

2009 Application
Mesa County Cost-Share for Control of Noxious Weeds

Please read thoroughly and fill out the Application carefully and completely. Incomplete applications will not be processed.
Questions can be directed to Jude Sirota, Mesa County Pest Inspector, (970) 255-7120.

1. This application is for a cost-share for treatment of **noxious weeds** only (see attached list). Treatment of other weeds is not covered. Weeds should be identified by the Mesa County Pest Inspector (970-255-7120), Colorado State University Cooperative Extension agents (970-244-1834), Natural Resource Conservation Service (970-242-4511 ext. 3) or other qualified weed specialists.
2. Applications should be submitted as early as possible before the deadlines of **March 15, June 15 and September 15, 2009**. Only one application per year is necessary. There is NO deadline for species on List A. Eligible weeds may be treated prior to approval of this Application as long as effective chemicals, appropriate chemical rates and timing of treatment have been followed and treatment has occurred within the current year (2009). Due to limited funding, no guarantee is made that the Application will be approved for treatments done prior to approval.
3. Eligible weeds may be treated by the property owner or their assignee, or by a licensed pesticide applicator. Mesa County will pay 50% of the total cost for herbicide, adjuvants, and surfactants and professional certified operator application, AND/OR 100% of labor for mechanical control, if appropriate (assessed at \$5/hour), up to \$500 paid out by the County per property. Although property owners may personally apply herbicides to the noxious weeds, or utilize any agent for application purposes, reimbursement for labor costs for herbicide application shall only apply to a licensed commercial pesticide applicator. Any use of a property owner's employee for herbicide application purposes shall not be reimbursable.
4. Limited tax dollars available for this Cost-Share Program will be used in the best manner possible. Therefore, ineffective materials, incorrect rates, improper timing, and applications not consistent with the herbicide label will not be cost-shared. Recommendations for control can be obtained from Colorado State University Fact Sheets, the Mesa County Pest Inspector, the Natural Resources Conservation Service, product labels, or qualified weed control specialists.
5. Participants must treat eligible weeds on all areas of their property, including private roadsides, field accesses, fence lines, field corners, ditches and waste areas as well as producing fields, unless prior arrangements are made with the Mesa County Pest Inspector. Large infestations may need to be treated in phases, which should be indicated in the Noxious Weed Management Plan.
6. Only properties on the Mesa County property tax rolls are eligible for Cost-Share Funds.

A COMPLETE APPLICATION INCLUDES:

- 1. A completed Application Form including all necessary information and signatures (page 1).
- 2. A completed Noxious Weed Management Plan (page 2).
- 3. A map of the property with location of infestations indicated.
- 4. A completed, signed and witnessed "Mesa County Noxious Weed Control Cost Share Agreement" (pages 3-4).

DEADLINES: The deadlines for submitting an Application for cost-share funds are **March 15, June 15 and September 15, 2009**. Applications will be accepted at any time before the deadlines. Applications to control weeds on "List A" of the Prioritized Noxious Weed List will be accepted and evaluated any time during the year. Once you receive notice of approval of your application, you have until **November 15, 2009** to turn in your original receipts. *Please copy the receipts if you need them for your records.*

NOTIFICATION OF APPROVAL

1. Applications will be evaluated by the Mesa County Weed Advisory Board and the Mesa County Pest Inspector using a priority rating system based on completeness of the Application, adequacy of the Noxious Weed Plan, and target weeds.
2. A photocopy of the signed and dated Application and Agreement will be mailed to you indicating approval. Originals will be kept at the Pest Inspector's office. Applications not approved for cost-share will be so marked and returned.
3. After your original receipts have been turned in, your reimbursement cost-share check will be processed by the Mesa County Finance Department.

REASONS FOR DISQUALIFICATION

1. Attempting to defraud the program in any manner.
2. Applying herbicides inconsistent with the product label (over or under labeled rates or on unapproved sites).
3. Using program materials on lands outside of the program guidelines.
4. Failure to follow the Noxious Weed Management Plan.
5. Using cost-share funds to control weeds other than those that are eligible, except where they co-exist with eligible weeds.

