

# Patron 170<sup>®</sup>

SELECTIVE HERBICIDE

## GET THE OPTICAL ADVANTAGE<sup>®</sup>.

Patron 170<sup>®</sup> herbicide powers over tough woody plants, yet is formulated for a reduced total load in the environment. With Optical Advantage<sup>®</sup>, Patron 170 uses a purified form of dichlorprop-p, known as the optical isomer. This single isomer form minimizes inactive dichlorprop-p resulting in a premium herbicide product with less environmental load. Control mixed brush on utility rights-of-way, highways, fence rows, firebreaks, forests and industrial sites and noxious perennial weeds on both crop and non-cropland including golf courses, athletic fields, parks, ornamental turf grass areas and sod farms.

### COMPETITIVE ADVANTAGES

- Controls mixed brush, vines and perennial broadleaf weeds
- Ester formulation provides increased leaf surface penetration
- For use on rights-of-way, drainage ditchbanks, highways and other non-crop areas
- Contains the Optical Advantage – a purified form of dichlorprop-p – for reduced environmental load
- Mixes with water or approved oils

### AT-A-GLANCE INFO

EPA REG. NO.	228-167
ACTIVE INGR.	2,4-D (32.1%), dichlorprop-p (16.1%)
FORMULATION	liquid
CHEM. FAMILY	phenoxy acetic acid
GROUP NO.	4
MODE OF ACT.	synthetic auxin
SIGNAL WORD.	warning
RESTRICTED	no
PACKAGE SIZE	2.5 gal (2 per case), 30 gal, 250 gal tote

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Clipper<sup>®</sup> SC | Piper<sup>®</sup> | RaZor<sup>®</sup> Xtreme

 **Nufarm**  
Grow a better tomorrow

# Patron170®

## GET THE OPTICAL ADVANTAGE®.

### KEY USES

Golf courses (fairways, aprons, tees, roughs)  
Ornamental turf lawns (cemeteries, parks, sports fields, turfgrass, lawns and other grass areas)  
Non-cropland (fencerows, hedgerows, ditches, rights-of-way, utility power lines, railroads, airports and industrial sites), roadsides (including aprons and guardrails), rights-of-way, and other similar non-crop areas  
Forestry (forestry site preparation, forest roadsides, brush control, established conifer release, Christmas trees, reforestation areas)  
Sod farms

### KEY WEEDS CONTROLLED

(See product label for complete list)  
Alder  
Ash  
Aspen  
Brambles  
Chickweed (common and mouseear)  
Dock  
Ground ivy  
Hemlock  
Honeysuckle  
Jimsonweed  
Kochia  
Lambsquarters  
Mallow  
Maple  
Morningglory  
Mustard  
Oak  
Oxalis (yellow woodsorrel)  
Palmetto  
Pigweed  
Plantain (buckhorn and broadleaf)  
Poison ivy  
Poison oak  
Ragweed  
Shepherd's-purse  
Sumac  
Virginia creeper  
Wild Rose  
Yarrow

### USE SUMMARY

#### NON-CROPLAND

**Foliage stem treatment:** Add 1-1/5 to 3-2/5 pints to 100 gal of water using 200 to 600 gal of spray mixture/A, depending on the height and thickness of the brush.

**Spot treatment:** For spot spraying with backpack sprayer, mix 1 cup (8 fl oz) of this product with 5 gal of water.

**Basal bark treatment:** Mix 2-1/4 gal in 100 gal of oil/A. Apply with a low volume sprayer or power equipment. Application rate will depend on species present, season applied and volume of spray used. Use a course spray to avoid drift. Do not apply more than 4-1/2 gal/100 gal of spray solution. Do not make more than 1 basal spray or cut surface application per year.

**Early season spraying:** Add 1 to 1-1/8 gal to 10 gal of diesel oil and mix thoroughly. Add this mixture to 89 gal of water.

**During dry weather or the latter part of spraying season:** Add 1-1/8 gal to 15 gal of diesel oil and mix thoroughly. Add mixture to 83-1/2 gal of water and agitate thoroughly before use to ensure uniform mixing. DO NOT allow mixture to stand for more than 1 hour after mixing.

**Cut surface treatment - stumps:** Mix 2-1/4 gal in 100 gal of oil/A. Application should be made with a low volume knapsack sprayer using a solid cone-shaped nozzle medium orifice.

**Concentrate stump treatment:** For small (up to 3" diameter) stems, cut them as close to the ground as possible and apply undiluted product directly from the can to the surface of the freshly cut stump.

**Frill:** Mix 2-1/4 gal in 100 gal of oil/A. Pour in as much of the mixture as the frills will hold without wasting the chemical.

**Powered knapsack basal spray:** Mix 2-1/4 gal in 100 gal of fuel oil or kerosene/A.

**Mixed brush - utility rights-of-way:** Use 2 to 3-2/5 qts in 3 to 12 gal volume/A. 1 to 4 qts fuel oil may be included in this mixture.

**Solid stands of oak or elm:** For post, blackjack, oak and winged elm, mix 2/3 gal with 1 gal oil, add water to make total volume of 5 gal. For sand shinnery oak, mix 1/2 to 1 qt with 1 gal oil, add water to make total volume of 3 gal.

#### FORESTRY

**Forestry site preparation:** Mix 3-2/5 qts with water to make 20 gal total solution and apply 20 gal/A. This mixture will control easy-to-control species and suppress more difficult species such as oak, sweet gum, black gum, hickory and tulip-poplar.

**Pine release:** Apply 2 to 3-2/5 qts as broadcast spray in 10 gal of water/A.

#### TURF

**Hose attached sprayers (lawn models):** Use 1.5 tablespoons of this product diluted with water to the 3 to 5 gal mark on the sprayer for each 500 sq ft (25 ft x 20 ft) of lawn area to be sprayed. Adjust water pressure so that spray streams about 10 to 15 ft with no misting.

**Broadcast applications:** Apply 8 fl oz in 5 gal of water/5,000 sq ft, increase the rate to 12 fl oz for resistant weeds. Do not apply more than 14 fl oz/5,000 sq ft/application.

See product label for complete directions for use.



[nufarm.com/uscrop](http://nufarm.com/uscrop)

For specific application rates, directions, mixing instructions and precautions, read the product label. Please visit [www.nufarm.com/uscrop](http://www.nufarm.com/uscrop) to download a full label.

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15-VM-0016-B