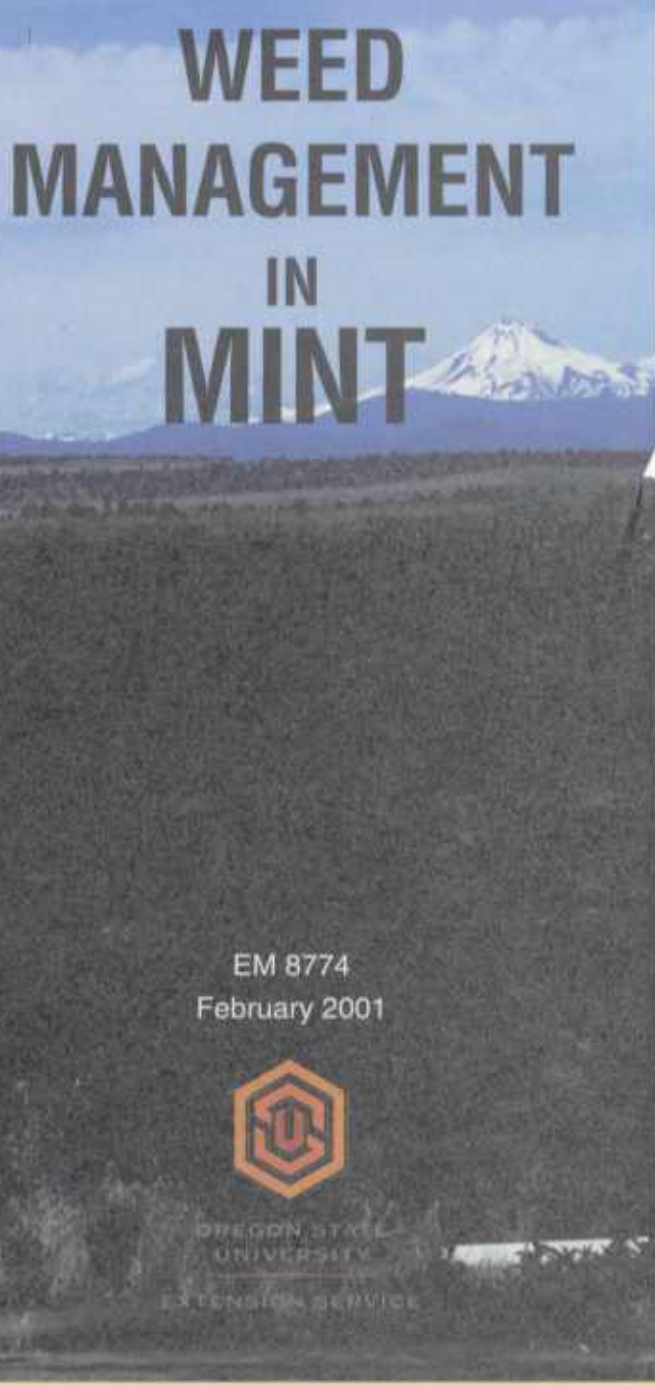


Weed Notes

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<p>Barnyardgrass <i>Echinochloa crus-galli</i></p> <p>Annual. Vigorous and numerous stems 1 to 5 feet tall with stem bases often red or purple. Flat, wide leaves without a ligule. Panicles often are red or purple.</p>			<p>Field bindweed <i>Convolvulus arvensis</i></p> <p>Perennial. Prostrate stems 1 to 4 feet in length form dense mats. Alternate leaves are arrowhead-shaped with rounded tips. Bell-shaped white or white-pink flowers measure 1 inch in diameter.</p>			<p>Nightshade, black <i>Solanum nigrum</i></p> <p>Annual. Erect glabrous or hairy stems ½ to 2 feet tall. Leaves are smooth to wavy edged. Young leaves often deep purple underneath. White or pale-blue flowers resemble those of potato or tomato.</p>			<p>Red orach <i>Atriplex rosea</i></p> <p>Annual. Erect with multiple branches up to 1 foot in height. Alternate leaves with wavy margin and silvery surf. Branches terminate with numerous inconspicuous flowers.</p>		
<p>Bittercress, little <i>Cardamine oligosperma</i></p> <p>Annual/Biennial. Erect stems branched at plant base form a basal rosette. Numerous leaflets increase in size along individual stems. Small, white flowers produced on stem ends. Mature seeds propelled from siliques when touched.</p>			<p>Filaree <i>Erodium cicutarium</i></p> <p>Annual/Biennial. Numerous stems 1 inch to 2 feet in length form a spreading rosette. Hairy leaves finely divided. Flowers are purple to pink in clusters of two or more.</p>			<p>Nightshade, hairy <i>Solanum sarrachoides</i></p> <p>Annual. Erect stem 1 to 2 feet tall. Leaves are hairy and sticky when touched. Flowers resemble those of potato or tomato.</p>			<p>Redroot pigweed <i>Amaranthus retroflexus</i></p> <p>Annual. Egg-shaped leaves are dull green on top and have defined veins. Underside of young leaves often red. Erect stem, often 2 to 3 feet tall, shaded red or red-striped and often hairy. Flowers arranged in large, spike-like flowers.</p>		
<p>Bluegrass, annual <i>Poa annua</i></p> <p>Annual. Flattened stems that are spreading or erect form dense clumps 2 to 12 inches long. Short leaves are bright green with the tip curved. Inflorescences on short, spreading branches.</p>			<p>Flixweed <i>Descurainia sophia</i></p> <p>Annual. Stem 8 to 24 inches high with finely dissected, alternately arranged leaves. Leaves covered with numerous branched hairs. Inflorescence forms a raceme with small yellow-green flowers. Seed capsules ½ to 1¼ inch long.</p>			<p>Nutsedge, yellow <i>Cyperus esculentus</i></p> <p>Perennial. Triangular stems emerge in groups of three and have grass-like, pale yellow leaves. Spreads primarily by underground tubers produced at end of rhizomes. Pale yellow or brownish flowers produced in spikelets.</p>			<p>Russian thistle <i>Salsola iberica</i></p> <p>Annual. Several branches form a rounded bush 1 to 3 feet tall. Lower leaves are long and string-like, while upper leaves are short and tipped with a stiff spine. Green flowers are produced in upper leaf axils and have spiny bracts.</p>		
<p>Buckwheat, wild <i>Polygonum convolvulus</i></p> <p>Annual. Prostrate with trailing stems. Leaves alternate, heart-shaped, with base pointing toward petiole. Papery sheath around stem at base of leaf petiole. Small, green flowers in leaf axils.</p>			<p>Foxtail, green <i>Setaria viridis</i></p> <p>Annual. Forms clumps up to 3 feet in height. Rough leaves are rolled in bud and have hairs only on the lower margin. Hairy ligule. Seedhead is “fox-tail”-like and pale green.</p>			<p>Pineappleweed <i>Matricaria matricarioides</i></p> <p>Annual. Erect, branched stem 1 foot tall. Leaves greatly divided or feathered. Branches terminate with yellow-green flowers. Pineapple odor when plant is crushed.</p>			<p>Ryegrass, Italian <i>Lolium multiflorum</i></p> <p>Annual. Erect stems often purplish at base and 1 to 2½ feet tall. Shiny, dark green leaves have prominent veins. Long spikes have spikelets that are alternate along the stem.</p>		
