resources:

MT Natural Heritage Program
1515 East 6th Ave.
P.O. Box 201800
Helena, MT 59620-1800
Phone: 406-444-3009
Contact: Allan Cox

Local County Extension Office
Local Conservation District
U.S. Forest Service (local office) Range Resource person
Bureau of Land Management (local office) Rangeland

2) SOILS: This section should address the types of soils and geology in the area and their susceptibility to leaching of herbicide and vulnerability to mowing and grazing, which may lead to erosion. Do not send your entire County's soil survey, only the project area.

How to get the information: soil surveys, internet, local and agency specialists or contacting your local NRCS office and ask for a WINPEST report (Windows Pesticide Screening Tool).

Useful websites: www.nris.mt.gov, <http://websoilsurvey.nrcs.usda.gov/app/>,
<http://www.mt.nrcs.usda.gov/soils/mtsoils/index.html>

Resources:

Natural Resources Conservation Service (local office)
USFS local office
County Extension Office (local office)

3) SURFACE AND GROUND WATER: This section should address water quality, quantity, and distribution.

How to get the information: internet, local and agency specialists.

Useful websites: www.nris.mt.gov,

Resources:

MT Bureau of Mines and Geology
Ground Water Information Center
Butte, MT 59701
Phone: 406-496-4336

DNRC Water Resources Division
9th Avenue [PO Box 201601]
Helena, MT 59620-1601
Phone: 406-444-6601

MT Dept. of Environmental Quality
Planning, Prevention, & Assistance Div.
Impacts Assessment Bureau
P.O. Box 200901
Helena, MT 59620-0901
Phone: 406-444-5310

Montana State University
Extension Service
Leon Johnson Hall
Bozeman, MT 59717
Phone: 406-994-3515

4) AIR QUALITY: Please describe how the air quality in the project area may be impacted and how these impacts will be mitigated. For example: If burning, soil tillage, or herbicide operations will be used, describe how you would prevent or lessen the impact of the smoke, dust, or drift to the adjoining property owners. **Note:** herbicide application temporarily reduces air quality.

5) FISH AND WILDLIFE HABITAT: This section should address the potential for effects from weed control actions on the habitat of the wildlife species in your project.

How to get the information: Start by calling or making a one-on-one visit with the local Fish, Wildlife and Parks (FWP) Biologist to help identify the common wildlife species in your project area. Another alternative resource is to contact Joe Weigand with FWP in Helena, MT.

Useful websites:

Montana Field Guide - <http://fieldguide.mt.gov> A useful guide that provides information on identification, habitat, ecology, reproduction, range, and distribution of animals in Montana.

Resources:

Joe Weigand	
Landowner/Wildlife Resource Specialist	US Forest Service (local office)
Montana Fish, Wildlife & Parks	FWP local biologist
1420 East 6 th Avenue	Bureau of Land Management (local office)
P.O. Box 200701	
Helena, MT 59620-0701	
Phone: 406-444-3065	

6) TES - THREATENED, ENDANGERED OR SPECIES OF CONCERN: Effects on species listed under the Federal Endangered Species Act or species listed as sensitive by the Montana Natural Heritage Program.

How to get the information: internet, local wildlife biologist, Extension office

Useful websites: www.nris.mt.gov, <http://plants.usda.gov/threat.html>,

Resources:

MT Natural Heritage Program	U.S. Forest Service (local office)
1515 East 6 th Avenue	Bureau of Land Management (local office)
P.O. Box 201800	
Helena, MT 59620-1800	
Phone: 406-444-5354	

7) HISTORICAL AND ARCHEOLOGICAL SITES: A local historical society or the Montana Historical Society should be able to provide information on local features of historical or archeological importance to the area.

Resources:

Montana Historical Society	Local County Museum
1410 8 th Ave.	
P.O. Box 201202	
Helena, MT 59620-1202	
Phone: 406-444-2694	

NWTF Application Check List – 2010

NEW Local Cooperative

- Application Cover Page
- Cooperator/Agency List
- Budget Sheet
- Herbicide/Application Sheet
- Seed/Application Sheet (if applicable)
- Description of the Project
 - o History, Purpose, Cooperative Participation, Location of Project, Benefits and Funding Options
- Specific Objectives & Methodology
 - o Objectives, Plan of Work, Natural/Renewable Resources Effect, Education Program, In-Kind Activities, and Evaluation
- Time Schedule
- Project Map
- Supporting Documents (if applicable)
- Environmental Information* (include only with original grant application)
- Environmental Assessment Worksheets
- Maps
 - o Surface & Groundwater
 - o Soils Type
 - o Threatened & Endangered Species
- Letters
 - o MT Natural Heritage Program
 - o MT Historical Society
- Lists
 - o Well locations
 - o Fish & Wildlife Species
 - o Threatened, Endangered, or Species of Concern

Continuing Local Cooperative

- Application Cover Page
- Cooperator/Agency List
- Budget Sheet
- Herbicide/Application Sheet
- Seed/Application Sheet (if applicable)
- Description of the Project
 - o Project History, Activities Completed to Date, Purpose, Benefits, Funding Options
- Specific Objectives & Methodology
 - o Objectives, Plan of Work, Natural/Renewable Resources Effect, Education Program, In-Kind Activities, and Evaluation
- Time Schedule
- Project Success
- Project Map
- Environmental Information
(only if you are adding land outside of your original project boundary)

**Grant Deadline
Postmarked by:
December 1, 2009**

**Submit one original application,
16 copies, and an electronic
copy of the grant application.**

New/Continuing Research

- Application Cover Page
- Cooperator/Agency List
- Budget Sheet
- Herbicide/Application Sheet -if applicable
- Seed/Application Sheet -if applicable
- Description of the Project
 - o History, Purpose, Cooperative Participation, Location of Project, and Benefits
- Specific Objectives & Methodology
 - o Objectives, Plan of Work, In-Kind Activities, Evaluation, Data Analysis, and Dissemination
- Time Schedule

New/Continuing Education

- Application Cover Page
- Cooperator/Agency List
- Budget Sheet
- Description of the Project
 - o History, Purpose, Cooperative Participation, Location of Project, and Benefits.
- Specific Objectives & Methodology
 - o Objectives, Plan of Work, In-Kind Activities, and Evaluation
- Time Schedule