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U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (H7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:  
62719-305

Date of Issuance:  
OCT 14 1998

**NOTICE OF PESTICIDE:**  
 Registration  
 Reregistration

Term of Issuance:  
Conditional

Name of Pesticide Product:  
Lontrel Turf and Ornamental

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):  
Dow AgroSciences  
9330 Zionville Road  
Indianapolis, IN 46268

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

In the event of a change in ownership of the above named pesticide or in the name of the registrant, the registrant must file a change of ownership with the Federal Insecticide, Fungicide, and Rodenticide Act.

Registration of a pesticide is not to be construed as an endorsement or recommendation of such pesticide by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any data in connection with the registration of a pesticide under this Act is not to be construed as giving the registrant an implied exclusive use of the name of the pesticide if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the following label changes:
  - a. Revise the EPA Registration Number to read, "EPA Reg. No. 62719-305".
  - b. In the chart under the heading entitled "Application Directions" on page 8, revise "0,5 fl oz" to read as "0.5 fl oz."
3. Submit two (2) copies of the revised final printed label for the record.

A stamped copy of the label is enclosed for your records.

Signature of Approving Official:

Date:  
OCT 14 1998

*Handwritten signature/initials*

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If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

Joanne I. Miller  
Product Manger (23)  
Herbicide Branch  
Registration Division (7505C)

Enclosure

(Base Label)

# Lontrel\* Turf and Ornamental

For selective postemergence control of broadleaf weeds in turf, sod farms, and certain ornamental plantings, such as conifers and non-leguminous woody species

Active Ingredient:

|  |        |
|--|--------|
| clopyralid: 3,6-dichloro-2-pyridinecarboxylic acid, monoethanolamine salt..... | 40.9%  |
| Inert Ingredients .....  | 59.1%  |
| Total .....  | 100.0% |

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

OCT 14 1998

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 62719-305

Acid Equivalent: clopyralid: 3,6-dichloro-2-pyridinecarboxylic acid - 31% - 3 lb/gal

Keep Out of Reach of Children

## CAUTION      PRECAUCION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

### Precautionary Statements

#### Hazards to Humans and Domestic Animals

Causes Eye Injury • Harmful If Inhaled Or Absorbed Through Skin

Avoid contact with eyes, skin, or clothing. Avoid breathing spray mist.

#### Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

#### First Aid

If in eyes: Flush with plenty of water. Get medical attention if irritation persists.

If on skin: Wash with plenty of soap and water. Get medical attention.

#### Environmental Hazards

Do not contaminate water when disposing of equipment wash waters. Do not contaminate water used for irrigation or domestic purposes. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark.



(Label Booklet Cover)

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**Agricultural Use Requirements**  
 Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

Refer to inside of label booklet for additional precautionary information including Personal Protective Equipment (PPE), User Safety Recommendations, and Directions for Use including Storage and Disposal.

**Notice:** Read the entire label. Use only according to label directions. Before buying or using this product, read "Warranty Disclaimer" and "Limitation of Remedies" inside label booklet.

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994. If you wish to obtain additional product information, visit our web site at [www.dowagro.com](http://www.dowagro.com).

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-XXX

EPA Est. 464-MI-1

\*Trademark of Dow AgroSciences LLC  
 Dow AgroSciences LLC • Indianapolis, IN 46268 USA

## Herbicide

Net Contents XXX

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(page 1 through end)

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**Precautionary Statements**

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**Hazards to Humans and Domestic Animals**

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**CAUTION****Causes Eye Injury • Harmful If Inhaled Or Absorbed Through Skin****Avoid contact with eyes, skin, or clothing. Avoid breathing spray mist.****Personal Protective Equipment (PPE)****Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**User Safety Recommendations**

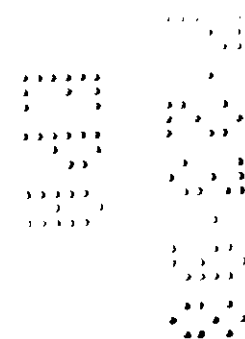
Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

**First Aid****If in eyes:** Flush with plenty of water. Get medical attention if irritation persists.**If on skin:** Wash with plenty of soap and water. Get medical attention.**Environmental Hazards**

Do not contaminate water when disposing of equipment wash waters. Do not contaminate water used for irrigation or domestic purposes. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark.

