

OneStep™ herbicide**ACTIVE INGREDIENTS:**

Isopropylamine salt of Imazapyr (2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-3-pyridinecarboxylic acid)* 8.36%
Isopropylamine salt of Glyphosate (N-(phosphonomethyl)glycine) 22.13%

INERT INGREDIENTS 69.51%

TOTAL 100.00%

*Equivalent to 6.82% 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-3-pyridinecarboxylic acid or 0.637 pounds per gallon and 16.40% N-(phosphonomethyl)glycine acid or 1.531 pounds per gallon.

EPA Reg. No. 241-414

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN

WARNING!/AVISO!

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.)

FIRST AID

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF ON SKIN OR

CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

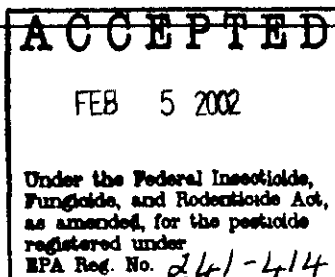
Have the product label with you when calling a poison control center or doctor or going for treatment.

In case of emergency endangering life or property involving this product,
call day or night 800-832-HELP.

See next page for Additional Precautionary Statements

Net Contents:

BASF Corporation
26 Davis Drive
Research Triangle Park, NC 27709



NVA 2001-05

BASF

99/21/01

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS

WARNING

Causes substantial but temporary eye injury. Harmful if absorbed through skin. Do not get in eyes or on clothing. Avoid contact with skin.

Personal Protective Equipment (PPE):

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear:

- long-sleeved shirt and long pants
- chemical-resistant gloves, such as barrier laminate, butyl rubber or polyethylene.
- protective eyewear
- shoes plus socks

Follow manufacturer's instructions for cleaning and 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:

1. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
2. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

For terrestrial uses, do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by disposing of equipment washwaters. This herbicide is phytotoxic at extremely low concentrations. Nontarget plants may be adversely affected from drift.

PHYSICAL AND CHEMICAL HAZARDS

Spray solutions of **OneStep** should be mixed, stored, and applied only in stainless steel, fiberglass, plastic, and plastic-lined steel containers.

DO NOT mix, store, or apply **OneStep** or spray solutions of **OneStep** in unlined steel (except stainless steel) containers or spray tanks.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

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.

OneStep should be used only in accordance with recommendations on the leaflet label. Keep containers closed to avoid spills and contamination.

OneStep may be applied using helicopters, ground operated sprayers, low-volume hand-operated spray equipment such as backpack and pump-up sprayers.

Observe all cautions and limitations in the package labels of products used in combination with **OneStep**.

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
- chemical-resistant gloves, such as barrier laminate, butyl rubber or polyethylene
- protective eyewear
- shoes plus socks

STORAGE AND DISPOSAL

- PROHIBITIONS:** DO NOT store below 10°F.
DO NOT contaminate water, food, or feed by storage or disposal.
- PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
- CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in an approved sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.
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IMPORTANT

DO NOT use on food or feed crops. DO NOT use on Christmas trees. DO NOT treat irrigation ditches, or water used for crop irrigation or for domestic uses. Keep from contact with fertilizers, insecticides, fungicides, and seeds to prevent unintentional exposure of desirable vegetation to **OneStep**. DO NOT apply or drain or flush equipment on or near sensitive desirable plants, or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots. DO NOT side trim desirable vegetation with this product. Prevent drift of spray to desirable plants.

Clean application equipment after using this product by thoroughly flushing with water.

GENERAL INFORMATION

AC 1014109 is an aqueous solution containing surfactant. It is mixed in water and generally applied as a post-emergent spray for control of most annual and perennial grasses, broadleaf weeds, vines and brambles, and hardwood brush and trees for forestry site preparation.

OneStep may be applied on forestry sites that contain areas of temporary surface water caused by the collection of water between planting beds, in equipment ruts, or in other depressions created by forest management activities, except in the states of California and New York. It is permissible to treat drainage ditches, intermittent drainage, intermittently flooded low lying sites, seasonally dry flood plains, and transitional areas between upland and lowland sites when no water is present, except in the states of California and New York. Only the edge of drainage ditches can be treated for drainage ditches that contain water. It is also permissible to treat marshes, swamps, and bogs after water has receded, as well as seasonally dry flood deltas, except in the state of California and New York. DO NOT make applications to natural or man-made bodies of water such as lakes, reservoirs, ponds, streams, rivers and canals.

