

# FreeHand® 1.75G

## Herbicide

Group 3 15 Herbicide

For use as a preemergence weed control herbicide in ornamental production, landscape and grounds maintenance, turfgrass, and other specified noncrop areas

Active Ingredients:

dimethenamid-P: (S)-2-chloro-N-[(1-methyl-2-methoxy)ethyl]-N-(2,4-dimethyl-thien-3-yl)-acetamide . . . .	0.75%
pendimethalin: N-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine . . . . .	1.00%

Other Ingredients: . . . . .	98.25%
Total: . . . . .	100.00%

50 lbs contains 0.375 lb of dimethenamid-P and 0.5 lb of pendimethalin.

EPA Reg. No. 7969-273

EPA Est. No. 5905-IA-001

KEEP OUT OF REACH OF CHILDREN  
CAUTION/PRECAUTION

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

See inside for complete **First Aid, Precautionary Statements, Directions For Use, Conditions of Sale and Warranty,** and state-specific and/or use site restrictions.

In case of emergency endangering life or property involving this product, call day or night 1-800-832-HELP (4357).

Net Contents: 50 pounds

81046849 NVA 2015-05-308-0811  
Product of U.S.A.

Produced for:  
BASF Corporation  
26 Davis Drive  
Research Triangle Park, NC 27709



## FIRST AID

<b>If swallowed</b>	<ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• <b>DO NOT</b> induce vomiting unless told to do so by a poison control center or doctor.</li><li>• <b>DO NOT</b> give any liquid to the person.</li><li>• <b>DO NOT</b> give anything by mouth to an unconscious person.</li></ul>
<b>If in eyes</b>	<ul style="list-style-type: none"><li>• Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes; then continue rinsing eyes.</li><li>• Call a poison control center for treatment advice.</li></ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If inhaled</b>	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth to mouth, if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>

## HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact BASF Corporation for emergency medical treatment information: 1-800-832-HELP (4357).

## Precautionary Statements

### Hazards to Humans and Domestic Animals

**CAUTION.** Harmful if swallowed. Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Avoid breathing dust. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

### Personal Protective Equipment (PPE)

#### Applicators and other handlers must wear:

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

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. **DO NOT** reuse them. Follow the manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

## USER SAFETY RECOMMENDATIONS

#### Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## Environmental Hazards

This product is toxic to fish. **DO NOT** apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. **DO NOT** contaminate water when disposing of equipment washwater or rinsate.

Dimethenamid-P has properties that may result in groundwater contamination. Application in areas where soils are permeable or coarse and groundwater is near the surface could result in groundwater contamination. Dimethenamid-P has properties that may result in surface water contamination via dissolved runoff and runoff erosion. Practices should be followed to minimize the potential for dissolved runoff and/or runoff erosion.

## Endangered Species Protection

This product may have effects on federally listed threatened or endangered plant species or their critical habitat. When using this product, you must follow the measures contained in the Endangered Species Protection Bulletin for the county or parish in which you are applying the pesticide. To determine whether your county or parish has a Bulletin, and to obtain that Bulletin, consult <http://www.epa.gov/esp/>, or call 1-800-447-3813 no more than 6 months before using this product. Applicators must use Bulletins that are in effect in the month in which the pesticide will be applied. New Bulletins will generally be available from the above sources 6 months before their effective dates.

To avoid adverse effects on endangered plant species, applicators in ornamentals production must comply with the following mitigation measures where and when endangered plant species are known to occur in proximity of the application site:

If applied by ground, leave untreated buffer zone of 200 feet between treatment area and known endangered plant populations.

## Directions For Use

It is a violation of federal law to use this product in a manner inconsistent with its labeling. This labeling must be in the possession of the user at the time of pesticide application. The use of **FreeHand® 1.75G herbicide** not consistent with this label can result in injury to crops, animals, or persons.

**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.

BASF Corporation does not recommend or authorize the use of this product in manufacturing, processing or preparing custom blends with other products for application to ornamentals.

**DO NOT** contaminate irrigation ditches or water used for domestic purposes.

**FreeHand 1.75G** is intended for use only by certified applicators or persons under their direct supervision.

**FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR WEED CONTROL OR CROP INJURY.**

### 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
- Protective eyewear

### NONAGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

**DO NOT** enter or allow others to enter the treated area until dusts have settled. Only protected applicators shall be in the treatment area during application.