Clopyralid is a chemical which can travel (seep or leach) through soil and under certain conditions contaminate groundwater which may be used for irrigation or drinking purposes. Users are advised not to apply clopyralid where soils have a rapid to very rapid permeability throughout the profile (such as loamy sand to sand) and the water table of an underlying aquifer is shallow, or to soils that would allow direct introduction into an aquifer. Your local agricultural agencies can provide further information on the type of soil in your area and the location of groundwater.

**Physical or Chemical Hazards****Do not use or store near heat or open flame.**

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### Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

### Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Waterproof gloves
- Shoes plus socks

### Non-Agricultural Use Requirements

The requirements of this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms or nurseries: When Lontrel Turf and Ornamental is applied to lawns, landscape areas, or golf courses, keep unprotected persons out of treated areas until sprays have dried.

### Storage and Disposal

Do not contaminate water, food, or feed by storage or disposal.

**Storage:** Store above 28°F or warm to 40°F and agitate before use.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Metal Container Disposal:** Do not reuse container. Triple rinse (or equivalent). Puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**Plastic Container Disposal:** Do not reuse container. Triple rinse (or equivalent). Puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

### General Information

Lontrel® Turf and Ornamental herbicide is recommended for selective postemergence control of broadleaf weeds in turf, sod farms, and certain woody ornamental plantings, such as conifers and tolerant woody species.

### General Use Precautions

- Do not contaminate irrigation ditches or water used for irrigation or domestic purposes.
- Do not apply by aircraft.
- Do not use in a greenhouse.
- Do not make broadcast applications to ornamental plantings in landscape settings, however, spot

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applications are permissible.

- To avoid plant injury, do not apply to exposed roots of shallow rooted trees and shrubs such as legumes (pod bearing plants such as acacia, locust, mimosa, redbud, or mesquite) or littleleaf linden (*Tilia cordata* and other *Tilia* species).
- Do not allow sprays of this product to contact exposed suckers and/or roots of susceptible trees or shrubs or injury may occur.
- Do not reseed turf for three weeks after application.
- Do not use Lontrel Turf and Ornamental on golf course putting greens or tees.
- Do not apply this product in tank mix to woody ornamental plants.
- Do not use grass clippings from treated turf for mulching.
- Do not use compost containing grass clippings from treated turf in the growing season of application.
- In California, the maximum use rate is 2/3 pint/acre per growing season.
- **Chemigation:** Do not apply this product through any type of irrigation system.

### Crop Rotation Restrictions

Residues of this product in treated plant tissues which have not completely decayed may affect succeeding susceptible crops. Do not rotate to susceptible broadleaf plantings for 10.5 months after application of this product or 18 months if soil contains less than 2% organic matter. A field bioassay is recommended prior to planting certain plant species which may be highly sensitive to clopyralid such as members of the legume family. These recommendations are based on average annual precipitation, regardless of irrigation practices. Use of this product in accordance with these rotational recommendations, if followed, is not expected to result in crop injury. However, because this product is dissipated in the soil by microbial activity and the rate of microbial activity is dependent on soil moisture, temperature and organic matter, accurate prediction of potential rotational crop injury is impossible. In areas of low organic matter (<2.0%) and less than 15 inches average annual precipitation, potential for crop injury may be reduced by removal of plant residues, supplemental fall irrigation and deep tillage prior to planting a sensitive crop.

**Field Bioassay Instructions:** Using typical tillage practices, and establishment practices for a particular crop, make limited plantings of the potentially sensitive plant variety across the area previously treated with this product. Plants should also be located so that different field conditions are encountered including differences in soil texture, pH, and drainage. If the intended crop does not show visible symptoms of injury within 90-120 days, the sensitive crop in question can be established in the treated area in the growing season following the bioassay. If visible injury occurs, the intended sensitive crop should not be planted, and the bioassay repeated the following growing season.

