

# Weed Awareness

Seven plants have been designated as "noxious weeds" Nebraska. Five of these can be found in Lancaster County:



**Musk Thistle**

(1,040 reported infestations in 2002)



**Leafy Spurge**

(307 reported infestations in 2002)



**Purple Loosestrife**

(143 reported infestations in 2002)



**Plumeless Thistle**

(12 reported infestations in 2002)



**Canada Thistle**

(12 reported infestations in 2002)

## Key Herbicides for Weed Control

### Tordon 22K



**Active Ingredient:** Picloram

**Introduction:** Provides the best control of noxious and other perennial weeds.

**Labeled Crops:** Tordon 22K herbicide is labeled for use in areas west of the Mississippi River on rangeland and permanent grass pastures, fallow cropland, non-cropland and CRP.

**Overview:** Tordon is an important tool to help you manage noxious weeds like leafy spurge, field bindweed, knapweed and thistles for long-term control. Plus, Tordon controls the most troublesome perennial weeds brush species, including pricklypear and cedar trees.

**Application Timing:** Treatment and application information can be very specific to the target weed species. Specific rate, application timing and treatment information for Tordon 22K is listed on the label.

### Grazon P+D



**Active Ingredient:** Picloram + 2,4-D

**Introduction:** Provides convenient, broad-spectrum control of annual and perennial broadleaf weeds in rangeland and pasture.

**Labeled Crops:** For the control of broadleaf annual, perennial weeds and certain woody species on rangeland and permanent grass pastures.

**Overview:** A convenient mix of the active ingredients Picloram and 2,4-D means Grazon P+D is effective against a broader spectrum of annual and perennial weeds than 2,4-D alone, while providing longer-lasting control. Grazon P+D is foliar- and soil-active. The unique chemistry translocates throughout the weed to control the entire plant, even the roots. Yet it's gentle to desirable grasses. And, in most cases, Grazon P+D has no grazing restrictions except for lactating dairy animals (allow seven days).

**Application Rates:** When this product is applied to early emerging weeds at two pints per acre, excellent broad-spectrum broadleaf weed control is obtained. As the season goes on and weeds become larger, higher rates of herbicide, up to four pints per acre, will be needed. (See label for recommendations.)

**Mixing Instructions:** To provide more complete wetting of the foliage, use the recommended rate of an agricultural surfactant. Using a drift-control



### DuPont Vegetative Management Selective Herbicides

These herbicides are part of the DuPont family of sulfonylurea herbicides. They are characterized by very low use rates — typically 1/4 to 2 ounces per acre. This is beneficial because it decreases the load of chemicals in our environment relative to higher use rate products. These herbicides are less toxic to animals, birds, insects and fish than currently registered herbicides. Escort® XP and Telar® DF provide a reduction of the undesirable weed population to rapidly help reclaim the area for desirable vegetation.

**Escort® XP Herbicide:** Grasses exhibit excellent tolerance to this selective herbicide while it controls noxious and problem weeds as well as many woody plants on non-crop, range, pasture, federal lands and roadsides.

**Telar® DF Herbicide:** Most perennial grasses demonstrate excellent tolerance to this selective herbicide while it controls certain difficult-to-control noxious and problem weeds on non-crop sites such as roadsides, fence rows, plant sites or federal lands. It has recently been labeled for use on pasture, range and Conservation Reserve Program (CRP).

## What's New with Herbicides

### Plateau



**PLATEAU®** herbicide, developed by BASF, is labeled for control of a wide range of broadleaf, invasive and noxious weeds (including leafy spurge) while allowing desirable grasses, shrubs, forbs and wildflowers to flourish. BASF is stopping the sales of this herbicide to private individuals. Suppliers may have one-gallon containers available in their inventories. They may continue selling in cases of two, one-gallon containers until the supply is gone.

for controlling undesirable emergent, shoreline and woody wetland aquatic vegetation in and around standing and flowing water.

Habitat herbicide is a systemic herbicide that delivers down-to-the-roots aquatic and riparian weed control, enabling users to cost-effectively reclaim and maintain waterways and wetlands that have lost value due to emergent invasive species. It provides very effective control of nuisance weeds and invasive plants such as phragmites, water hyacinth, saltcedar and purple loosestrife.

target weed species, making Overdrive an ideal complement or alternative to existing mowing and herbicide strategies for use in roadside vegetation management strategies.

Overdrive controls over 90 annual broadleaf weeds, including kochia, Russian thistle, marehail, sowthistle and prostate spurge, as well as more than 50 biennial and perennial weeds, such as musk thistle, yellow starthistle, Canada thistle, western ragweed and horsenettle. Ideal for application along roadsides, Overdrive is also well

### Habitat



**Habitat®** Herbicide has received full label approval from EPA for Aquatic Weed Control. Habitat, a BASF herbicide, is labeled

### Overdrive



Overdrive® Herbicide, a novel formulation of dicamba and diflufenopyr (DFFP). Overdrive reduces dicamba use by half, with consistent or improved control of

suited for rangeland and bareground. It has been shown to increase the effectiveness of the control of leafy spurge when tank mixed with Tordon 22K.

## Calibrating a Boom Sprayer

The simplest method of calibrating sprayer equipment is using the volume method.

1. Place the sprayer on level ground and fill tank with water to a line marked on the tank.
2. Mark the start of your calibrating course with a stake and measure off the distance required to make 1/10 acre. There is 43,560 square feet in an acre. There is 4,356 square feet in 1/10 acre. Calculating distance required to make 1/10 acre: Divide 4,356 by width of the boom. For example, the calculation for the 15 foot boom width would be 4,356 divided by 15



3. Spray the length of the course. As you pass the starting mark, open the valve and drive at the speed you will be using when spraying.
4. Shut off the valve as you pass the mark at the end of your calibrating

course. Return the sprayer to level ground and measure carefully the amount of water needed to refill the tank to the mark on the tank. A gallon jug or a pail with quantity markings shown on the side may be used for the measurement. Multiply the amount required to fill the tank back

5. Mix the per acre rate of herbicide with the quantity of water you have determined your sprayer will be applying per acre.