

Jefferson County, Colorado
Noxious Weed Management Plan
Amended 3/4/2014

Purpose

The Jefferson County Noxious Weed Management Plan establishes a countywide strategy for the management, control and eradication of noxious weeds. The Plan provides direction in the critical areas of noxious weed management, awareness and education, funding and resources, organization and responsibilities, coordination, monitoring, assessment, and compliance.

Background

The authority and responsibility to formulate and implement a Noxious Weed Management Plan comes from Colorado Revised Statutes 35-5.5-101 et.seq., the Colorado Noxious Weed Act (Act). The Act states that the justification for this statute resides in the fact that certain undesirable plants represent a threat to the economic and environmental value of lands throughout the State; therefore, they must be managed where they occur. Furthermore, it is the responsibility of local governing bodies to assure that these plants are in fact managed.

Organization and Responsibilities

I. Advisory Board

- A. Pursuant to CRS 35-5.5-107(1) the Local Advisory Board (Advisory Board) is the Board of County Commissioners.
- B. The Advisory Board will also be known as the Noxious Weed Advisory Board.
- C. Advisory Board Responsibilities
 1. The Advisory Board develops the management plan and transmits it to the Board of County Commissioners for approval, modification or rejection.
 2. The Advisory Board declares noxious weeds and any state noxious weeds designated by rule to be subject to management, control or eradication.
 3. The Advisory Board will meet at regular intervals, but not less than once every three years to review and evaluate the Plan and its implementation.
 4. The Advisory Board coordinates with and makes recommendations to the Board of County Commissioners regarding amendments and revisions to the Plan.
 5. The Advisory Board will make recommendations regarding staffing to implement this plan.
 6. The Advisory Board, through staff, will seek individual integrated management plans for County departments/agencies responsible for road rights-of-ways, parks, open

space, landscaped areas, etc., and will identify other entities responsible for submitting plans.

7. The Advisory Board may recommend to the Board of County Commissioners that identified landowners be required to submit an individual integrated management plan to manage noxious weeds on their property.

II. Weed and Pest Management Staff Responsibilities

- A. The Jefferson County Weed and Pest Management Specialist will provide guidance and technical assistance to the Advisory Board.
- B. The Jefferson County Weed and Pest Management Specialist is responsible for cooperating with the Advisory Board to implement this Plan.
- C. The Jefferson County Weed and Pest Management Specialist will provide technical assistance to private landowners and facilitate development of management plans for their land.
- D. The Jefferson County Weed and Pest Management Specialist may provide technical assistance to public landowners/operators and facilitate development of management plans for their land.
- E. The Jefferson County Weed and Pest Management Specialist will be responsible for enforcing the Noxious Weed Control Act (CRS 35-5.5) within unincorporated Jefferson County.
- F. The Jefferson County Weed and Pest Management Specialist may be responsible for other duties as assigned.

III. Other Jefferson County Departments

- A. County Departments responsible for managing County lands shall submit Noxious Weed Control Plans to the Advisory Board for approval.
- B. The initial plans will be presented to the Advisory Board by August 2002 for review. The Advisory Board will then review the Noxious Weed Control Plans every third year thereafter.
- C. The Advisory Board may make recommendations and changes to the Noxious Weed Control Plans.
- D. The Noxious Weed Control Plans shall include:
 1. Mapping and evaluation of noxious weed populations
 2. Noxious weed management goals and objectives
 3. Appropriate integrated methods of control
 4. Implementation schedule

E. County Agencies Responsible for Noxious Weed Control Plans

1. Facilities
2. Fairgrounds
3. Highways and Transportation
4. Open Space
5. Road and Bridge
6. Others (to be determined by the Advisory Board)

F. County Agencies who will provide logistical support

1. Clerk and Recorder - Helps determine property ownership
2. Cooperative Extension - Public education
3. County Assessor - Helps determine property ownership, property boundaries, etc.
4. IT Operations - Provides access to electronic property records.
5. Sheriff's Department - May assist Weed and Pest Management Specialist in enforcement activities, such as serving warrants if a property owner would deny access.

IV. Private Property Within Unincorporated Jefferson County

- A. Owners of private property within Jefferson County are required to manage noxious weeds under the provisions set forth in CRS 35-5.5-101 et. seq.

V. Municipalities

- A. Municipalities as defined by CRS 31-1-101(6) are responsible for noxious weed management within their jurisdiction under the provisions set forth in CRS 35-5.5-101 et. seq.

VI. State Property

- A. State boards, departments and agencies are responsible under the provisions set forth in CRS 35-5.5 -101 et. seq. for the management of noxious weeds on properties they own or control.