Make copies of the Application and keep a copy of your receipts for your records. Keep this sheet for further reference.
Late applications or receipts will not be accepted or processed without prior approval of the Mesa County Weed Advisory Board.

Send application and original receipts to:
Mesa County Division of Pest Management
P.O. Box 20,000-5025, Grand Junction, CO 81502-5025.

Instructions

for Completing the Noxious Weed Cost Share Application, Weed Plan and Agreement

Check the **Prioritized Noxious Weed List for Management on Private Property** included in this application to make sure the weeds you have are eligible for this program. You must have *at least one* of the listed weeds to be eligible.

Noxious Weed Management Plan

- 1) Fill in landowner information, including name, address, phone number and Land User's name and phone number (if applicable). Check who to contact.
- 2) List target weeds: use accepted common names or scientific names and indicate who identified the weeds for you.
- 3) Check all areas of your property that have the listed weeds and all of the methods that you plan to use. Methods should be acceptable for the species that you are controlling. For example, it is effective to use mechanical control for musk or bull thistle, but mechanical control is not acceptable for Russian knapweed control. Check the box if you plan to use a professional applicator. Fill in the applicator's name if you know it.
- 4) Land Use:
 - a. Your Land use objectives: Briefly describe your plans for the infested property. Weed management tactics alone will not eliminate the weeds. Proper revegetation, fertilization and irrigation are critical to restoring the land.
 - b. Neighboring Land Use: Briefly describe what types of land uses surround your property. This has bearing on the methods you might use to control weeds on your property.
- 5) List any weed related workshops you have attended. Several workshops are offered locally each year by the Division of Pest Management, CSU Extension, Natural Resource Conservation Service and others. Training in weed management increases the chances of successful weed control.
- 6) Read the agreement paragraph and sign and date at the bottom. The Inspector will sign the form when the application is approved.

Noxious Weed Management Plan - Table

The Noxious Weed Management Plan table is the most important part of the Application. It is intended to help you develop a management plan for the current and possibly subsequent years. It gives you the opportunity to think through the whole process of weed management and provides a timetable for the work to be done.

1) Weed Treatment Plan

- a. **Target Weed:** List the common name and/or scientific name of the target weed or weeds.
- b. **Management Method:** The management method **MUST** be an accepted, effective measure for the weed you are trying to control. List all methods intended to be used.
 - i. **Chemical** control is the use of herbicides, whether they are traditional herbicides (e.g. Roundup) or alternatives such as vinegar or corn gluten. The herbicide you use must be effective for control of the weeds you have listed.
 - ii. **Mechanical** control is generally effective only for annual and biennial weeds. Controls include tillage, hoeing, hand grubbing, chopping, etc.
 - iii. **Biological** control is the use of grazing animals (sheep, goats, cattle), diseases, or insects whose feeding on the weeds decreases its productivity. Biological control usually will not eradicate a weed, it will only reduce the population and/or stop it from reproducing. Biological control is not reimbursable under this Application.

(continued)

- iv. **Cultural** Controls include planting competitive plants, proper irrigation, fertilization and general good land stewardship practices.
 - c. **Herbicide Recommendation:**
 - i. **Product:** Select an herbicide that effectively controls the weed species you are targeting. Herbicide recommendations should be confirmed by a professional.
 - ii. **Rate:** List the rate as recommended or as listed on the label.
 - iii. Rates are given either as an amount per acre (for broadcast spraying) or an amount per gallon of spray (for spot spraying).
 - iv. **DO NOT USE MORE OR LESS THAN THE LABELED RATE! The label is the LAW. Effective weed management is based on using the RIGHT herbicide at the RIGHT time at the RIGHT rate.**
 - d. **Timing/Growth Stage:** List the approximate time (month) or specific growth stage (bud/bloom, seedling, etc.) the weed will be treated. It is critical that each weed species be treated at a specific time of the year or at a specific growth stage for effective control.
- 2) **Surfactants and adjuvants:** These are additives to the spray tank that help the herbicide penetrate, spread on or stick to the leaf surface, making the herbicide more effective. **Many herbicides require an additive.** Check the label for the type of additive or ask your herbicide dealer. The program covers costs for these products.
 - 3) **Phased Management Plan:** If the infestations on your property are too large, treatment may need to be done over a long period of time, perhaps several years. Prioritize the areas to be treated. Small infestations should be treated first. Ditches, ponds, and other water sources should be a high priority for treatment. Treating the outer perimeter of large infestations rather than the entire infestation should keep the infestation from getting larger; continue to treat the weeds from the edges to the center. See above information on management methods and treatment timing.
 - 4) **Revegetation/Seeding:** A weed management plan will not be successful unless some type of competitive vegetation can be established. This may not be feasible in all areas of your property. Where it is appropriate, list the area to be seeded, the plant species you will use, time (month) and method of planting (direct drilling, interseeding, broadcast), and other land management processes you will use (such as irrigation, fertilization, soil amendments).
 - 5) A **MAP** of your property **MUST** be attached, with the weed species identified and locations marked. This can be a hand drawn map, an aerial photograph (available through Mesa County Pest Management or the County GIS web site) or plat map.