### Advisory Statements

#### Treatment of Plant Species Not Listed on the Label (Nursery and Turfgrass Use Only)

Users who wish to use Lontrel Turf and Ornamental on ornamental plant and turfgrass species not recommended on this label may determine the suitability for use by treating a small area of turf or small number of ornamental plants at a recommended rate. Prior to treatment of larger areas, treated plants should be observed for any symptoms of herbicidal injury, such as foliar damage, reduced vigor or stand reduction, during 30-60 days of normal growing conditions to determine if the treatment is non-injurious. The user assumes responsibility for any plant damage or other liability resulting from use of Lontrel Turf and Ornamental on ornamental plant species not recommended in this label.

#### Precautions for Avoiding Injury to Non-target Plants

This product can affect susceptible broadleaf plants directly through foliage and indirectly by root uptake from treated soil. Therefore, do not apply this product directly to or allow spray drift to come in contact with flowers, grapes, tomatoes, potatoes, beans, lentils, peas, alfalfa, sunflowers, soybeans, safflower, or other susceptible broadleaf crops or ornamental plants or soil where these crops will be planted the same season.

**Avoid spray drift:** Avoid spray drift since very small quantities of the spray, which may not be visible, may severely injure susceptible crops during active growth or dormant periods. Use coarse sprays to



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minimize drift. Where necessary, a drift control or deposition agent suitable for agricultural use may be used with this product to aid in reducing spray drift. If used, follow all use recommendations and precautions on the product label.

To minimize spray drift, apply this product in a total spray volume of 20 or more gallons per acre as large-droplet, low-pressure spray. Refer to the spray equipment manufacturer's recommendations for additional information on spray volume, spray pressure, sprayer speed, type and arrangement of nozzles, height of nozzles above the target canopy, etc. Spray drift can be lessened by keeping the spray boom as low as possible; by using no more than 30 pounds per square inch (psi) spraying pressure with large droplet-producing nozzle tips; by using larger nozzle tips rather than increasing pressure to increase spray volume; by spraying when wind velocity is low. Do not apply with hollow cone-type insecticide nozzles or other nozzles that produce a fine-droplet spray. Keep operating spray pressures at the lower end of the manufacturer's recommended pressure range for the specific nozzle type used. Low pressure nozzles are available from spray equipment manufacturers. Select nozzles and pressures that provide adequate plant coverage but minimize the production of fine spray particles. Avoid application under completely calm conditions which may be conducive to air inversions.

#### Sprayer Clean-Out

To avoid injury to desirable plants, equipment used to apply this product should be thoroughly cleaned before re-using to apply any other chemicals.

1. Rinse and flush application equipment thoroughly after use at least three times with water. Dispose of all rinse water by application to treatment area or apply to non-cropland area away from water supplies.
2. During the second rinse, add 1 qt of household ammonia for every 25 gallons of water. Circulate the solution through the entire system so that all internal surfaces are contacted (15-20 min). Let the solution stand for several hours, preferably overnight.
3. Flush the solution out of the spray tank through the boom.
4. Rinse the system twice with clean water, recirculating and draining each time.
5. Remove nozzles and screens and clean separately.

#### Mixing Instructions

1. Add 3/4 of the required spray volume to the spray tank and start agitation.
2. Add the required amount of Lontrel Turf and Ornamental.
3. Add any surfactants, adjuvants or drift control agents according to manufacturer's label.
4. Agitate during final filling of the spray tank and maintain sufficient agitation during application to ensure uniformity of the spray mixture.

#### Tank Mixing (Turf Only)

Lontrel Turf and Ornamental may be applied in tank mix combination with labeled rates of other products provided (1) the tank mix product is labeled for the use site (timing and method of application is the same as Lontrel Turf and Ornamental); and (2) tank mixing with Lontrel Turf and Ornamental is not prohibited by the label of the tank mix product.

#### Tank Mixing Precautions:

- Read carefully and follow all applicable use directions, precautions, and limitations on the respective product labels.
- Do not exceed recommended application rates. If products containing the same active ingredient are tank mixed, do not exceed the maximum allowable active ingredient use rates.
- For products packaged in water soluble packaging, do not tank mix with products containing boron or mix in equipment previously used to apply a product mixture containing boron unless the tank and spray equipment has been adequately cleaned. (See instructions for Sprayer Clean-Out.)
- Always perform a (jar) test to ensure the compatibility of products to be used in tank mixture.