PRIORITIES

Education

Objective: To provide landowners and land managers with the information and skills necessary to manage noxious weeds.

Action: The Weed and Pest Management Staff will provide public education using methods such as publications, website, information displays, site visits, organized meetings, etc. Staff will also provide information to the media. Emphasis will be given to the identification, prevention and management of noxious weeds known to be found within the county. Special emphasis on prevention, detection and control will be given to noxious weed species with limited or no distribution within the county.

Short-term goals:

GOAL	WHO	TIMEFRAME
Public Out-Reach	JeffCo W&P Cooperative Extension	Ongoing

Prevention/Early Detection

Objective: To prevent the introduction of and to provide the early detection of weeds known to be noxious but not known to occur within Jefferson County.

Action: The Advisory Board may develop weed management policy recommendations that may include, but are not limited to, the following:

1. Weed-free hay, straw and mulch
2. Cost-share programs
3. Revegetation standards:
 - a. After weed management efforts
 - b. After development
 - c. Highway/road construction bid maintenance
4. Weed-free landscape stock/sod
5. Gravel pit standards

Short-term goals:

GOAL	WHO	TIMEFRAME
Develop prevention and early detection policies	Advisory Board	November 2002

Monitoring and Assessment

Objective: To evaluate the noxious weed populations within unincorporated Jefferson County so that management needs and management efforts may be assessed and recommendations for action given to landowners and land managers.

Action: The Weed and Pest Management staff will evaluate the noxious weed populations within unincorporated Jefferson County and will provide their findings and recommendations to the Advisory Board.

Short-term goals:

GOAL	WHO	TIMEFRAME
Visual survey of County	JeffCo W&P	Ongoing
Report to Advisory Board	JeffCo W&P	Yearly

Action: County Agencies will be responsible for mapping and evaluating the noxious weed populations on properties they are responsible for and will provide their findings to the Advisory Board and to the Weed and Pest Management Specialist.

Short-term goals:

GOAL	WHO	TIMEFRAME
Identify County owned lands	Jeffco W&P Assessor Clerk and Recorder	July 2002
Identify County Agencies/Departments responsible for management	Advisory Board	January 2002
County Agencies/Departments submit Noxious Weed Control Plans to Advisory Board	TBD	August 2002
Advisory Board reviews, makes recommendations or accepts Noxious Weed Control Plans	Advisory Board	August 2002
County Agencies/Departments implement Noxious Weed Control Plans	TBD	Ongoing

Management/Control/Eradication

Integrated pest management (IPM) involves the use of the most appropriate method or combination of appropriate methods in the management of noxious weeds. Commonly, the methods used, in combination or alone, are cultural, biological, chemical, and/or mechanical. IPM seems to offer the most promising long-term solution to the management of established noxious weed populations although some species may not be controlled using some of the methods. Management will be undertaken for noxious weeds of general distribution within the county. Control or eradication will be undertaken for noxious weeds of limited distribution within the county or within an area of the county or when the noxious weed is newly introduced or discovered. In the control or eradication of such populations, a more aggressive approach may be most appropriate.

Objective: To manage, control, and/or eradicate noxious weeds using the most appropriate method or methods.

Action: Identify appropriate management techniques for weed species on a case-by-case basis.

Short-term goals:

GOAL	WHO	TIMEFRAME
Provide management options to landowners	Jeffco W&P	Ongoing

Enforcement

Although compliance through cooperation is the preferred approach to noxious weed management, enforcement of the Noxious Weed Act will sometimes be necessary. Private and non-federal public lands and rights-of-way are subject to enforcement.

Objective: To provide a method for enforcement of the Act.

Action: The Weed and Pest Management Specialist may respond to official complaints concerning noxious weeds on private and public lands. Enforcement will follow the procedure identified in the Noxious Weed Management Act, CRS 35-5.5-108.5 through 110.

Action: The Weed and Pest Management Specialist may undertake enforcement action concerning noxious weeds on private and public lands. Enforcement will follow the procedures identified in the Noxious Weed Management Act, CRS 35-5.5-108.5 through 110.

Action: The Advisory Board, through staff, may identify properties of concern and require that the property owner, operator, or lessee submit a Noxious Weed Management Plan (NWMP). The Advisory Board has the right to accept, reject, or modify any plan submitted.

Short-term goals:

GOAL	WHO	TIMEFRAME
Respond to official complaints	Jeffco W&P	Ongoing
Identify properties of concern	Jeffco W&P	Ongoing
Review NWMP	Jeffco W&P	Ongoing

Cooperation/Coordination

Objective: To foster and encourage area based noxious weed management. To maximize noxious weed control efforts by utilizing multiple resources. To promote interagency cooperation. To encourage grassroots efforts.