OneStep is also recommended for control of undesirable vegetation along forest roads, non-irrigation ditchbanks, and the establishment and maintenance of wildlife openings except in the state of California.

SYMPTOMOLOGY:

OneStep is readily absorbed through foliage and roots and is translocated rapidly throughout the plant, with accumulation in the meristematic regions. Treated plants stop growing soon after spray application. Chlorosis first appears in the youngest leaf tissue. In perennials, the herbicide is translocated into the roots, thus preventing most resprouting. The foliage of most woody plants, brush, and trees will normally display color change and necrosis within several weeks after application.

MIXING AND APPLICATION INSTRUCTIONS**BROADCAST APPLICATIONS****Helicopter Spray Equipment:**

Thoroughly mix the recommended amount of **OneStep** in 5 to 30 gallons of water per acre and uniformly apply with properly calibrated aerial equipment. All precautions should be taken to minimize or eliminate spray drift. Applications should not be made under windy or gusty conditions. The use of controlled droplet booms and nozzle configurations is recommended. A drift control agent may be added at the recommended label rate except when applying with a MICROFOIL¹ boom, THRU-VALVE BOOM² or other similar equipment. A foam reducing agent may be added at the recommended label rate, if needed.

IMPORTANT: DO NOT make applications by fixed wing aircraft. Maintain adequate buffer zones. Thoroughly clean application and mixing equipment, including landing gear, immediately after use. Prolonged exposure of this product to uncoated steel (except stainless steel) surfaces may result in corrosion and failure of the exposed part.

Ground Operated Spray Equipment:

Thoroughly mix and apply the recommended amount of **OneStep** in 5 to 60 gallons of water per acre. A drift control agent and a foam reducing agent may be added at the recommended label rates, if needed. If desired, a spray pattern indicator may be added at the recommended label rate.

For best results, uniformly cover the foliage of the vegetation to be controlled with the spray solution.

IMPORTANT: DO NOT spray under windy or gusty conditions. Maintain adequate buffer zones. Clean application and mixing equipment after using this product by thoroughly flushing it with water.

¹ Trademark of Rhone-Poulenc Ag. Company

² Trademark of Waldrum Specialties

DIRECTED FOLIAR OR SPOT SPRAYS

In addition to broadcasting the mixed herbicide solution across an entire acre, the solution can also be directed to individual clumps of herbaceous and woody weeds or to spots within the acre. Backpack sprayers and ground operated equipment with hoses are generally used for directed foliar or spot sprays. Specialized helicopter equipment can also be used for this purpose. When making directed or spot spray applications with backpack sprayers, ground operated equipment, helicopters, or similar equipment that permits directed application, thoroughly mix a solution of 5 to 10 percent by volume of **OneStep**.

To mix the spray solution add the volume of **OneStep** indicated in the table below to the desired amount of water.

SPRAY SOLUTION MIXING GUIDE

<u>Solution Volume</u>	<u>OneStep herbicide Percentage of Total Solution Volume</u>	
	5	10
1 gallon	6.4 fl. oz.	12.8 fl. oz.
5 gallons	2 pints	4 pints
10 gallons	4 pints	8 pints
25 gallons	10 pints	20 pints
100 gallons	5 gallons	10 gallons

For best results, uniformly cover the foliage of the vegetation to be controlled with the spray solution.

IMPORTANT: DO NOT over apply causing runoff from the treated foliage. Avoid direct application and drift to the foliage, thin bark and rooting zone of desired plant species as injury may occur. Even though the herbicide is directed to clumps and spots within an acre, and not broadcast, DO NOT exceed the recommended dosage rate of **OneStep** per acre. Recommended rates of **OneStep** are specified for each conifer species in the SITE PREPARATION TREATMENTS section of the label.