Mesa County Noxious Weed Control Cost Share Agreement

- 1) **READ THIS DOCUMENT THOROUGHLY.**
- 2) Fill in your name and address in the blanks at the top of the form.
- 3) Under the second "WHEREAS" fill in the location of the property on the line provided.
- 4) On the second page, fill in the date, month and year you signed the agreement.
- 5) Both the landowner and a witness must sign the agreement and print their name underneath. The Inspector will sign the agreement after approval of the Application.

Please do not hesitate to call the Mesa County Division of Pest Management at 255-7120 for assistance with your application.

2009 Noxious Weed Management Plan

	Rating
1) Property Owner(s): _____ Address/Location of Infested Property: _____ Mailing Address of Property Owner: _____ City/Town/Zip: _____ Phone No. _____ Email address: _____ Land User: _____ Phone No. _____ Contact: <input type="checkbox"/> Landowner <input type="checkbox"/> Land User	
2) Target Weed(s): _____ Who identified the weed(s)? _____	
3) Where do the weed(s) occur (check all that apply)? <input type="checkbox"/> Ditch, waterway, roadside or corral <input type="checkbox"/> Rangeland <input type="checkbox"/> Irrigated pasture <input type="checkbox"/> Isolated or scattered patches <input type="checkbox"/> Non-irrigated pasture <input type="checkbox"/> Utility right-of-way <input type="checkbox"/> Other (describe): _____	
Method(s) of treatment (check all that apply): <input type="checkbox"/> Herbicide <input type="checkbox"/> Revegetation <input type="checkbox"/> Mechanical <input type="checkbox"/> Grazing <input type="checkbox"/> Alternative (describe): _____	
<input type="checkbox"/> I plan to use the services of a professional weed control company. Company name: _____	
4) Your Land Use Objectives: _____ _____ Neighboring Land Uses: _____	
5) What weed related workshop(s) have you attended? _____ _____	

This Noxious Weed Management Plan was developed between the Landowner(s) and the Mesa County Noxious Weed Cost-Share Program. The Plan fulfills the requirements of the Mesa County Policy for Noxious Weed Management on Private Property and the Noxious Weed Cost-Share Program. The Landowner(s) acknowledges the presence of noxious weeds and the importance of taking action to manage them on her/his property. The management decisions outlined herein are agreeable to both parties and, if performed properly and on time, will meet the management objectives listed for each weed and for the land use objectives stated by the landowner.

Landowner

Date _____

Mesa County Pest Inspector

Date _____

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2009 Noxious Weed Management Plan

Weed Treatment Plan:

Target Weed(s)	Management Method(s) (chemical, mechanical, cultural or biological)	Herbicide Recommendation		Timing of Control (approx. date or growth stage)
		Product	Rate	

Surfactants and adjuvants to be added to herbicide:

Name	Rate (v/v or oz/gal)

Phased Management Plan (where all areas cannot be managed simultaneously or areas will be treated differently):

Description of Target Area	Target weed(s)	Management Method(s) to be Used (include product and rate for herbicides)	Timing of Control (approx. date)

Revegetation/Seeding (if needed):

Area to be seeded	Species used	Time of Planting	Method of Planting	Other Pertinent Land Management Processes

A MAP of the property (hand drawn, aerial photo, plat map) showing the weed infestation(s) must be attached to this Application.

