

The Minnesota Noxious Weed Lists By Category

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Statewide Listed Noxious Weeds

12 State Prohibited Noxious Weeds

Eradicate List – 3 Species

Control List – 9 Species

2 State Restricted Noxious Weeds

1 Specially Regulated Plant

Prohibited Noxious Weeds

- **Prohibited Noxious Weeds** are annual, biennial, or perennial plants that the commissioner designates as having the potential or are known to be detrimental to human or animal health, the environment, public roads, crops, livestock or other property. There are two regulatory listings for prohibited noxious weeds in Minnesota:
 - **Eradicate List** – Prohibited noxious weeds that are listed to be eradicated are plants that are not currently known to be present in Minnesota or are not widely established. These species must be eradicated, meaning all of the above and below ground parts of the plant must be destroyed, as required by Minnesota Statutes, Section 18.78. Additionally, no transportation, propagation, or sale of these plants is allowed. Measures must also be taken to prevent and exclude these species from being introduced into Minnesota.
 - **Controlled List** - Prohibited noxious weeds that are listed to be controlled are plants that are established throughout Minnesota or regions of the state. Species on this list must be controlled, meaning efforts must be made to destroy all propagating parts and prevent seed maturation and dispersal, thereby reducing established populations and preventing reproduction and spread as required by Minnesota Statutes, Section 18.78. Additionally, transportation, propagation, or sale of these plants is prohibited.

State Prohibited Noxious Weeds

Eradicate List

- Yellow Starthistle *Centaurea solstitialis* L.
- Grecian Foxglove *Digitalis lanata* Ehrh.
- Oriental Bittersweet *Celastrus orbicaulatus* Thunb.

Prohibited - Eradicate Noxious Weeds

Yellow Starthistle – *Centaurea solstitialis*



Annual – 1 – 3 ft tall

Many branched stems, leaves are covered with a cottony wool giving the plant a blue-green color appearance

Basal leaves are 2-6 inches long and deeply lobed upper leaves are shorter and narrow with few lobes

Yellow flowers with distinct sharp spines on the bracts

Highly Invasive! Contact MDA if Found

Reproduces by seed

Prohibited - Eradicate Noxious Weeds

Grecian Foxglove – *Digitalis lanata*



Perennial – 2 - 5 ft tall – rosette first year, bolts 2nd and subsequent years

Flowers form in elongated clusters at the top of reddish colored stems

Flowers are tubular in appearance, white to pale yellow with brownish venation inside

Flowering stems are covered with woolly hairs

Leaves are simple, alternate, oblong, with pointed tips

Reproduces by seed

Prohibited - Eradicate Noxious Weeds

Oriental Bittersweet – *Celastrus orbiculatus*



Perennial – Woody vine that grows up to 70 ft

Leaves are alternate, oblong to almost round, 2- 5 in. long by 1.5 – 4 inches wide, edges with rounded teeth

Separate male and female plants

Flowers occur in clusters of 2-7 in the leaf axils

Flowers produce green fruits that turn bright red with distinctive yellow capsules in the fall

Reproduces by seeds and roots

State Prohibited Noxious Weeds

Control List

- Purple Loosestrife *Lythrum salicaria* (L.)
- Garlic Mustard *Alliaria petiolata* (Bieb.)
- Spotted Knapweed *Centaurea stoebe* L.
- Leafy Spurge *Euphorbia esula* (L.)
- Wild Parsnip *Pastinaca sativa* L.
- Common Tansy *Tanacetum vulgare* L.
- Canada Thistle *Cirsium arvense* (L.) Scop.
- Musk Thistle *Carduus nutans* (L.)
- Plumeless Thistle *Carduus acanthoides* (L.)