SITE PREPARATION TREATMENTS

OneStep may be used to control labeled grasses, broadleaf weeds, vines and brambles, and woody brush and trees on forest sites in advance of regeneration for the following conifer crop species:

<u>Crop Species</u>	<u>Rate (pints/acre)</u>
Loblolly Pine (<u>Pinus taeda</u>)	8 - 16
Loblolly X Pitch Hybrid	8 - 16
Longleaf Pine (<u>Pinus palustris</u>)	8 - 16
Shortleaf Pine (<u>Pinus echinata</u>)	8 - 16
Virginia Pine (<u>Pinus virginiana</u>)	8 - 16
Slash Pine (<u>Pinus elliottii</u>)	8 - 13
Douglas-Fir (<u>Pseudotsuga menziesii</u>)	5 - 9 1/2
California Red Fir (<u>Abies magnifica</u>)	5 - 8
California White Fir (<u>Abies concolor</u>)	5 - 8
Jack Pine (<u>Pinus banksiana</u>)	5 - 6 1/2
Lodgepole Pine (<u>Pinus contorta</u>)	5 - 6 1/2
Pitch Pine (<u>Pinus rigida</u>)	5 - 6 1/2
Ponderosa Pine (<u>Pinus ponderosa</u>)	5 - 6 1/2
Sugar Pine (<u>Pinus lambertiana</u>)	5 - 6 1/2
White Pine (<u>Pinus strobus</u>)	5 - 6 1/2
Black Spruce (<u>Picea mariana</u>)	5 - 6 1/2
Red Spruce (<u>Picea rubens</u>)	5 - 6 1/2
White Spruce (<u>Picea glauca</u>)	5 - 6 1/2

Use the higher recommended rate of **OneStep** per acre applied as a broadcast foliar spray for longer-term suppression of labeled woody plants and residual control of herbaceous weeds. Within 4 to 6 weeks of treatment, herbaceous weeds including grasses and woody vegetation will be controlled and may provide fuel to facilitate a site preparation burn, if desired, to enhance control of conifers or other species tolerant to the herbicide.

Apply the recommended rate of **OneStep** per acre in 5 to 30 gallons total spray solution for helicopter applications or 5 to 60 gallons total spray solution for mechanical, ground spray and backpack applications. Use the higher label rates of **OneStep** and higher spray volumes when controlling particularly dense or multi-layered canopies of hardwood stands, or difficult to control species.

Do not plant seedlings of black spruce (Picea mariana) or white spruce (Picea glauca) on sites that have been broadcast treated with **OneStep** or into the treated zone of spot or banded applications for three months following application or injury may occur.

WEEDS CONTROLLED

When applied as recommended **OneStep** will control, partially control or suppress most woody brush, trees and herbaceous weeds, some of which are listed below. Degree of control and residual efficacy is both species and rate dependent. **OneStep** should be used only in accordance with the recommendations on this label.

GRASSES

The species of annual and perennial grasses controlled by **OneStep** include the following:

Annual bluegrass (Poa annua)
 Bahiagrass (Paspalum notatum)
 Barnyardgrass (Echinochloa crus-galli)
 Beardgrass (Andropogon spp.)
 Bermudagrass (Cynodon dactylon)¹
 Big bluestem (Andropogon gerardii)
 Broadleaf signalgrass (Brachiaria platyphylla)
 Canada bluegrass (Poa compressa)
 Cattail (Typha spp.)
 Cheat (Bromus secalinus)
 Cogongrass (Imperata cylindrica)²
 Crabgrass (Digitaria spp.)
 Crowfootgrass (Dactyloctenium aegyptium)
 Dallisgrass (Paspalum dilatatum)
 Downy brome (Bromus tectorum)
 Fall panicum (Panicum dichotomiflorum)
 Feathertop (Pennisetum villosum)
 Fescue (Festuca spp.)
 Foxtail (Setaria spp.)
 Giant reed (Arundo donax)
 Goosegrass (Eleusine indica)
 Guineagrass (Panicum maximum)
 Italian ryegrass (Lolium multiflorum)
 Itchgrass (Rottboellia exaltata)
 Johnsongrass (Sorghum halepense)
 Junglerice (Echinochloa colonum)
 Kentucky bluegrass (Poa pratensis)
 Lovegrass (Eragrostis spp.)¹
 Orchardgrass (Dactylis glomerata)
Panicum spp.
 Paragrass (Brachiaria mutica)
 Phragmites (Phragmites australis)
 Prairie cordgrass (Spartina pectinata)
 Prairie threeawn (Aristida oligantha)
 Quackgrass (Agropyron repens)
 Reed canary grass (Phalaris arundinacea)