**MESA COUNTY NOXIOUS WEED CONTROL
COST SHARE AGREEMENT**

THIS AGREEMENT is by and between _____ (“Landholder”), whose address is _____, and Mesa County, Colorado, by and through the Mesa County Pest Inspector, whose address is Box 20,000-5025, Grand Junction, CO 81502-5025 (“County”).

WITNESSETH:

WHEREAS, County is offering to certain landowners who qualify for the Mesa County Cost Share for Control of Noxious Weeds (Cost Share Program), and

WHEREAS, Landholder owns or leases property in Mesa County **DESCRIBED AS FOLLOWS** (enter physical address or brief description of location):

This property is located within the borders of Mesa County, and

WHEREAS, Landholder desires to participate in the Cost Share Program, and agrees to pay all necessary costs and fees and abide by all of the conditions stated in this Agreement.

NOW, THEREFORE, in consideration of the mutual promises and covenants stated herein, the parties agree as follows:

1. **NOXIOUS WEED SPECIES IDENTIFIED:** The weed species identified in the Prioritized Noxious Weed List for Management on Private Property.
2. **APPLICATION OF CHEMICAL:**
 - A. **County agrees:** to cost share with the Landholder, chemical costs incurred by the Landholder in controlling the weed species described above and the professional application of the chemical on the property described above, on a 50% basis, up to a maximum total cost to the County of \$500.00. County shall pay its share to Landholder within 30 days after Landholder submits to County a receipt for full payment of the costs of chemical. “Professional Application” as used in this paragraph means a certified licensed pesticide applicator.
 - B. **Landholder agrees:** to cost share with the County, chemical costs incurred by the Landholder in controlling the weed species checked above and the professional application of the chemical on the property described above, on a 50% basis, up to a maximum total cost to the County of \$500.00. Landholder shall submit to County, no later than October 31 of the year purchased, a receipt for full payment of the costs of chemical in order to received payment from County. Landholder agrees to be solely responsible for applying the chemical or arranging for its application on the property, subject to the cost share arrangement set out above.
 - C. **Landholder further agrees:** to follow the requirements contained in the Cost-Share Application, including the Control Procedures and follow the recommended type of chemical utilized.
3. **TERM:** This Agreement shall be in effect for the term beginning upon signature and ending upon completion of the cost share program described above or, at the latest, by **15 November of the current year**.
4. **INDEMNIFICATION AND HOLD HARMLESS:** Landholder agrees to indemnify against liability and to save harmless County from any liability or damages County may suffer as a result of claims, demands, costs, or judgments instituted against County, its agents, employees, invitees, or any person claiming through them, arising out of Landholder’s, his agents’ or employees’ negligence or intentional acts in the course of applying the chemical contemplated herein, or arising from any accident, injury or damages, however caused, including the acts and

(CONTINUED)

omissions of third parties, to any person or persons, or to the property of any persons, or corporations occurring during or arising out of applying the chemical contemplated herein.

Landholder further agrees to hold harmless and defend County, by counsel reasonably satisfactory to the County, against all claims and demands arising out of Landholder, his agency or employees, applying the chemical contemplated herein, no matter whether such claims are made informally, in arbitration or mediation proceedings, or in court proceedings.

5. NO WAIVER OF IMMUNITY: No portion of this Agreement shall be deemed to constitute a waiver of any immunities the parties or their officers or employees may possess, nor shall any portion of this Agreement be deemed to have created a duty of care which did not previously exist with respect to any person not a party to this Agreement.
6. NO THIRD PARTY BENEFICIARY ENFORCEMENT: It is expressly understood and agreed that the enforcement of the terms and conditions of this Agreement, and all rights of action relating to such enforcement, shall be strictly reserved to the undersigned parties and nothing in this Agreement shall give or allow any claim or right of action whatsoever by any other person not included in this Agreement. It is the express intention of the undersigned parties that any entity other than the undersigned parties receiving services or benefits under this Agreement shall be an incidental beneficiary only.
7. CANCELLATION: This Agreement may be cancelled by either party upon thirty days written notice.