Prohibited - Control Noxious Weeds

Purple Loosestrife – *Lythrum salicaria*



Perennial – 3 to 7 feet tall

Lance-shaped leaves with large showy purple flower spikes

Found primarily along river/streams, lake shores, wet roadsides, and wetlands

Reproduces by seed and fragments of roots or stems

Prohibited - Control Noxious Weeds

Garlic Mustard - *Alliaria petiolata*



Biennial – 12 to 36 inches tall

Only plant of this height in wooded landscapes during May with 4-petal white blooms

Crushed heart-shaped leaves/stems have strong garlic odor

Reproduces by seed

Prohibited - Control Noxious Weeds

Spotted Knapweed – *Centaurea stoebe*



Biennial (or short-term perennial)– 3 to 5 feet Tall

Erect/stout/branched stems

**Upper leaves alternate, are linear and not lobed.
basal leaves are deeply lobed**

**Purple flowers develop at the end of branched
stems from June – August.**

**Stiff bracts on flowers are tipped with black fringes
giving the flower a spotted appearance**

Reproduces by seed

Prohibited - Control Noxious Weeds

Leafy Spurge – *Euphorbia esula*



Perennial – 2 to 3 feet tall

Injured leaves and stems exude white sap

Yellow-green flowers surrounded by paired, heart-shaped bracts

Reproduces by seed, lateral roots, and root fragments

Prohibited - Control Noxious Weeds

Wild Parsnip – *Pastinaca sativa*



Biennial – 3 - 5 feet tall

Erect, stout, hollow stems with alternate compound leaves

Yellow flowers in a distinctive terminal umbel

Compounds in plant can cause severe skin burns

Reproduces by seed

Prohibited - Control Noxious Weeds

Common Tansy - *Tanacetum vulgare*



Perennial – 2 - 5 feet tall

Alternate leaves that are divided into numerous narrow – toothed segments (fern like)

Yellow button-like flowers in flat-topped clusters

Reproduces by seed and rootstalks

Prohibited - Control Noxious Weeds

Canada Thistle – *Cirsium arvense*



Perennial – 2 to 5 feet tall

New plants emerge as rosettes

Numerous small pinkish flowers on upper stems

Flower buds are small, tear drop-shaped, and lack spines

Smooth stems lack spines

Leaf edges are wavy/lobed with many spines

Reproduces by seeds and roots

Prohibited - Control Noxious Weeds

Musk Thistle – *Carduus nutans*



Biennial (rosette year 1, bolted year 2) – 2 to 7 feet tall

Leaves are dark green with light green midrib and are deeply lobed with spiny edges

Stems are branched and covered with spiny winged leaflets

Flowers are large (3 inch dia.), deep pink to rose in color, and surrounded by stout/pointed leaf-like bracts

Flowers are borne on long-smooth solitary stalks and tend to nod or droop (sometimes called nodding thistle)

Reproduces by seed

Prohibited - Control Noxious Weeds

Plumeless Thistle – *Carduus acanthoides*



Biennial (rosette year 1, bolted year 2) – 2 to 7 feet tall

Stems are branched and heavily covered with spiny winged leaflets

Leaves are wavy, deeply lobed, and edges are covered with yellow spines

Flowers are small (1 – 2 inches dia.), pink/rose in color, and surrounded by many spiny bracts

Reproduces by seed



State Restricted Noxious Weeds

Restricted Noxious Weeds are plants that are widely distributed in Minnesota and are detrimental to human or animal health, the environment, public roads, crops, livestock or other property, but whose only feasible means of control is to prevent their spread by prohibiting the importation, sale, and transportation of their propagating parts in the state except as allowed by Minnesota Statutes, Section 18.82. Plants designated as Restricted Noxious Weeds may be reclassified if effective means of control are developed.