## STORAGE AND DISPOSAL

**DO NOT** contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

### Pesticide Storage

**DO NOT** store above 120° F. Store in original containers and keep closed. Store in a cool, dry place.

### Pesticide Disposal

Wastes resulting from the use of this product must be disposed of on-site or at an approved waste disposal facility.

### Container Handling

#### (for plastic containers)

**Nonrefillable Container. DO NOT reuse or refill this container.** After completely emptying container into application equipment, offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

#### (for paper or plastic bags)

**Nonrefillable Container. DO NOT reuse or refill this container.** After completely emptying container into application equipment, dispose of empty bag in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

## In Case Of Emergency

In case of large-scale spill of this product, call:

- CHEMTREC 1-800-424-9300
- BASF Corporation 1-800-832-HELP (4357)

In case of medical emergency regarding this product, call:

- Your local doctor for immediate treatment
- Your local poison control center (hospital)
- BASF Corporation 1-800-832-HELP (4357)

## Use Information

## Mode of Action

**FreeHand 1.75G** consists of two active ingredients: dimethenamid-P, a chloroacetamide and **Chemical Group 15** herbicide, and pendimethalin, a dinitroaniline and **Chemical Group 3** herbicide, combined for broader weed control spectrum. They inhibit both plant cell microtubule assembly (cells do not divide and multiply) and cell growth, inhibiting the germinating shoot portion of the susceptible weed seedlings. A small amount of uptake may also occur through the emerging root system of the weed seedling.

## Resistance Management

While weed resistance to **Group 3** herbicides is infrequent and to **Group 15** herbicides is rare, populations of resistant biotypes are known to exist. Resistance management practices should be part of a diversified strategy that integrates chemical, cultural, and mechanical control tactics, and should include the following:

1. Following labeled application rate and weed growth stage instructions
2. Avoiding repeated applications of herbicides with the same mode of action

- 3. Using product combinations and sequential applications with other effective herbicides possessing different modes of action
- 4. Using rotation so plant competition, cultural and mechanical practices, or herbicides with alternative modes of action can be used to control weed escapes

Use Sites

**FreeHand® 1.75G herbicide** is a selective preemergence herbicide for the control of certain annual grasses, annual broadleaf weeds, and sedges as they germinate in:

- Commercial ornamental production
- Landscape and grounds maintenance
- Tree plantations including Christmas trees
- Turfgrass

**FreeHand 1.75G** may be applied as a soft-residual bareground treatment in the use sites listed above.

**FreeHand 1.75G** controls weeds as they germinate but will not control emerged and established weeds. Therefore, areas to be treated should be free of established weeds. If weeds develop before activation of the herbicide, shallow cultivate to destroy existing weeds or, where practical, remove by hand.

For control of established weeds, **FreeHand 1.75G** may be used in conjunction with herbicides registered for postemergence use. Consult the labels of registered herbicides for use rates, timings, and precautions or restrictions.

A **FreeHand 1.75G** treatment may be followed by any registered herbicide to control weeds not listed on the **FreeHand 1.75G** label.

Application Information

**FreeHand 1.75G** provides the most effective weed control when applied by ground spreader equipment and subsequently incorporated into soil by 1/2 inch of rainfall in sprinkler irrigation.

**FreeHand 1.75G** may be applied in a single application or in sequential applications.

For extended weed control or where heavy weed infestations are expected, sequential (repeat) applications of **FreeHand 1.75G** can be made 5 to 8 weeks between applications.

Ground Application

Apply **FreeHand 1.75G** with properly calibrated spreader equipment to provide uniform distribution. Check application routinely to determine proper calibration. Avoid overlaps that will increase use rates above those stated on this label. Avoid application when winds may cause drift. Avoid unintentional contact of granules with driveways, stone, wood, or other porous surfaces. **FreeHand 1.75G** may cause temporary discoloration of treated surfaces. Sweep surfaces clean immediately to avoid staining. If granules are crushed into surface, rinse thoroughly.

Application Use Rates

For preemergence control of the listed weed species (see **Table 6 in Weed Species Controlled** section) using broadcast spreader equipment, apply **FreeHand 1.75G** at the following rates. Uneven application can decrease weed control or cause plant injury. Overapplication can result in stand loss, plant injury, or soil residues.

