

Noxious Weeds Revision

Proposed Regulation Changes to
NAC 555.010:

*Designation and Categorization
of Noxious Weeds*



Sean Gephart

Noxious Weeds Coordinator

Nevada Department of Agriculture

State Laws Regulating Noxious Weeds

Quick Reminder on Laws:

NRS 555.005: Noxious Weeds Defined: “Any species of plant which is, or is likely to be, a public nuisance, detrimental or destructive and difficult to control”

NRS 555.130: *Designation of Noxious Weeds*

The state may declare certain weeds as noxious if such species are likely to be destructive and difficult to control but not so wide spread that their control is impossible.

NAC 555.010: *Categorization of Noxious Weeds*

There are 47 weeds currently listed as noxious.

The noxious weeds are broken down into three categories: A, B, C

State Laws Regulating Noxious Weeds

NAC 555.010: ***Designation and Categorization of Noxious Weeds***

A: Limited distribution

B: Established in certain areas

C: Widespread throughout state

State Laws Regulating Noxious Weeds

Process in classifying a weed as Noxious:

- List is defined in NAC.
- Last revision made in 2009
- Weeds can be added or removed from list.
- Select a committee for review & determination.
- Submit to Board of Agriculture for review.
- Advertise and hold a public workshop.
- Submit to Legislative Council Bureau (LCB).
- If accepted by LCB hold a hearing.
- Submit back to the Board of Agriculture.
- If adopted submit to Secretary of State to sign.

Review Committee

Selected Committee

- Consisting of 24 members
- Representing 5 geographical regions around the state
- Comprised of:
 - Extension Educators
 - Government Land Managers
 - CWMA members
 - Conservation District Leads
 - Private Weed Management Professionals

Review Committee

Survey was sent to the committee designed to:

- 1) Evaluate what noxious weeds should be moved down the category list between A,B,C
 - 2) Identify and consider new species of weeds
- Following the survey email correspondence between the committee continued
 - Public comment received and considered following workshop posting

Review Committee

New Species Selection Parameters:

- Is it noxious in bordering states
- Does the GPS data illustrate encroachment or spreading
- Is it climatically suited for our region
- Would current statewide distribution consider it EDRR
- Is control feasible
- Would it be classified in category C
- Is it currently sold in nurseries

Review Committee

All New Weeds Proposed:

- Jointed Goatgrass (*Aegilops cylindrical*)
- Buffelgrass (*Pennisetum ciliare*)
- Barbed Goatgrass (*Aegilops triuncialis*)
- Quackgrass (*Elymus repens*)
- Flowering Rush (*Butomus umbellatus*)
- Curly Leafpondweed (*Potamogeton crispus*)
- Ventenata (*Ventenata dubia*)
- Stinkwort (*Dittrichia graveleons*)
- Field Bindweed (*Convolvulus arvensis*)
- Mat Sandbur (*Cenchrus spinifex*)
- Dodder (*Cuscuta approximate*)
- Long-stalk Mustard (*Brassica elongate*)
- Myrtle spurge (*Euphorbia myrsinites*)
- Bouncing Bet (*Saponaria officinalis*)
- Lenspod Whitetop (*Cardaria chalepensis*)
- Hairy Whitetop (*Cardaria pubescens*)
- Small Bugloss (*Anchusa arvensis*)
- Pampas Grass (*Cortaderia selloana* & *Cortaderia selloana*)
- Mediterranean Desert Knapweed (*Volutaria tubuliflora*)
- Revenna Grass (*Saccharum ravennae*)
- Common Mullen (*Verbascum thapsus*)
- Russian Olive (*Elaeagnus angustifolia*)

Nevada's Noxious Weed List

- **Category A List**

- Seven new species have been added:

- Barbed Goatgrass
- Buffelgrass
- Curly Leaf Pondweed
- Desert Knapweed
- Flowering Rush
- Jointed Goatgrass
- Ventenata
- ~~Stinkwort~~

Proposed Weeds Agricultural Concern



Barbed Goatgrass (*Aegilops triuncialis*)