**Tank Mix Compatibility Testing:** A jar test is recommended prior to tank mixing to ensure compatibility of Lontrel Turf and Ornamental and other pesticides or carriers. Use a clear glass jar with lid and mix the

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tank mix ingredients in their relative proportions. The tank mixture is compatible if the materials mix readily when the jar is inverted several times. The mixture should remain stable after standing for ½ hour or, if separation occurs, should readily mix if agitated. An incompatible mixture is indicated by separation into distinct layers which do not readily remix when agitated and the presence of large flakes, precipitates, gels, or heavy oily film on the jar.

## Application Directions

### Application Timing

Apply to actively growing weeds. Extreme growing conditions such as drought or near freezing temperatures prior to, at, and following time of application may reduce weed control and increase the risk of crop injury at all stages of growth. This product is effective only on weeds emerged at the time of application. If foliage is wet at the time of application, control may be decreased. This product becomes rainfast within 2 hours after application.

### Spray Coverage

Use sufficient spray volume to provide thorough and uniform spray coverage of target weeds. For best results, apply in a spray volume of 20 or more gallons per acre. In general, spray volume must be increased as crop canopy, height and weed density increase in order to obtain equivalent weed control. Use only nozzle types and spray equipment designed for herbicide application.

### Use of Adjuvants

Addition of surfactants, crop oils, or other adjuvants is not usually necessary when using this product. Adding a surfactant to the spray mixture may increase effectiveness on weeds but may reduce selectivity to the crop, particularly under conditions of plant stress. If an adjuvant is added to the spray solution, follow all manufacturer use guidelines.

### Spot Treatments

To prevent misapplication, spot treatments should be applied with a calibrated boom or with hand sprayers using a fixed spray volume per 1,000 sq ft as indicated below.

**Hand Held or Backpack Sprayer Application:** Hand-held sprayers may be used for treatment of smaller areas if care is taken to apply the spray uniformly and at a rate equivalent to a broadcast application. Application rates in the table are based on an area of 1,000 sq ft. Mix the amount of Lontrel Turf and Ornamental (fl oz or ml) corresponding to the desired broadcast rate in the spray volume needed to treat 1000 sq ft. To calculate the amount required for larger areas, multiply the table value (fl oz or ml) by the area to be treated in "thousands" of square feet, e.g., if the area to be treated is 3,500 sq ft, multiply the table value by 3.5 (calc.  $3,500 \div 1,000 = 3.5$ ). An area of 1000 sq ft is approximately 10.5 X 10.5 yards (strides) in size.

**Amount of Lontrel Turf and Ornamental per 1000 Square Feet to Equal Specified Broadcast Rate**

| 1/4 pt/acre                         | 1/3 pt/acre           | 1/2 pt/acre           | 2/3 pt/acre           | 1 pt/acre            | 1 1/3 pt/acre        |
|-------------------------------------|-----------------------|-----------------------|-----------------------|----------------------|----------------------|
| 1/10 fl oz <sup>†</sup><br>(2.7 ml) | 1/8 fl oz<br>(3.6 ml) | 1/5 fl oz<br>(5.4 ml) | 1/4 fl oz<br>(7.3 ml) | 3/8 fl oz<br>(11 ml) | 0.5 fl oz<br>(15 ml) |

<sup>†</sup>1 fl oz = 29.6 (30) ml

## Weeds Controlled and Use Rate Recommendations

For best results apply Lontrel Turf and Ornamental when weeds are small and actively growing. For control of weeds such as Canada thistle and knapweeds, apply after the majority of the basal leaves have emerged, but before bud stage. Later application may result in less consistent control.

**Note:** Use higher rates when hard to control species are prevalent or when applications are made in late summer or on mature weeds or during periods of drought stress.

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In California, the maximum use rate is 2/3 pint/acre per growing season.