Table 1. Application Rates for FreeHand 1.75G

Application Rate (lbs product per acre)	Amount (lbs product per 1000 sq ft)	Amount (lb product per 100 sq ft)
100	2.3	0.23
150	3.4	0.34
200	4.6	0.46

All granular herbicide products, including **FreeHand 1.75G**, have different pill sizes. Therefore, to deliver the proper rate, the applicator must calibrate before application of product. The **FreeHand 1.75G** calibration tray may be used to calibrate the correct application rate. Rate settings for a specific type of spreader device must be determined by the applicator. Refer to the following calibration guide for various spreaders. Proper calibration must take into account walking speed of applicator, slope of ground, and accuracy of the spreader throw. Use a designated area (e.g. 100 sq ft) to calibrate spreader equipment using the settings in the calibration guide before application.

Spreader Calibration Guide

Spreader Type	Spreader Operation	Setting	Throw Swath (feet)	Rate Range (lbs product per acre)
John Deere-Lesco Rotary	NA*	11 to 12	10 to 10.5	100 to 115
John Deere-Lesco Rotary	NA*	15 to 16	10 to 10.5	175 to 200
Solo Spreader 421S <sup>1</sup>	1-sided	1 to 3	3 to 4	100
Solo Spreader 421S <sup>2</sup>	2-sided	3	7.5	80 to 100
Solo Spreader 421S <sup>2</sup>	2-sided	4 to 5	8 to 8.5	100 to 115
Spreader Efficiency Tips				
<sup>1</sup> <b>Solo 1-sided</b> - Position lever to the right [this gives a throw pattern all to the left when only one-sided throw is desired (curb areas, etc.) and avoids depositing product onto operator's hands and body].				
<sup>2</sup> <b>Solo 2-sided</b> - Position lever halfway between center and right position.				
* NA = Not Applicable				

Application Restrictions

- **Maximum annual use rate** - **DO NOT** apply more than a total of 400 lbs/A **FreeHand 1.75G** per crop in a single growing season.
- **DO NOT** apply more than 200 lbs/A **FreeHand 1.75G** in a single application.
- **DO NOT** apply **FreeHand 1.75G** to **actively growing** turfgrass and/or ornamental plants when springtime soil temperature is less than 55° F and under wet soil conditions, or turfgrass/ornamental plant injury may occur.

- **DO NOT** apply **FreeHand® 1.75G herbicide** by air.
- **DO NOT** apply **FreeHand 1.75G** in greenhouses, polyhouses, or other fully enclosed greenhouse-type structures.
- **Pre-harvest Interval (PHI): DO NOT** harvest fruit, nuts, or berries within one year after **FreeHand 1.75G** application.

Application Precautions

- To avoid the possibility of plant damage, **DO NOT** apply **FreeHand 1.75G** to turfgrass or ornamental plants growing under stress because of lack of moisture, hail damage, flooding, herbicide injury, mechanical injury, or widely fluctuating temperatures. Diseases, cold weather, excessive moisture, high soil pH, high soil salt concentration, or drought can weaken plants and increase the possibility of damage from **FreeHand 1.75G**.
- If **FreeHand 1.75G** is not activated by rainfall or irrigation within 30 days, erratic weed control may result.
- Unusually cold, excessively wet, or hot and dry conditions that delay or extend weed seed germination can reduce weed control.

Specific Information for Use Sites

Commercial Ornamental Production

**FreeHand 1.75G** can be used in and around container and field nurseries. Applications can be made, but are not limited to, ornamental plants listed on this label, including trees, shrubs, ground covers, herbaceous perennials, and bedding plants. Applications can also be made to nurseries including seedling juvenile fruit and nut trees, conifer and hardwood seedling liner nurseries or tree plantations (including Christmas trees), and the nonproduction areas in commercial nurseries including storage areas, vegetation filter strips, windbreaks, shelterbelts, cart paths, graveled areas.

**FreeHand 1.75G** may be applied to juvenile fruit and nut trees, vines, brambles, and bushberries grown in commercial ornamental production nurseries. Juvenile trees, vines, brambles, and bushberries are grown in ornamental production nurseries where immature and/or inedible fruits, nuts, or berries may appear on the tree, vine, bramble, and bush but are not intended for harvest or consumption.