Saltgrass (Distichlis stricta)
 Sand dropseed (Sporobolus cryptandrus)
 Sandbur (Cenchrus spp.)
 Smooth brome (Bromus inermis)
 Sprangletop (Leptochloa spp.)
 Timothy (Phleum pratense)
 Torpedograss (Panicum repens)
 Vaseygrass (Paspalum urvillei)
 Wild barley (Hordeum spp.)
 Wild oats (Avena fatua)
 Wirestem muhly (Muhlenbergia frondosa)
 Witchgrass (Panicum capillare)
 Woolly cupgrass (Eriochloa villosa)

¹Use higher labeled rates.

²Use minimum of 9 1/2 pints per acre.

BROADLEAF WEEDS

The species of annual and perennial broadleaf weeds controlled by **OneStep** include the following:

Arrowwood (Pluchea sericea)
 Broom snakeweed (Gutierrezia sarothrae)
 Bull thistle (Cirsium vulgare)
 Burclover (Medicago spp.)
 Burdock (Arctium spp.)
 Camphorweed (Heterotheca subaxillaris)
 Canada thistle (Cirsium arvense)
 Carolina geranium (Geranium carolinianum)
 Carpetweed (Mullugo verticillata)
 Chickweed, mouseear (Cerastium vulgatum)
 Clover (Trifolium spp.)
 Cocklebur (Xanthium strumarium)
 Common chickweed (Stellaria media)
 Common ragweed (Ambrosia artemisiifolia)
 Cudweed (Gnaphalium spp.)
 Dandelion (Taraxacum officinale)
 Desert camelthorn (Alhagi pseudalhagi)
 Diffuse knapweed (Centaurea diffusa)
 Dock (Rumex spp.)
 Dogfennel (Eupatorium capillifolium)
 Fiddleneck (Amsinckia intermedia)
 Filaree (Erodium spp.)
 Fleabane (Erigeron spp.)
 Giant ragweed (Ambrosia trifida)
 Goldenrod (Solidago spp.)
 Gray rabbitbrush (Chrysothamnus nauseosus)

Henbit (Lamium aplexicaule)
 Hoary vervain (Verbena stricta)
 Horseweed (Conyza canadensis)
 Indian mustard (Brassica juncea)
 Japanese bamboo/knotweed (Polygonum cuspidatum)
 Knotweed, prostrate (Polygonum aviculare)
 Kochia (Kochia scoparia)
 Lambsquarters (Chenopodium album)
 Little mallow (Malva parviflora)
 Milkweed (Asclepias spp.)
 Miners lettuce (Montia perfoliata)
 Mullein (Verbascum spp.)
 Nettleleaf goosefoot (Chenopodium murale)
 Oxeye daisy (Chrysanthemum leucanthemum)
 Pepperweed (Lepidium spp.)
 Pigweed (Amaranthus spp.)
 Plantain (Plantago spp.)
 Pokeweed (Phytolacca americana)
 Primrose (Oenothera kunthiana)
 Puncturevine (Tribulus terrestris)
 Purple loosestrife (Lythrum salicaria)
 Purslane (Portulaca spp.)
 Pusley, Florida (Richardia scabra)
 Rocket, London (Sisymbrium irio)
 Rush skeletonweed (Chondrilla juncea)
 Russian knapweed (Centaurea repens)
 Russian thistle (Salsola kali)
 Saltbush (Atriplex spp.)
 Shepherd's purse (Capsella bursa-pastoris)
 Silverleaf nightshade (Solanum elaeagnifolium)
 Smartweed (Polygonum spp.)
 Sorrell (Rumex spp.)
 Sowthistle (Sonchus spp.)
 Spurge, annual (Euphorbia spp.)
 Stinging nettle (Urtica dioica)
 Sunflower (Helianthus spp.)
 Sweet clover (Melilotus spp.)
 Tansymustard (Descurainia pinnata)
 Texas thistle (Cirsium texanum)
 Velvetleaf (Abutilon theophrasti)
 Western ragweed (Ambrosia psilostachya)
 Wild carrot (Daucus carota)
 Wild lettuce (Lactuca spp.)
 Wild parsnip (Pastinaca sativa)
 Wild turnip (Brassica campestris)
 Woollyleaf bursage (Ambrosia grayi)
 Yellow starthistle (Centaurea solstitialis)
 Yellow woodsorrel (Oxalis stricta)