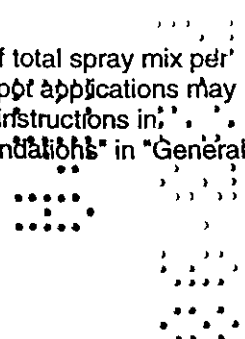
| Weeds Controlled   | Suggested Application Rate |                                 |
|--|----------------------------|---------------------------------|
|  | (pt/acre)                  | (fl oz/1000 sq ft) <sup>†</sup> |
| black medic<br>dock (curly, broadleaf)<br>galinsoga<br>goldenrod<br>mayweed, stinking<br>nightshade (Eastern<br>black, cutleaf, hairy)<br>pineappleweed  | 1/4 - 1/3                  | 1/10 - 1/8<br>(2.7 - 3.6 ml)    |
| clover (red, hop, white,<br>sweet)   | 1/3 - 1/2                  | 1/10 - 1/5<br>(3.6 - 5.4 ml)    |
| artichoke, Jerusalem<br>cocklebur, common<br>coffeeweed<br>goldenrod<br>hawksbeard, narrowleaf<br>jimsonweed<br>marshelder<br>musk thistle<br>speedwell<br>starthistle, yellow<br>sunflower<br>vetch, common | 1/2                        | 1/5<br>(5.4 ml)                 |
| ragweed - (common, giant)<br>smartweed<br>buckwheat, wild  | 1.0                        | 3/8<br>(11 ml)                  |
| <b>Weeds Suppressed -<br/>Repeat Treatment May Be<br/>Necessary</b><br>buffalo bur<br>buttercup, hairy<br>knapweed, Russian<br>ladysthumb<br>plantain, broadleaf<br>sowthistle, perennial                    | 1 1/3                      | 1/2<br>(15 ml)                  |

<sup>†</sup>For treatment of small areas, see instructions for spot treatment and use of hand-held or backpack sprayers, above.

**Approved Uses**

**Turf Grasses**

Apply Lontrel Turf and Ornamental in enough water to deliver 20 or more gallons of total spray mix per acre. Higher application volumes may be used when tank mixed with fertilizers. Spot applications may be applied at equivalent broadcast rates using hand-held application equipment (See instructions in "Application Information" section). See "Weeds Controlled and Use Rate Recommendations" in "General Information" section.



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Lontrel Turf and Ornamental is recommended for use on the following turf species:

#### Established Cool Season Turf Grasses

##### Common Name

bentgrass  
bluegrass, Kentucky  
fescue, chewing  
fescue, creeping red  
fescue, sheeps  
fescue, tall  
ryegrass, perennial

##### Scientific Name

*Agrostis* species  
*Poa pratensis*  
*Festuca rubra* var. *commutata*  
*Festuca rubra*  
*Festuca ovina*  
*Festuca arundinaceae*  
*Lolium perenne*

#### Established Warm Season Turf Grasses

##### Common Name

bahiagrass  
Bermudagrass  
buffalograss  
centipedegrass  
zoysiagrass  
zoysiagrass  
St. Augustinegrass  
fescue, tall (growing in warm season areas)

##### Scientific Name

*Paspalum notatum* var. *saurae parodi*  
*Cynodon dactylon*  
*Buchloe dactyloides*  
*Eremochloa ophiuroides*  
*Zoysia japonica*  
*Zoysia tenuifolia*  
*Stenotaphrum secundatum*  
*Festuca arundinaceae*

**Note:** Lontrel Turf and Ornamental may discolor and/or stunt turf that is not well-established or is stressed or weakened due to unfavorable climatic conditions, temperature extremes, drought, nematodes, or other factors which damage or weaken turf. To avoid unacceptable turf injury, apply Lontrel Turf and Ornamental only to healthy, well-established turf that has a well-anchored root system.

## Ornamentals

Lontrel Turf and Ornamental may be used for selective postemergence control of labeled broadleaf weeds in new and established plantings of selected woody ornamentals. See "Weeds Controlled and Use Rate Recommendations" in "General Information" section.