**NOTE: FreeHand 1.75G can only be used on established liner beds with well-rooted plants and/or rootstocks.**

Plant Tolerance and Phytotoxicity Notice

**FreeHand 1.75G** has been applied to a wide variety of common ornamental plants without observed plant injury. Refer to **Table 4** for the list of plants shown to be tolerant to **FreeHand 1.75G**. Not all species, varieties, and cultivars have been tested for tolerance to **FreeHand 1.75G**. Local conditions can also influence plant tolerance and may not match those under which BASF has conducted testing. Because many cultivars within a plant species vary in tolerance to chemical applications and growing conditions, the grower must recognize these differences and test the product accordingly. At a minimum, always test a small group of representative plants for tolerance to **FreeHand 1.75G** under local growing conditions and before large-scale use. Refer to **Table 2** for the list of sensitive ornamental plants and to **Table 3** for specific ornamentals use-site application instructions and restrictions.

Grower assumes responsibility for testing ornamental suitability under local growing conditions by treating a small number of plants at the specified rate. **At a minimum, this should include evaluating treated plants for several weeks** following treatment for possible injury or other effects. To the extent consistent with applicable law, by applying **FreeHand 1.75G**, the user assumes responsibility for any plant damage or other liability associated with factors beyond the manufacturer's control, such as weather, presence of other materials, and manner or use of application inconsistent with this labeling.

Refer to the **Application Information** section in this label before any application of **FreeHand 1.75G**. Unintentional consequences, such as ornamental injury, may result because of certain environmental or growing conditions, manner of use, or application.

Table 2. Sensitive Ornamental Plants

In plant tolerance research trials, unacceptable plant injury has been observed on the following plants. Local conditions can also influence tolerance to plants and cultivars and may not match those seen under BASF testing. The grower must recognize these results and assumes all risks if **FreeHand 1.75G** applications are made to these plants.

Common Name	Scientific Name
Begonia	<i>Begonia</i> spp.
Blackeyed Susan	<i>Rudbeckia fulgida</i>
Blazing star, Gayfeather	<i>Liatris</i> spp.
Blue fescue	<i>Festuca</i> spp.
Blue star	<i>Amsonia</i> spp.
Butterfly flower or Butterfly weed	<i>Asclepias</i> spp.
California fuchsia	<i>Epilobium canum</i>
Cape leadwort	<i>Plumbago</i> spp.
Cardinal flower	<i>Lobelia</i> spp.
Celosia	<i>Celosia</i> spp.
Cockscomb	
Columbine	<i>Aquilegia</i> spp.
Dead nettle	<i>Lamium</i> spp.
Elderberry	<i>Sambucus</i> spp.
Fan flower	<i>Scaevola</i> spp.
Feather reed grass	<i>Calamagrostis</i> spp.
Fountaingrass	<i>Pennisetum</i> spp.
Globe amaranth	<i>Gomphrena</i> spp.
Impatiens	<i>Impatiens</i> spp.
Miscanthus	<i>Miscanthus</i> spp.
Muhly grass	<i>Muhlenbergia</i> spp.
Pentas	<i>Pentas</i> spp.
Periwinkle (ground cover)	<i>Vinca minor</i>

(continued)

Table 2. Sensitive Ornamental Plants (continued)

Common Name	Scientific Name
Phlox	<i>Phlox</i> spp. <i>P. paniolata</i> <i>P. subulata</i>
Pincushion flower	<i>Scabiosa</i> spp.
Ribbon grass	<i>Phalaris</i> spp.
Rose periwinkle (annual)	<i>Catharanthus roseus</i>
Royal fern	<i>Osmunda regalis</i>
Sea oats	<i>Chasmanthium</i> spp.
Speedwell, Veronica	<i>Veronica spicata</i>
Stock	<i>Matthiola</i> spp.
Summersweet	<i>Clethra alnifolia</i>
Thrift, sea pink	<i>Armeria</i> spp.
Tickseed	<i>Coreopsis</i> spp.
Tufted hair grass	<i>Deschampsia</i> spp.

Refer to **Table 1** for application rates, **Table 4** for list of ornamental plants, and **Table 6** for weeds controlled.