SIGNED this _____ day of _____, 20__.

LANDHOLDER:

WITNESS:

(Signature)

(Signature)

(Print Name)

(Print Name of Witness)

MESA COUNTY, COLORADO,
by and through the MESA COUNTY PEST INSPECTOR

By: _____

Judith M. Sirota

Prioritized Noxious Weed List for Management on Private Property

1/1/2009

The following list of weeds is intended to be used in making decisions about the weeds that will be supported by the Mesa County Noxious Weed Cost Share Program. You must have *at least one* of these weeds on your property to qualify for the Program. Information on the State Noxious Weed Act and State Weed Lists can be found at <http://www.ag.state.co.us/CSD/Weeds/Weedhome.html>

Images of the County Listed Noxious Weeds can be found on the Mesa County Pest Management Web Site: <http://www.mesacounty.us/> (go to Departments > Pest Management). Images of other weeds listed here can be found on various web sites or in the book "Weeds of the West". *Professional assistance should be obtained to positively identify your weeds.*

LIST A - SPECIES TO BE ERADICATED WHEREVER FOUND: List A weeds pose a significant threat to the State and must be eradicated statewide. List A weeds occur in low numbers or are not known to be present in Mesa County.

MANAGEMENT GOAL: The County will assist the landowner in all aspects of eradication including designing management plans, technical information, scouting, herbicide, equipment, personnel, and Cost-Share funding as available. It is expected that infestations of these weeds will be small and inexpensive to eradicate if detected early. Repeated treatment and monitoring over a number of years may be necessary for List A weeds.

LIST B – SPECIES TO BE ERADICATED, SUPPRESSED OR CONTAINED: List B weeds to be eradicated are either low in numbers or not yet present in Mesa County. List B weeds to be contained or suppressed are locally abundant in the areas listed in the Table 1. They should be controlled so as to prevent their spread.

MANAGEMENT GOAL: The County will assist the landowner in all aspects of eradication of List B weeds (if deemed necessary as mentioned above) including designing management plans, technical information, scouting, herbicide, equipment, personnel, and Cost-Share funding as available. It is expected that infestations of these weeds will be less than one acre in size and relatively inexpensive to treat. For List B weeds to be contained or suppressed (as determined above), the County will provide technical information, assistance with management plans, and Cost-Share funds as available. Repeated treatment and monitoring over a number of years may be necessary for some List B weeds.

LIST C – SPECIES TO BE CONTAINED, SUPPRESSED, OR OTHERWISE MANAGED: These weeds are abundant throughout Mesa County.

MANAGEMENT GOAL: All effort should be made to prevent the spread of these weeds wherever they occur in Mesa County. These species should be managed to achieve containment, suppression, and reduction of patch size where they are locally abundant and where infestations cross property lines. Eradication is not necessarily a goal for species on this list but should be considered where the infestations are small. The County will provide technical information, assistance with management plans, and Cost-Share funds as available. It is expected that infestations of these weeds will be large (greater than 1 acre) and will be more expensive to treat. Repeated treatment and monitoring over a number of years may be necessary.