- **Common or European Buckthorn**
Rhamnus cathartica (L.)
- **Glossy Buckthorn**
Frangula alnus (L.), *Rhamnus Frangula* (L.), and all cultivars

Restricted Noxious Weeds

European or Common Buckthorn

Rhamnus cathartica



Perennial shrub/tree – up to 25 feet tall

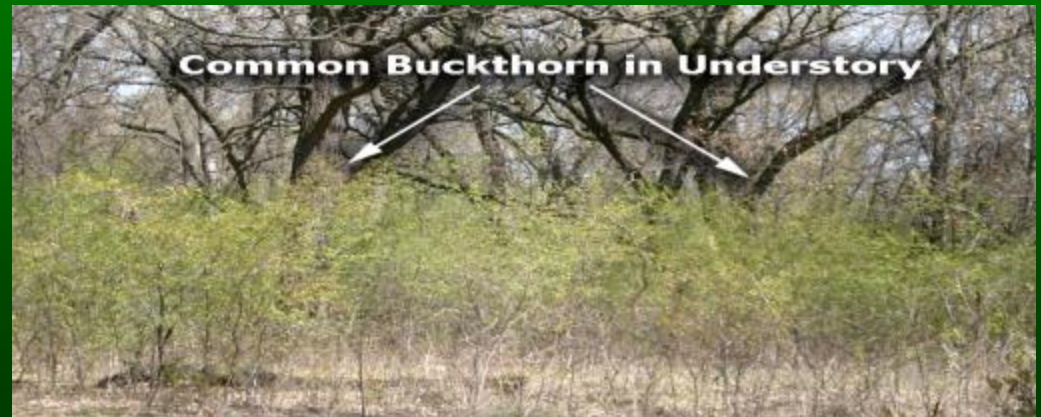
Leaves dark glossy green, smooth, oval, and finely toothed (stay green late into fall)

Leaf veins curve toward tip of leaf

Produces many small dark blue/black berries

Twigs grey with pale lenticels, spine tipped

Reproduces by seed, cut stumps will resprout



Restricted Noxious Weeds

Glossy or Alder Buckthorn

Frangula alnus, Rhamnus Frangula, and all cultivars



(similar to common buckthorn in appearance)

Perennial shrub/tree – up to 20 feet tall

Leaves glossy green on upper surface and may be fuzzy underneath, mostly oval; edges are untoothed and slightly wavy (stay green late into fall)



Twigs hairy, with pale lenticels, not spine tipped

Produces many small red to dark purple berries

Reproduces by seed, cut stumps can resprout

State Specially Regulated Plants

Specially Regulated Plants are plants that may be native species or have demonstrated economic value, but also have the potential to cause harm in non-controlled environments. Plants designated as specially regulated have been determined to pose ecological, economical, or human or animal health concerns. Plant specific management plans and or rules that define the use and management requirements for these plants will be developed by the Minnesota Department of Agriculture for each plant designated as specially regulated. Measures must also be taken to minimize the potential for harm caused by these plants.

- **Poison Ivy** *Toxicodendron radicans* (L.) Kuntze

Must be eradicated for public safety along rights-of-ways, trails, public accesses, business properties open to the public or on any lands where public access for business or commerce is granted.

Must also be eradicated along property borders when neighboring landowners request.