Table 3. Specific Ornamentals' Use Site Instructions

Site	Application Instructions and Restrictions
Newly transplanted field-grown nursery plants	<ul style="list-style-type: none"><li>• <b>DO NOT</b> apply until transplants have been watered and soil has been thoroughly packed and settled around transplants. Ensure there are no cracks in the soil where <b>FreeHand® 1.75G herbicide</b> could come into contact with the roots.</li><li>• <b>DO NOT</b> apply during bud swell, bud break, or at time of first flush of new growth.</li></ul>
Newly transplanted container-grown nursery plants	<ul style="list-style-type: none"><li>• <b>DO NOT</b> apply until transplants have been watered and soil has been thoroughly packed and settled around transplants. Ensure there are no cracks in the soil where <b>FreeHand 1.75G</b> could come into contact with the roots.</li><li>• For container-grown ornamentals, delay first application of the product to bareroot liners for 2 weeks after transplanting to allow for root establishment.</li><li>• <b>DO NOT</b> apply during bud swell, bud break, or at time of first flush of new growth.</li><li>• <b>DO NOT</b> apply to any size plug or liner tray.</li><li>• <b>DO NOT</b> apply to plugs or unrooted liners or cuttings being transplanted into pots.</li></ul>

(continued)

Table 3. Specific Ornamentals' Use Site Instructions

(continued)

Site	Application Instructions and Restrictions
Established container or field-grown nursery plants	<ul style="list-style-type: none"><li>• <b>DO NOT</b> apply during bud swell, bud break, or at time of first flush of new growth.</li><li>• Ensure there are no cracks in the soil where <b>FreeHand 1.75G</b> could come into contact with the roots.</li></ul>
Field-grown or container-grown production bulbs	<ul style="list-style-type: none"><li>• For use in ornamental bulb-like crops such as caladium*, gladiolus*, and lilies.</li><li>• In field production, apply <b>FreeHand 1.75G</b> to the soil surface only after the crop has been planted and the soil has been settled by several irrigations but before weed seed germination.</li><li>• In fall-planted daffodil*, iris, or lilies, make an initial application of <b>FreeHand 1.75G</b> following plant establishment; then make a sequential application of <b>FreeHand 1.75G</b> in late winter or early spring before weed seed germination.</li><li>• In container production, apply <b>FreeHand 1.75G</b> to a weed-free surface before bulb emergence or after leaf emergence from an established plant crown.</li><li>• Apply <b>FreeHand 1.75G</b> before, during, or after bulb emergence.</li></ul>
Bareground pad for container placement	1. Apply to bareground pad (such as soil, mulch, gravel, wood chips, or other permeable base).
Gravel or ground floor of open-sided lathhouses (shadehouses) or other polyhouse structures that allow polycovers to be removed on a seasonal basis	2. Water in. 3. Place containerized ornamentals on pad.
Greenhouses, polyhouses, or other enclosed structures	<b>DO NOT</b> apply in greenhouses, polyhouses, or other fully enclosed greenhouse-type structures.
Landscape uses	Ensure soil or planting mixes have settled firmly following transplanting, and there are no cracks to allow direct contact of <b>FreeHand 1.75G</b> with roots. Application where soil and media surfaces are uniformly covered results in best weed control and ornamental tolerance.

\* Plant only those desirable plant species listed on this label into soil treated the previous season with **FreeHand 1.75G** or injury may occur.

\* Not for use in California

(continued)

**Table 3. Specific Ornamentals' Use Site Instructions**
*(continued)*

Site	Application Instructions and Restrictions
<b>SENSITIVE Ornamentals</b>	
Other ornamentals not listed on this label	If the ornamental plant is not listed on this label, the user assumes responsibility for testing under local conditions before any application. See <b>Table 2</b> for list of sensitive ornamental plants including ornamental grasses.
Ferns	Application of <b>FreeHand® 1.75G herbicide</b> to immature ferns during periods of new growth of fronds may result in injury.
Hydrangea	Not all hydrangea cultivars may respond to the herbicide application with the same tolerance. Before treating an entire block of plants, apply only to a small number of plants and evaluate for 2 months for tolerance.
To the plants listed below, only apply <b>FreeHand 1.75G</b> as a single application. <b>DO NOT APPLY SEQUENTIALLY</b> . During the growing season, however, a second application of <b>FreeHand 1.75G</b> can be made if a herbicide of a different mode of action is applied between <b>FreeHand 1.75G</b> applications. <b>FreeHand 1.75G</b> applications must be separated by at least 16 weeks.	
Bellflower	<i>Campanula</i> spp.
California lilac	<i>Ceanothus</i> spp.
Canna lily	<i>Canna</i> spp.
Candytuft	<i>Iberis sempervirens</i>
Catmint	<i>Nepeta x faassenii</i>
Catnip	<i>Nepeta cataria</i>
Coneflower	<i>Echinacea</i> spp.
Dwarf germander	<i>Teucrium chamaedrys</i>
Gazania/Treasure flower	<i>Gazania</i> spp.
Goldenrod	<i>Solidago</i> spp.
Hemlock, Western	<i>Tsuga heterophylla</i>
Hydrangea	<i>Hydrangea</i> spp.
Loropetalum/fringe flower	<i>Loropetalum chinense</i>
Magnolia	<i>Magnolia</i> spp.
Sage	<i>Salvia</i> spp.
Spirea	<i>Spiraea</i> spp.
Turtlehead/Snakehead	<i>Chelone</i> spp.
Viburnum	<i>Viburnum</i> spp.
Whirling butterflies/Wandflower	<i>Gaura</i> spp.
<sup>1</sup> Plant only those desirable plant species listed on this label into soil treated the previous season with <b>FreeHand 1.75G</b> or injury may occur.	