- *Noxious weed in Oregon infesting pasture and rangelands*
- *8 to 16 inches tall*
- *Winter annual forming thatch layer similar to Medusahead*
- *Flower spikes contain barbed awns unpalatable to livestock*
- *When mature the entire spike will fall to the ground intact*
- *Each spike has two seeds each with consecutive germination cycles*
- *Capable of hybridizing with wheat*

Proposed Weeds Agricultural Concern



Jointed Goatgrass (*Aegilops cylindria*)

- *Noxious weed in Idaho, Arizona, California, Oregon*
- *Cool season annual bunch grass that is closely related to winter wheat*
- *Each plant can produce up to 3000 seeds*
- *Highly drought tolerant*
- *Seedlings emerge from September to early November, then go dormant over the winter before producing seed in the spring*

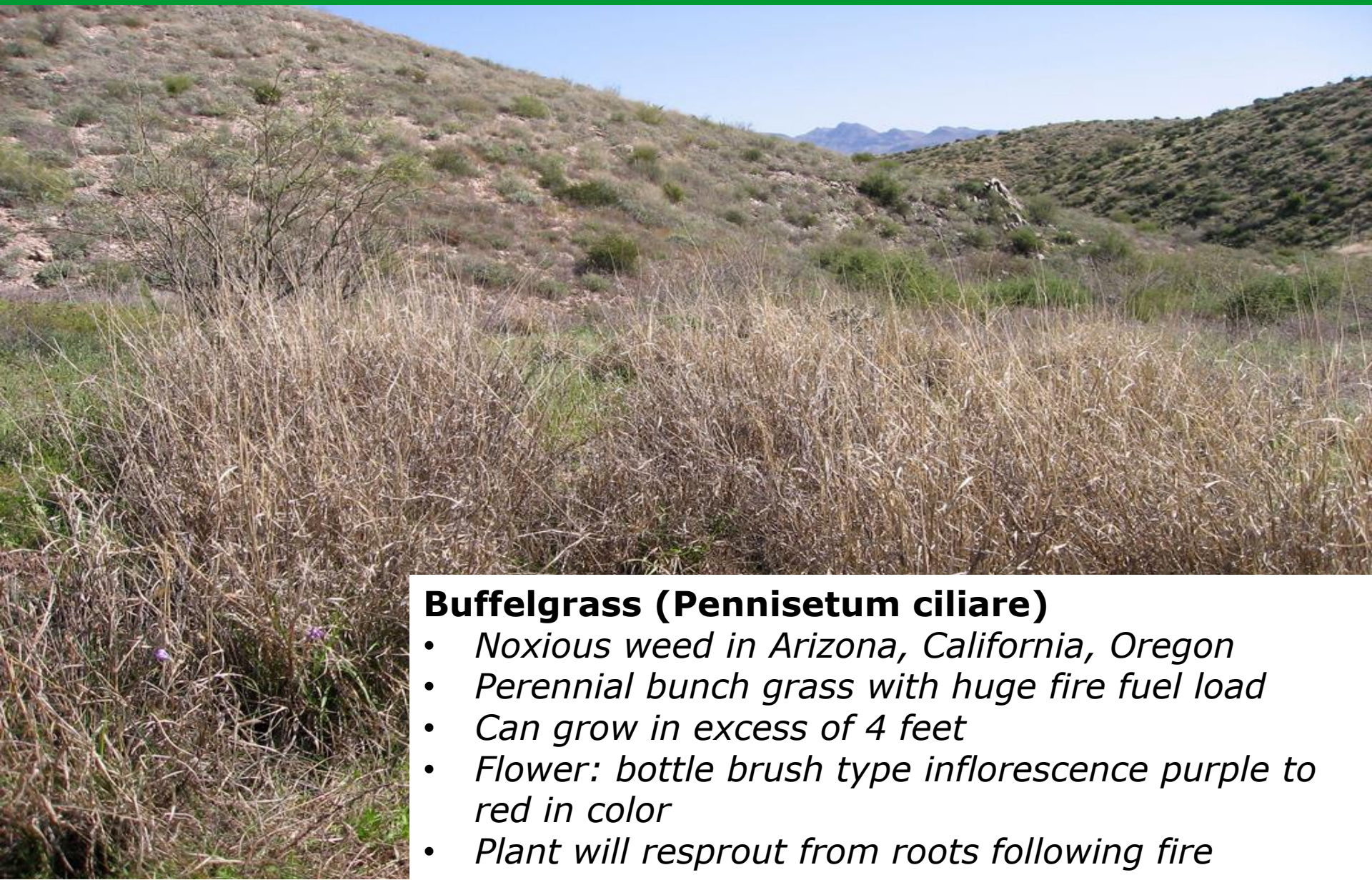
Proposed Weeds Agricultural Concern



Ventenata (Ventenata dubia)

- *Noxious weed in Montana*
- *Found in Elko*
- *Also called Wiregrass*
- *Winter annual grass that germinates in fall*
- *Problem in grass hay stands*
- *Shown resistant to Glyphosate when applied in spring*
- *Shallow root system may increase erosion*

Proposed Weed Fire Fuel



Buffelgrass (*Pennisetum ciliare*)

- *Noxious weed in Arizona, California, Oregon*
- *Perennial bunch grass with huge fire fuel load*
- *Can grow in excess of 4 feet*
- *Flower: bottle brush type inflorescence purple to red in color*
- *Plant will resprout from roots following fire*

Proposed Weed Habitat and Native Species Threat



Desert Knapweed (*Volutaria tubuliflora*)

- *Noxious Weed in California*
- *Regionally suited for S. Nevada*
- *Not currently found in NV*
- *EDRR Weed*