TABLE 1: COUNTY LISTED NOXIOUS WEEDS

Weed	Management Goal	Geographical Areas	State List
Bull thistle (<i>Cirsium vulgare</i>)	1) CONTAINMENT/SUPPRESSION 2) ERADICATION	1) Above 7,000 feet 2) Below 7,000 feet	B
Canada thistle (<i>Cirsium arvense</i>)	CONTAINMENT/SUPPRESSION	All of Mesa County	B
Dalmatian toadflax – broad leaf (<i>Linaria dalmatica</i>)	1) CONTAINMENT/SUPPRESSION 2) ERADICATION	1) Mormon Mesa, Big Creek 2) Elsewhere in Mesa County	B
Diffuse knapweed (<i>Centaurea diffusa</i>)	ERADICATION	All of Mesa County	B
Dyer’s woad (<i>Isatis tinctoria</i>)	ERADICATION	All of Mesa County	A
Goatshead/Puncturevine (<i>Tribulus terrestris</i>)	1) CONTAINMENT/SUPPRESSION 2) ERADICATION	1) Below 7,000 feet 2) Above 7,000 feet	C
Hoary cress/Whitetop (<i>Cardaria draba</i>)	CONTAINMENT/SUPPRESSION	All of Mesa County	B
Houndstongue (<i>Cynoglossum officinale</i>)	1) CONTAINMENT/SUPPRESSION 2) ERADICATION	1) Above 7,000 feet 2) Below 7,000 feet	B
Leafy spurge (<i>Euphorbia esula</i>)	ERADICATION	All of Mesa County	B
Musk thistle (<i>Carduus nutans</i>)	1) CONTAINMENT/SUPPRESSION 2) ERADICATION	1) Above 7,000 feet 2) Below 7,000 feet	B
Oxeye daisy (<i>Chrysanthemum leucanthemum</i>)	1) CONTAINMENT/SUPPRESSION 2) ERADICATION	1) Above 7,000 feet 2) Below 7,000 feet	B
Plumeless thistle (<i>Carduus acanthoides</i>)	ERADICATION	All of Mesa County	B
Purple loosestrife (<i>Lythrum salicaria</i>)	ERADICATION	All of Mesa County	A
Russian knapweed (<i>Acroptilon repens</i>) (L)	CONTAINMENT/SUPPRESSION	All of Mesa County	B
Scotch thistle (<i>Onopordum acanthium</i>)	1) CONTAINMENT/SUPPRESSION 2) ERADICATION	1) Above 7,000 feet 2) Below 7,000 feet	B
Spotted knapweed (<i>Centaurea maculosa</i>)	ERADICATION	All of Mesa County	B
Yellow starthistle (<i>Centaurea solstitialis</i>)	ERADICATION	All of Mesa County	A
Yellow toadflax (<i>Linaria vulgaris</i>)	ERADICATION	All of Mesa County	B

TABLE 1B: OTHER ELIGIBLE WEEDS

Weed	State List
Chicory (<i>Chicorium intybus</i>)	C

TABLE 2: STATE LISTED NOXIOUS WEEDS TO BE ERADICATED IN MESA COUNTY

Weed	State List
African rue (<i>Peganum harmala</i>)	A
Absinth wormwood (<i>Artemisia absinthium</i>)	B
Black henbane (<i>Hysocyamus niger</i>)	B
Camelthorn (<i>Alhagi pseudalhagi</i>)	A
Chinese clematis (<i>Clematis orientalis</i>)	B
Common crupina (<i>Crupina vulgaris</i>)	A
Cypress spurge (<i>Euphorbia cyparissias</i>)	A
Dalmatian toadflax – narrow leaf (<i>Linaria genistifolia</i>)	B
Eurasian water milfoil (<i>Myriophyllum spicatum</i>) AQUATIC	B
Giant salvinia (<i>Salvinia molesta</i>) AQUATIC	A
Hydrilla (<i>Hydrilla verticillata</i>) AQUATIC	A
Meadow knapweed (<i>Centaurea pratensis</i>)	A
Mediterranean sage (<i>Salvia aethiopsis</i>)	A
Medusahead rye (<i>Taeniatherum caput-medusae</i>)	A
Myrtle spurge (<i>Euphorbia myrsinites</i>)	A
Orange hawkweed (<i>Hieracium aurantiacum</i>)	A
Perennial pepperweed (<i>Lepidium latifolium</i>)	B
Rush skeletonweed (<i>Chondrilla juncea</i>)	A
Sericea lespedeza (<i>Lespedeza cuneata</i>)	A
Squarrose knapweed (<i>Centaurea virgata</i>)	A
St. Johnswort (<i>Hypericum perforatum</i>)	C
Tansy ragwort (<i>Senecio jacobaea</i>)	A

TIMING OF CONTROL (to be used in the Weed Treatment Plan)

The proper timing of control measures is extremely important for effective control of weeds. However, timing may change due to plant growth patterns, weather conditions, land use practices, and other obstacles. The following schedule for implementing control measures should be used as a guideline by participants in the Cost-Share Program. Control timing other than that listed or for weeds not listed here must be approved by the Mesa County Pest Inspector.