<p>Canada thistle <i>Cirsium arvense</i></p> <p>Perennial. Forms colony of plants interconnected by deep roots. Stems 1 to 4 feet tall and branched above. Leaves are alternate and lobed with spiny margins. Flowers are purple or occasionally white in heads ½ to ¾ inch in diameter.</p>			<p>Groundsel, common <i>Senecio vulgaris</i></p> <p>Annual/Biennial. Branched with taproot. Leaves are alternate and irregularly produced. Young leaves are hairy and purplish on the underside. Yellow disk flowers on several heads per plant.</p>			<p>Powell amaranth <i>Amaranthus powellii</i></p> <p>Annual. Leaves are shiny, entire, and lack hairs. Lower stem, particularly of seedlings, is tinged red. Often confused with redroot pigweed. Leaves are more diamond-shaped or pointed than redroot pigweed, and flower bracts are longer, pointed.</p>			<p>Salsify, common <i>Tragopogon porrifolius</i></p> <p>Biennial. Erect, 2 to 3 feet in height with leaves that resemble grasses. Branched taproot, leaves, and stems exude milky juice when injured. Purple flowers.</p>		
<p>Catchweed bedstraw <i>Galium aparine</i></p> <p>Annual. Numerous square stems often intertwined and up to 7 feet in length. Slender leaves with stiff hairs in whorls of six to eight. Minuscule, white flowers in leaf axils.</p>			<p>Horseweed <i>Conyza canadensis</i></p> <p>Annual. Young plants form rosette with softly toothed and hairy leaves. Mature plants produce a 2- to 5-foot stem that is terminally branched. Numerous small, white or pink flowers produced on stem branches.</p>			<p>Prickly lettuce <i>Lactuca serriola</i></p> <p>Annual/Biennial. Produces erect stems 2 to 4 feet in height from a basal rosette. Leaf margin and lower midrib lined with prickles. Exudes milky sap when injured.</p>			<p>Shepherdspurse <i>Capsella bursa-pastoris</i></p> <p>Annual. Lower leaves deeply lobed and form a basal rosette, while upper leaves are slightly toothed or entire on erect stems from 3 to 18 inches tall. Small, white flowers on end of elongated racemes. Fruits are heart-shaped.</p>		
<p>Chickweed, common <i>Stellaria media</i></p> <p>Annual. Prostrate, branched stems form mat 4 to 12 inches tall. Lower leaves small with petioles; upper leaves lack petioles, are up to 1½ inches long. Numerous white flowers; petioles shorter than sepals.</p>			<p>Knotweed, prostrate <i>Polygonum aviculare</i></p> <p>Annual. Prostrate with multiple stems 1 to 3 feet in length. Stems swollen at each branch. Leaves slender and hairless with papery sheath at leaf base. Clusters of small, pink flowers are produced in leaf axils.</p>			<p>Puncturevine <i>Tribulus terrestris</i></p> <p>Annual. Plants form mat with trailing stems 3 to 5 feet in length. Hairy leaves are opposite and divided into four to eight pairs of leaflets. Fruits consist of five sharp, piercing spines.</p>			<p>Sorrel, red <i>Rumex acetosella</i></p> <p>Perennial. Woody stem ½ to 2 feet tall with few branches. Lower leaves arrowhead-shaped; upper leaves slender and often without lobes. Red-orange or orange-yellow flowers on terminal branches.</p>		
<p>Dandelion, common <i>Taraxacum officinale</i></p> <p>Perennial. Tap-rooted. Forms a basal rosette of toothed leaves. Yellow flowers produced on leafless stalks. Vegetative parts exude milky sap when injured.</p>			<p>Kochia <i>Kochia scoparia</i></p> <p>Annual. Erect, 1 to 6 feet in height with multiple branches. Slender, alternate leaves are smooth on top and hairy below. Flowers form short spikes in axils of upper leaves.</p>			<p>Quackgrass <i>Elytrigia repens</i></p> <p>Perennial. Erect stems 1 to 3 feet tall rise from shallow below-ground rhizomes. Leaf blades are flat and have small claw-like auricles that wrap around the leaf sheath. Short spikelets arranged in two rows.</p>			<p>Sowthistle, annual <i>Sonchus oleraceus</i></p> <p>Annual. Erect fleshy stem 1 to 4 feet in height with deeply lobed leaves. Lower leaves with one to three lobes along each side, upper leaves often not lobed. Numerous pale yellow flowers.</p>		
<p>Downy brome <i>Bromus tectorum</i></p> <p>Annual or winter annual. 4 to 30 inches tall with densely hairy leaf sheaths and blades. Inflorescence usually is drooping and one-sided. Awns are ¾ to ¾ inch long and often slightly purple at maturity.</p>			<p>Lambsquarters, common <i>Chenopodium album</i></p> <p>Annual. Erect with branched stem up to 5 feet in height. Leaves are irregularly toothed and dusted with a grey, mealy coating. Inconspicuous flowers produced on upper stem ends and in leaf axils.</p>			<p>Rattail fescue <i>Vulpia myuros</i></p> <p>Annual. Up to 2 feet tall. Narrow leaf blades are folded and hairless. Panicles are slender and up to 8 inches in length. Awns are ¾ to ¾ inch long.</p>			<p>Tumble mustard <i>Sisymbrium altissimum</i></p> <p>Winter annual. 2 to 5 feet tall. Branched upper stem creates bushy appearance. Lower leaves large, coarsely divided into leaflets; upper leaves small, less divided. Yellow flowers form small raceme.</p>		