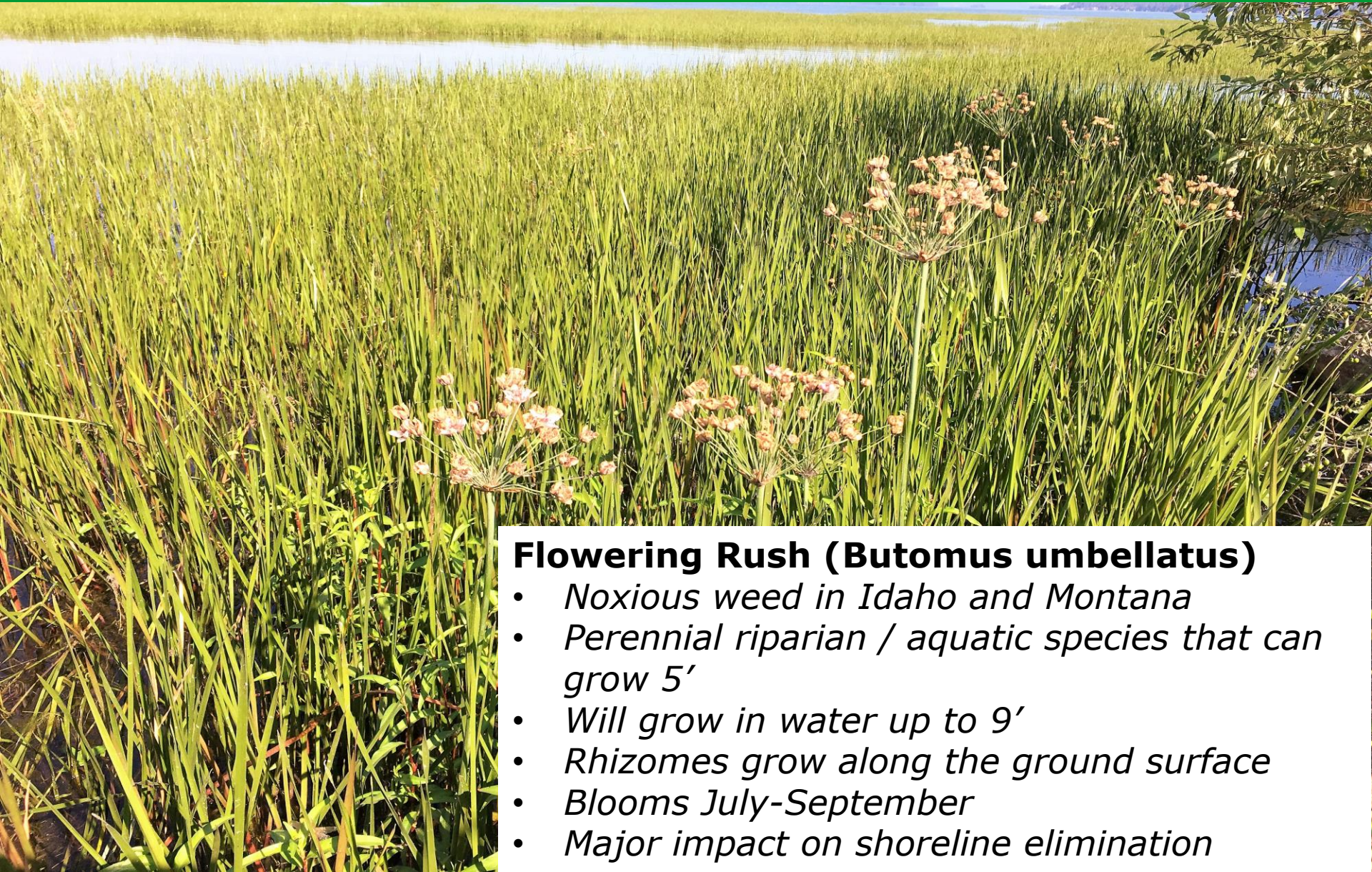
Proposed Weeds Water Quality Concern



Curly Leaf Pondweed (*Potamogeton crispus*)

- *Noxious weed in Washington and California*
- *Aquatic species: Lake Tahoe that comes up in spring and dies mid summer*
- *Perennial spread by rhizomatous roots that grow dense mats that impede other species*
- *Spreads by vegetative fragments through recreational activities*
- *Will grow from shore out to depths of 15ft*

Proposed Weeds Water Quality Concern



Flowering Rush (*Butomus umbellatus*)

- *Noxious weed in Idaho and Montana*
- *Perennial riparian / aquatic species that can grow 5'*
- *Will grow in water up to 9'*
- *Rhizomes grow along the ground surface*
- *Blooms July-September*
- *Major impact on shoreline elimination*

Nevada's Noxious Weed List

- **Category B List**

- Six species were moved from the Category A List to the Category B list
 - Giant Reed, Dalmatian Toadflax, Black Henbane, Perennial Sowthistle, Mayweed Chamomile, and Spotted Knapweed

Moving Species for Category "A" to Category "B"



Moving Species for Category "A" to Category "B"



Moving Species for Category "A" to Category "B"