Action: The County's Weed and Pest Management Specialist may work with local, county, state, and federal agencies in developing and implementing cooperative projects.

Short-term goals:

GOAL	WHO	TIMEFRAME
Develop working relationships with	Jeffco W&P	Ongoing

various agencies and departments		
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Action: The County's Weed and Pest Management Specialist may work with private landowners, homeowner associations, and interested groups in developing cooperative projects. One method may be through the use of the Jefferson County Weed Management Grant Program.

Short-term goals:

GOAL	WHO	TIMEFRAME
Jeffco Noxious Weed Grant Program	Jeffco W&P	Yearly

Funding

The implementation of the recommendations set forth in this plan is contingent upon funding. Additional funding sources such as grants, allotments, etc. may be pursued and utilized for the purpose of this Plan.

Objective: To secure further funding for the development and implementation of the Plan.

Action: Pursue grant monies.

Short-term goals:

GOAL	WHO	TIMEFRAME
Identify potential noxious weed grant opportunities	Jeffco W&P Various Departments	Ongoing

Appendices:

- A. Jefferson County's Noxious Weed List

Appendix A - 2019 Jeffco Noxious Weed List

List A Species (25)

State List	Common Name	Scientific Name	Known in Jeffco	Jeffco List	Level of Control Required	Amt. in Jeffco	Report Sightings
A	African rue	<i>Peganum harmala</i>	No	Yes	Eradicate	None	yes
A	Arundo (Giant reed)	<i>Arundo donax</i>	Yes	Yes	Eradicate	Small	yes
A	Knotweed, Bohemian	<i>Polygonum x bohemicum</i>	Yes	Yes	Eradicate	Small	yes
A	Camelthorn	<i>Alhagi maurorum</i>	No	Yes	Eradicate	None	yes
A	Common crupina	<i>Crupina vulgaris</i>	No	Yes	Eradicate	None	yes
A	Cypress spurge	<i>Euphorbia cyparissias</i>	Yes	Yes	Eradicate	Small	yes
A	Dyer's woad	<i>Isatis tinctoria</i>	Yes	Yes	Eradicate	Small	yes
A	Elongated mustard	<i>Brassica elongata</i>	No	Yes	Eradicate	None	yes
A	Flowering rush	<i>Butomus umbellatus</i>	No	Yes	Eradicate	None	yes
A	Knotweed, Giant	<i>Polygonum sachalinense</i>	Yes	Yes	Eradicate	Small	yes
A	Giant salvinia	<i>Salvinia molesta</i>	No	Yes	Eradicate	None	yes
A	Hairy willow-herb	<i>Epilobium hirsutum</i>	Yes	Yes	Eradicate	Widespread	yes
A	Hydrilla	<i>Hydrilla verticillata</i>	No	Yes	Eradicate	None	yes
A	Knotweed, Japanese	<i>Polygonum cuspidatum,</i>	Yes	Yes	Eradicate	Scattered	yes
A	Meadow knapweed	<i>Centaurea nigrescens</i>	No	Yes	Eradicate	None	yes
A	Mediterranean sage	<i>Salvia aethiopis</i>	No	Yes	Eradicate	None	yes
A	Medusahead	<i>Taeniatherum caput-medu</i>	No	Yes	Eradicate	None	yes
A	Myrtle spurge	<i>Euphorbia myrsinites</i>	Yes	Yes	Eradicate	Widespread	no
A	Orange hawkweed	<i>Hieracium aurantiacum</i>	Yes	Yes	Eradicate	Widespread	yes
A	Parrotfeather	<i>Myriophyllum aquaticum</i>	No	Yes	Eradicate	None	yes
A	Purple loosestrife	<i>Lythrum salicaria</i>	Yes	Yes	Eradicate	Widespread	yes
A	Rush skeletonweed	<i>Chondrilla juncea</i>	No	Yes	Eradicate	None	yes
A	Squarrose knapweed	<i>Centaurea virgata</i>	No	Yes	Eradicate	None	yes
A	Tansy ragwort	<i>Senecio jacobaea</i>	No	Yes	Eradicate	None	yes
A	Yellow starthistle	<i>Centaurea solstitialis</i>	Yes	Yes	Eradicate	None	yes

List B Species (40)