Specially Regulated Plants

Poison Ivy – *Toxicodendron radicans*



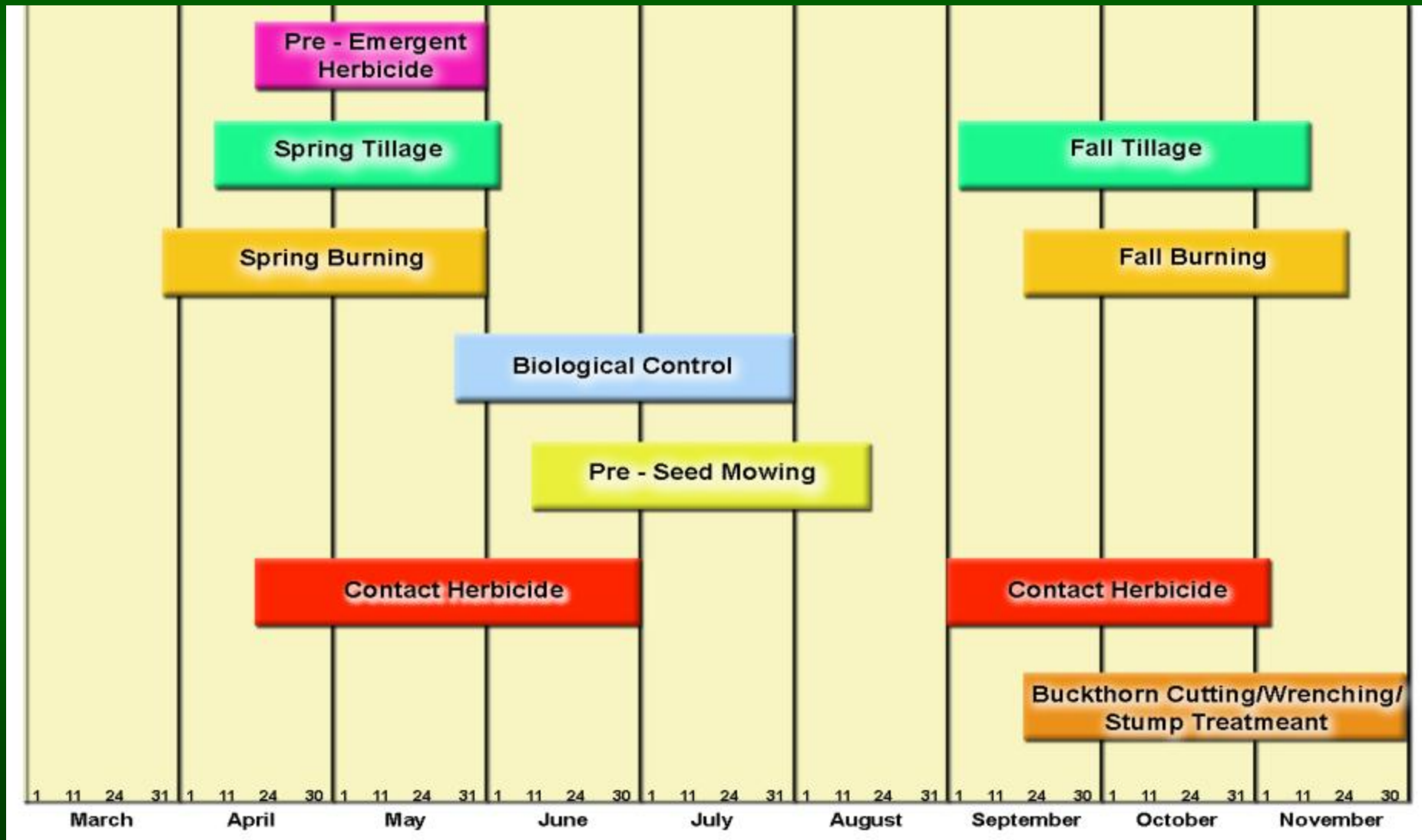
Perennial – 1- 3 ft tall, woody vine

Compound leaves with 3 distinct shiny-pointed leaflets (2-4 inches long)

Produces small clusters of white berries in leaf axils

Reproduces by seeds and roots

Windows of Opportunity for Weed Management Practices



More Information?

- 1) **Contact Your Local County Agricultural Inspector or County Designated Employee**
- 2) **U of M Weed Science Extension**
 - **Dr. Roger Becker** (612) 625-5753
- 3) **Minnesota Department of Agriculture**
 - **Steve Malone (Seeds)** (651) 201-6531
 - **Anthony Cortilet (Noxious Weeds)** (651) 201-6538
 - **Monika Chandler (biocontrol)** (651) 201-6537
- 4) **Minnesota Department of Transportation**
 - **Tina Markeson** (651) 366-3619
- 5) **Minnesota Department of Natural Resources**
 - **Laura Van Riper (DNR Invasive Species)** (651) 259-5090