Weed terms

Awn—A slender, usually terminal bristle.
Axil—The angle between a leaf and stem.
Bract—A small, leaf-like structure below a flower.
Glabrous—Smooth; without hairs.
Ligule—A thin, membranous outgrowth or fringe of hairs from the base of a grass blade.
Panicle—Loose, irregularly compound flowering part of a plant with flowers borne on individual stalks.
Petiole—Stem or stalk of a leaf.
Raceme—Arrangement of flowers along a stem on individual stalks about equal in length.
Rosette—Compact cluster of leaves arranged in an often basal circle.
Sepal—The outer, leaf-like part of a flower.
Siliques—Elongated capsule with two separate valves.
Spikelet—Flower cluster in grasses consisting of usually two basal bracts and one or more florets.

Authors: Jed Colquhoun, Extension weed specialist; Bill Brewster, senior instructor in crop and soil science, and Carol Mulbry-Smith, associate professor in crop and soil science; Oregon State University.

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Use herbicides safely!

- Wear protective clothing and safety devices as recommended on the label. Bathe or shower after each use.
- Read the label—even if you've used the product before. Follow closely the instructions on the label (and any other directions you have).
- Be cautious when you apply herbicides. Know your legal responsibility as a pesticide applicator. You may be liable for injury or damage resulting from herbicide use.



Witchgrass *Panicum capillare*

Annual. Erect, 1 to 2 feet tall and softly hairy throughout. Leaves broad and somewhat wavy. Spikelets in an open, branched panicle.