VINES AND BRAMBLES

The species of vines and brambles controlled by **OneStep** include the following:

Field bindweed (Convolvulus arvensis)
 Hedge bindweed (Calystegia sepium)
 Honeysuckle (Lonicera spp.)
 Morningglory (Ipomoea spp.)
 Poison ivy (Rhus radicans)
 Redvine (Brunnichia cirtiosa)
 Trumpet creeper (Campsis radicans)
 Virginia creeper (Parthenocissus quinquefolia)
 Wild buckwheat (Polygonum convolvulus)
 Wild grape (Vitis spp.)
 Wild rose (Rosa spp.)¹
 Including: Multiflora rose (Rosa multiflora)
 Macartney rose (Rosa bracteata)

¹Use higher labeled rates.

WOODY BRUSH AND TREES

The species of woody brush and trees controlled by **OneStep** include the following:

Alder (Alnus spp.)
 American beech (Fagus grandifolia)
 Ash (Fraxinus spp.)¹
 Aspen (Populus spp.)
 Autumn olive (Elaeagnus umbellata)
 Bald cypress (Taxodium distichum)
 Bigleaf maple (Acer macrophyllum)
 Birch (Betula spp.)¹
 Black oak (Quercus kelloggii)
 Blackgum (Nyssa sylvatica)²
 Boxelder (Acer negundo)
 Brazilian peppertree (Schinus terebinthifolius)
 Ceanothus (Ceanothus spp.)
 Cherry (Prunus spp.)^{1, 2}
 Chinaberry (Melia azedarach)
 Chinese tallow-tree (Sapium sebiferum)
 Chinquapin (Castanopsis chrysophylla)
 Cottonwood (Populus trichocarpa and Populus deltoides)
 Cypress (Taxodium spp.)
 Dogwood (Cornus spp.)
 Eucalyptus (Eucalyptus spp.)
 Hawthorn (Crataegus spp.)
 Hickory (Carya spp.)¹

Huckleberry (Gaylussacia spp.)

Lyonia spp

Including: Fetterbush (Lyonia lucida)

Staggerbush (Lyonia mariana)

Madrone (Arbutus menziesii)

Maple (Acer spp.)

Melaleuca (Melaleuca quinquenervia)

Mulberry (Morus spp.)^{1,3}

Oak (Quercus spp.)⁴

Persimmon (Diospyros virginiana)²

Poison oak (Rhus diversiloba)

Popcorn-tree (Sapium sebiferum)

Poplar (Populus spp.)

Privet (Ligustrum vulgare)

Red alder (Alnus rubra)

Red maple (Acer rubrum)

Saltcedar (Tamarix pentandra)

Sassafras (Sassafras albidum)

Sourwood (Oxydendrum arboreum)²

Sumac (Rhus spp.)

Sweetgum (Liquidambar styraciflua)

Sycamore (Platanus occidentalis)

Tanoak (Lithocarpus densiflorus)¹

TiTi (Cyrilla racemiflora)¹

Tree of heaven (Ailanthus altissima)

Vaccinium spp.

Including: Blueberry (Vaccinium spp.)

Sparkleberry (Vaccinium arboreum)

Willow (Salix spp.)

Yellow-poplar (Liriodendron tulipifera)

¹Use higher labeled rates.

²Best control with applications prior to formation of fall leaf color.

³The degree of control may be species dependent.

⁴For Water oak (Quercus nigra), Laurel oak (Q. lauriflora), Willow oak (Q. phellos) and Live oak (Q. virginiana) use higher labeled rates.

DISCLAIMER

The label instructions for the use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the use or application of the product contrary to label instructions, all of which are beyond the control of BASF Corporation (BASF). All such risks shall be assumed by the user.

BASF warrants only that the material contained herein conforms to the chemical description on the label and is reasonably fit for the use therein described when used in accordance with the directions for use, subject to the risks referred to above.

Any damages arising from a breach of this warranty shall be limited to direct damages and shall not include consequential commercial damages such as loss of profits or values or any other special or indirect damages.

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BASF Corporation
26 Davis Drive
Research Triangle Park, NC 27709

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