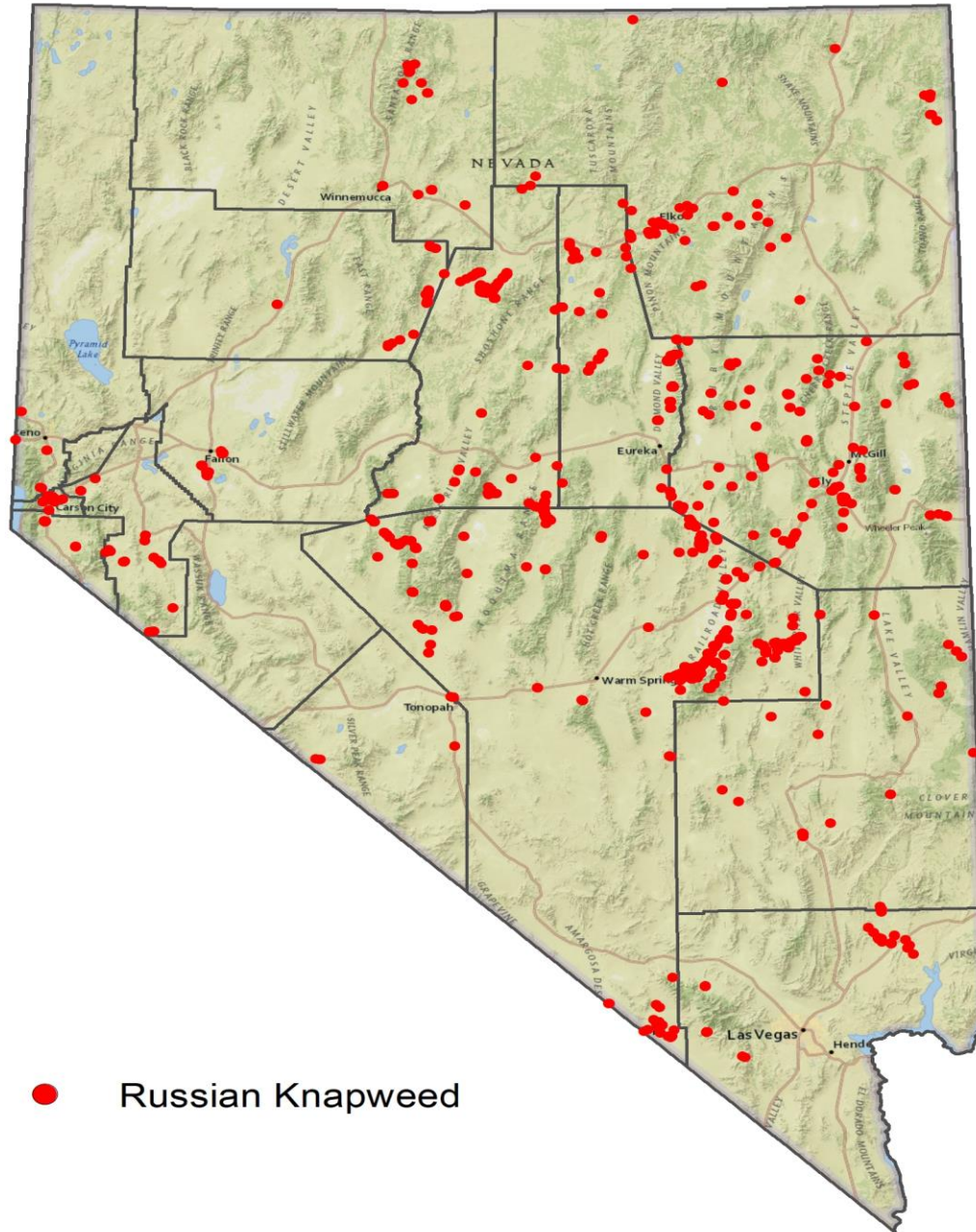
Nevada's Noxious Weed List

- **Category C List**

- Three species were moved from the Category B List to the Category C list
 - Musk Thistle, Russian Knapweed, and Scotch Thistle
- No species were removed from the Noxious Weed List

Moving Species for Category "B" to Category "C"





● Russian Knapweed

Proposed Results

- **Nevada's State Noxious Weed list will now include a total of 54 species**
 - 31 in Category A
 - 12 in Category B
 - 11 in Category C

Proposed Weeds Not Selected

- **Quackgrass (*Elymus repens*)**
- **Field Bindweed (*Convolvulus arvensis*)**
- **Mat Sandbur (*Cenchrus spinifex*)**
- **Dodder (*Cuscuta approximate*)**
- **Long-stalk Mustard (*Brassica elongate*)**
- **Myrtle spurge (*Euphorbia myrsinites*)**
- **Bouncing Bet (*Saponaria officinalis*)**
- **Lenspod Whitetop (*Cardaria chalepensis*)**
- **Hairy Whitetop (*Cardaria pubescens*)**
- **Small Bugloss (*Anchusa arvensis*)**
- **Pampas Grass (*Cortaderia selloana* & *Cortaderia selloana*)**
- **Revenna Grass (*Saccharum ravennae*)**
- **Common Mullen (*Verbascum Thapsus*)**
- **Russian Olive (*Elaeagnus angustifoli*)**

Thank you

Sean Gephart

**Nevada Department
of Agriculture**

(775) 353-3640

Sgephart@agri.nv.gov