State List	Common Name	Scientific Name	Known in Jeffco	Jeffco List	Level of Control Required	Amt. in Jeffco	Report Sightings
BE	Absinth wormwood	<i>Artemisia absinthium</i>	No	Yes	Eradicate	None	yes
BE	Black henbane	<i>Hyoscyamus niger</i>	Yes	Yes	Eradicate	Small	yes
B	Bouncingbet	<i>Saponaria officinalis</i>	Yes	Yes	Contain - see map	Scattered	no
B E	Bull thistle	<i>Cirsium vulgare</i>	Yes	Yes	Eradicate	Scattered	yes
B	Canada thistle	<i>Cirsium arvense</i>	Yes	Yes	Suppress	Widespread	no
BE	Chinese clematis	<i>Clematis orientalis</i>	Yes	Yes	Eradicate	Scattered	yes
BE	Common tansy	<i>Tanacetum vulgare</i>	Yes	Yes	Eradicate	Scattered	yes

B/BE	Common teasel	<i>Dipsacus fullonum</i>	Yes	Yes	Contain - see map	Widespread	no
B/BE	Cutleaf teasel	<i>Dipsacus laciniatus</i>	Yes	Yes	Contain - see map	Widespread	no
B	Dalmatian toadflax, broad-leaved	<i>Linaria dalmatica</i>	Yes	Yes	Suppress	Widespread	no
B	Dalmatian toadflax, narrow-leaved	<i>Linaria genistifolia</i>	Yes	Yes	Suppress	Scattered	no
B	Dame's rocket	<i>Hesperis matronalis</i>	Yes	Yes	Suppress	Scattered	no
B	Diffuse knapweed	<i>Centaurea diffusa</i>	Yes	Yes	Suppress	Widespread	no
B	Eurasian watermilfoil	<i>Myriophyllum spicatum</i>	Yes	Yes	Suppress	Widespread	yes
B	Hoary cress	<i>Cardaria draba</i>	Yes	Yes	Suppress	Widespread	no
B	Houndstongue	<i>Cynoglossum officinale</i>	Yes	Yes	Suppress	Widespread	no
B	Jointed goatgrass	<i>Aegilops cylindrica</i>	Yes	Yes	Suppress	Scattered	yes
B	Leafy spurge	<i>Euphorbia esula</i>	Yes	Yes	Suppress	Widespread	no
B	Mayweed chamomile	<i>Anthemis cotula</i>	No	Yes	Contain - see map	None	no
BE	Moth mullein	<i>Verbascum blattaria</i>	Yes	Yes	Eradicate	Small	yes
B	Musk thistle	<i>Carduus nutans</i>	Yes	Yes	Suppress	Widespread	no
B	Oxeye daisy	<i>Leucanthemum vulgare</i>	Yes	Yes	Suppress	Scattered	no
B/BE	Perennial pepperweed	<i>Lepidium latifolium</i>	Yes	Yes	Contain - see map	Scattered	yes
BE	Plumeless thistle	<i>Carduus acanthoides</i>	Yes	Yes	Eradicate	Small	yes
BE	Russian knapweed	<i>Acroptilon repens</i>	Yes	Yes	Eradicate	Small	yes
BE	Russian-olive	<i>Elaeagnus angustifolia</i>	Yes	Yes	Suppress - Private Land Eradicate - county owned w/in 100 ft of water/15 ft of pavement & parking	Widespread	no
BE	Salt cedar	<i>Tamarix chinensis, T. parviflora</i>	Yes	Yes	Eradicate	Small	yes
B	Scentless chamomile	<i>Tripleurospermum perforatum</i>	Yes	Yes	Contain - see map	Scattered	no
B	Scotch thistle	<i>Onopordum acanthium</i>	Yes	Yes	Suppress	Widespread	no
B	Scotch thistle	<i>Onopordum tauricum</i>	No	Yes	Suppress	None	no
BE	Spotted knapweed	<i>Centaurea stoebe</i>	Yes	Yes	Eradicate	Small	yes
B	Spotted x diffuse knapweed hybrid	<i>Centaurea x psammogena</i>	Yes	Yes	Suppress	Scattered	no
B	Sulfur cinquefoil	<i>Potentilla recta</i>	Yes	Yes	Contain - see map	Scattered	yes
B	Wild caraway	<i>Carum carvi</i>	Yes	Yes	Eradicate	Unknown	no
B	Yellow nutsedge	<i>Cyperus esculentus</i>	No	Yes	Eradicate	None	no
B	Yellow toadflax	<i>Linaria vulgaris</i>	Yes	Yes	Suppress	Widespread	no
B	Yellow x Dalmatian toadflax hybrid	<i>Linaria vulgaris x L. dalma</i>	Yes	Yes	Suppress	Scattered	no

List C Species (16)