#### Use Precautions:

- Due to the wide variety of plants found in **landscape settings** and to avoid injury to non target species do not make broadcast applications, but use spot and directed sprays on labeled ornamental species only in landscape settings.
- Do not apply Lontrel Turf and Ornamental to legumes (pod bearing plants such as acacia, locust, mimosa, redbud, or mesquite) or littleleaf linden (*Tilia cordata* and other *Tilia* species). Lontrel Turf and Ornamental is also highly active on composites such as perennial daisies and sunflowers, and solanaceae (nightshade) species such as potato vine and Jerusalem cherry. Do not allow spray or spray drift to come in contact with desirable plants belonging to these families or severe plant injury or death may occur.
- Do not tank mix Lontrel Turf and Ornamental with other herbicides labeled for use in ornamentals.
- Do not apply to container grown ornamentals.
- For treatment of nursery ornamentals not found in this section refer to "Advisory Statements" section.

#### Application

**Nursery - Broadcast:** Apply as an over-top broadcast foliar spray or as a directed spray as noted. Apply in 20 or more gallons per acre total spray volume using ground equipment only. Multiple applications may be made as long as the total rate per growing season does not exceed 1 1/3 pints/acre. In California, the maximum use rate is 2/3 pint/acre per growing season. Apply to new plantings only after they are well-established. See Weeds Controlled and Use Rate Recommendations in General Information section.

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**Spot Treatment - Landscape and Nursery:** Spot treatments using hand held equipment are also allowed, but contact with tree foliage should be avoided or limited to lower branches. Apply to weeds on a spray-to-wet basis with spray coverage uniform and complete. See additional instructions for spot applications using hand-held application equipment in "Application Directions" section.

**Lontrel Turf and Ornamental May be Used on the Following Established Plant Species:**

**Trees**

| Common Name             | Scientific Name              | Recommended Method of Application <sup>†</sup> |
|-------------------------|------------------------------|--|
| dogwood, flowering      | <i>Cornus florida</i>        | D  |
| fir, balsam             | <i>Abies balsamea</i>        | O, D   |
| fir, Douglas            | <i>Pseudotsuga menziesii</i> | O, D   |
| fir, fraser             | <i>Abies fraseri</i>         | O, D   |
| fir, grand              | <i>Abies grandis</i>         | O, D   |
| fir, noble              | <i>Abies procera</i>         | O, D   |
| maple, red              | <i>Acer rubrum</i>           | D  |
| oak, red                | <i>Quercus rubra</i>         | D  |
| oak, willow             | <i>Quercus phellos</i>       | D  |
| pine, lodgepole         | <i>Pinus contorta</i>        | O, D   |
| pine, ponderosa         | <i>Pinus ponderosa</i>       | O, D   |
| pine, Scotch            | <i>Pinus strobus</i>         | O, D   |
| pine, white             | <i>Pinus sp.</i>             | O, D   |
| spruce, Norway          | <i>Picea abies</i>           | O, D   |
| spruce, white           | <i>Picea glauca</i>          | O, D   |
| spruce, Colorado (blue) | <i>Picea pungens</i>         | O, D   |
| sycamore, American      | <i>Platanus occidentalis</i> | D  |

<sup>†</sup>O=Overtop spray; D=Directed Spray

**Shrubs**

| Common Name                     | Scientific Name                                     | Recommended Method of Application <sup>†</sup> |
|---------------------------------|---|--|
| arborvitae, American            | <i>Thuja occidentalis</i>                           | O, D   |
| arborvitae, nigra-dark American | <i>Thuja occidentalis</i>                           | O, D   |
| azalea, hino-crimson            | <i>Rhododendron obtusum</i>                         | O, D   |
| boxwood, littleleaf             | <i>Buxus microphylla</i>                            | O, D   |
| cinquefoil                      | <i>Potentilla fruticosa</i>                         | D  |
| juniper, shore                  | <i>Juniperus conferta</i>                           | O, D   |
| juniper, blue rug               | <i>Juniperus horizontalis</i>                       | O, D   |
| juniper, blue star              | <i>Juniperus squamata</i>                           | O, D   |
| pine, mugo-mugho                | <i>Pinus mugo</i>                                   | O, D   |
| rhododendron, roseum elegans    | <i>Rhododendron catawbiense</i><br>'roseum elegans' | O, D   |
| spiraea, Anthony Waterer        | <i>Spiraea bumalda</i>                              | D  |
| yew                             | <i>Taxus media</i>                                  | O, D   |

<sup>†</sup>O=Overtop spray; D=Directed Spray