<u>Species</u>	<u>Timing</u>	<u>Approximate Month</u>
Bull thistle (<i>Cirsium vulgare</i>)	spring/fall rosette to early bolting	May – July; Sept.-Oct.
Canada thistle (<i>Cirsium arvense</i>)	spring/fall rosette; bud stage; fall	May – July; Sept. - Oct.
Dalmation toadflax (<i>Linaria dalmatica</i>)	bud to pre-bloom; fall growth	June – July; Sept. – Oct.
Diffuse knapweed (<i>Centaurea diffusa</i>)	spring/fall rosette to early bolting	May – June; Sept. – Oct.
Dyer’s woad (<i>Isatis tinctoria</i>)	seedling	May - July
Goatshead/Puncturevine (<i>Tribulus terrestris</i>)	seedling	June - July
Hoary cress or white top (<i>Cardaria draba</i>)	pre-bloom; fall rosette	April – May; Sept. – Oct.
Houndstongue (<i>Cynoglossum officinale</i>)	spring/fall rosette	May – June; Sept. – Oct.
Leafy spurge (<i>Euphorbia esula</i>)	first bracts; post bloom; fall	May – July; Sept. – Oct.
Musk thistle (<i>Carduus nutans</i>)	spring/fall rosette to early bolting	May – July; Sept. – Oct.
Oxeye daisy (<i>Chrysanthemum leucanthemum</i>)	pre-bloom; post bloom	May – July; Sept. – Oct.
Plumeless thistle (<i>Carduus acanthoides</i>)	spring/fall rosette	May – July; Sept. – Oct.
Purple loosestrife (<i>Lythrum salicaria</i>)	pre-bloom; fall before frost	June - July; Sept. – Oct.
Russian knapweed (<i>Acroptilon repens</i>)	bud to early bloom; fall	May - June; Sept. – Oct.
Scotch thistle (<i>Onopordum acanthium</i>)	spring/fall rosette to early bolting	April – June; Sept. – Oct.
Spotted knapweed (<i>Centaurea maculosa</i>)	spring/fall rosette to early bolting	May – June; Sept. – Oct.
Yellow starthistle (<i>Centaurea solstitialis</i>)	spring/fall rosette to early bolting	May – July; Sept. – Oct.
Yellow toadflax (<i>Linaria vulgaris</i>)	bud to pre-bloom, fall growth	June – July; Sept. – Oct.

RESOURCES FOR WEED AND LAND MANAGEMENT

Technical Information

Mesa County Division of Pest Management

Jude Sirota, Pest Inspector 255.7120
Karen Eslinger, Pest Management Specialist
255.7121, ext. 1

CSU Cooperative Extension

(970) 244.1834
Information on all aspects of land management.
Field visits available for a small charge.

Dial-A-Garden
(970) 244.1706
Weekly information about weeds and
pests for the backyard gardener

Ed Page, Small Acreage Specialist
Tri River Area Cooperative Extension
(970) 249.3935 (Montrose)
Field visits and technical information on
agricultural land management

Natural Resource Conservation Service

(970) 242.4511 ext. 3

Land improvement programs (WHIP, EQUIP),
field visits, and technical information on land
management

Palisade Insectary

(970) 464.7916

Source for biological control agents for weed
control. Biocontrol is recommended ONLY for
very large infestations of certain weeds. Agents
not available for all species of weeds.

Professional Applicators

See "Weed Control" in the Yellow Pages or call
CSU Cooperative Extension, 244.1834, for a list
of applicators.

Local Herbicide Sources

Co-op Country
1650 Hwy 6 & 50, Fruita
(970) 858.3667

Grand Mesa Discount, Cedaredge
(970) 835.3311, 835.3335
(local delivery)

Randall Industries
745 Struthers, Grand Junction
(970) 242.3787

Valley Ranch Supply
57454 Hwy 330, Collbran
(970) 487.3000

Western Implement Ranch Rite Hardware
2919 North Ave., Grand Junction
(970) 242.7960

Murdoch's Ranch & Home Supply
3217 I-70 Business Loop (Peach Tree Shopping
Center), Clifton
523.7515