State List	Common Name	Scientific Name	Known in Jeffco	Jeffco List	Level of Control Recommended	Amt. in Jeffco	Report Sightings
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C	Bulbous bluegrass	<i>Poa bulbosa</i>	Yes	No	Control Recommended	Widespread	no
C	Chicory	<i>Cichorium intybus</i>	Yes	No	Control Recommended	Widespread	no
C	Common burdock	<i>Arctium minus</i>	Yes	No	Control Recommended	Widespread	no
C	Common mullein	<i>Verbascum thapsus</i>	Yes	No	Control Recommended	Widespread	no
C	Common St. Johnswort	<i>Hypericum perforatum</i>	Yes	No	Control Recommended	Widespread	no
C	Downy brome	<i>Bromus tectorum</i>	Yes	No	Control Recommended	Widespread	no
C	Field bindweed	<i>Convolvulus arvensis</i>	Yes	No	Control Recommended	Widespread	no
C	Halogeton	<i>Halogeton glomeratus</i>	??	No	Control Recommended	Unknown	no
C	Johnsongrass	<i>Sorghum halepense</i>	Yes	No	Control Recommended	Scattered	no
C	Perennial sowthistle	<i>Sonchus arvensis</i>	Yes	No	Control Recommended	Widespread	no
C	Poison hemlock	<i>Conium maculatum</i>	Yes	No	Control Recommended	Widespread	no
C	Puncturevine	<i>Tribulus terrestris</i>	Yes	No	Control Recommended	Widespread	no
C	Quackgrass	<i>Elymus repens</i>	Yes	No	Control Recommended	Unknown	no
C	Redstem filaree	<i>Erodium cicutarium</i>	Yes	No	Control Recommended	Widespread	no
C	Velvetleaf	<i>Abutilon theophrasti</i>	??	No	Control Recommended	Unknown	no
C	Wild proso millet	<i>Panicum miliaceum</i>	??	No	Control Recommended	Unknown	no

Watch List Species (24)

State List	Common Name	Scientific Name	Known in Jeffco	Jeffco List	Level of Control Recommended	Amt. in Jeffco	Report Sightings
W	Asian mustard	<i>Brassica tournefortii</i>	No	No	Control Recommended	None	yes
W	Baby's breath	<i>Gypsophila paniculata</i>	Yes	No	Control Recommended	Scattered	yes
W	Bathurst burr, Spiney cocklebur	<i>Xanthium spinosum</i>	No	No	Control Recommended	None	yes
W	Brazilian egeria, Brazilian elodea	<i>Egeria densa</i>	No	No	Control Recommended	None	yes
W	Common bugloss	<i>Anchusa officinalis</i>	No	No	Control Recommended	None	yes
W	Common reed	<i>Phragmites australis</i>	No	No	Control Recommended	Scattered	yes

W	Garden Loosestrife	<i>Lysimachia vulgaris</i>	No	No	Control Recommended	None	yes
W	Garlic mustard	<i>Alliaria petiolata</i>	Yes	No	Eradication Recommended	Small	yes
W	Himalayan blackberry	<i>Rubus armeniacus</i>	No	No	Control Recommended	None	yes
W	Hoary alyssum	<i>Berteroa incana</i>	Yes	No	Control Recommended	Widespread	no
W	Japanese blood grass/cogongrass	<i>Imperata cylindrica</i>	No	No	Control Recommended	None	yes
W	Meadow hawkweed	<i>Hieracium caespitosum</i>	No	No	Control Recommended	None	yes
W	Onionweed	<i>Asphodelus fistulosus</i>	No	No	Control Recommended	None	yes
W	Purple pampas grass	<i>Cortaderia jubata</i>	Yes	No	Control Recommended	Widespread	no
W	Scotch broom	<i>Cytisus scoparius</i>	Yes	No	Control Recommended	Small	yes
W	Sericea lespedeza	<i>Lespedeza cuneata</i>	No	No	Control Recommended	None	yes
W	Swainsonpea	<i>Sphaerophysa salsula</i>	Yes	No	Eradication Recommended	Small	yes
W	Syrian beancaper	<i>Zygophyllum fabago</i>	No	No	Control Recommended	None	yes
W	Water hyacinth	<i>Eichhornia crassipes</i>	No	No	Control Recommended	None	yes
W	Water lettuce	<i>Pistia stratiotes</i>	No	No	Control Recommended	None	yes
W	White bryony	<i>Bryonia alba</i>	No	No	Control Recommended	None	yes
W	Woolly distaff thistle	<i>Carthamus lanatus</i>	No	No	Control Recommended	None	yes
W	Yellow flag iris	<i>Iris pseudacorus</i>	Yes	No	Eradication Recommended	Small	yes
W	Yellow floatingheart	<i>Nymphoides peltata</i>	No	No	Control Recommended	None	yes