**Table 4. Ornamental Plants**

Common Name	Scientific Name
<b>Trees</b>	
Apple (juvenile)	<i>Malus</i> spp.
Apricot (juvenile)	<i>Prunus armeniaca</i>
Arborvitae	<i>Thuja</i> spp.
Arborvitae, American	
Arborvitae, Oriental	
Ash	<i>Fraxinus</i> spp.
Birch	<i>Betula</i> spp.
Boxelder	<i>Acer negundo</i>
Camellia, mountain	<i>Stewartia pseudocamellia</i>
Cedar, Japanese	<i>Cryptomeria japonica</i>
Cedar, Western red	<i>Thuja</i> spp.
Cedar, white	
Cherry (juvenile)	<i>Prunus</i> spp.
Crabapple	<i>Malus</i> spp.
Crape myrtle	<i>Lagerstroemia indica</i>
Cryptomeria	<i>Cryptomeria japonica</i>
Cypress, bald*	<i>Taxodium distichum</i>
Cypress, false*	<i>Chamaecyparis</i> spp.
Cypress, Leyland	<i>Cupressocyparis leylandii</i>
Dogwood	<i>Cornus</i> spp.
Dogwood, flowering	
Elm	<i>Ulmus japonica</i>
Fir	<i>Abies fraseri</i>
Fir, Fraser	
Fir, Douglas	<i>Pseudotsuga menziesii</i>
Hawthorn	<i>Crataegus</i> spp.
Hemlock	<i>Tsuga</i> spp.
Hemlock, Western	
Holly	<i>Ilex</i> spp.
Lilac	<i>Syringa</i> spp.
Locust, honey	<i>Gleditsia triacanthos</i>
Magnolia	<i>Magnolia</i> spp.
Magnolia, saucer	
Magnolia, Southern	
Maple	<i>Acer</i> spp.
Maple, Japanese	
Maple, red	
Maple, sugar	
Oak	<i>Quercus</i> spp.

*(continued)*

**Table 4. Ornamental Plants** *(continued)*

Common Name	Scientific Name
<b>Trees</b> <i>(continued)</i>	
Palm, palmetto	<i>Sabal minor</i>
Peach (juvenile)	<i>Prunus</i> spp.
Pine	<i>Pinus</i> spp.
Pine, loblolly	
Pine, white	
Plum (juvenile)	<i>Prunus</i> spp.
Redbud	<i>Cercis canadensis</i>
Serviceberry	<i>Amelanchier</i> spp.
Sourwood*	<i>Oxydendrum arboreum</i>
Spruce	<i>Picea</i> spp.
Walnut, black* (juvenile)	<i>Juglans nigra</i>
Yellowwood*	<i>Cladrastis</i> spp.
Zelkova, Japanese	<i>Zelkova</i> spp.
<b>Shrubs</b>	
Abelia, glossy	<i>Abelia grandiflora</i>
Althaea	<i>Hibiscus</i> spp.
Andromeda*	<i>Pieris japonica</i>
Azalea	<i>Rhododendron</i> spp.
Bamboo, heavenly	<i>Nandina domestica</i>
Barberry	<i>Berberis</i> spp.
Blue mist shrub	<i>Caryopteris x clandonensis</i>
Bottlebrush	<i>Callistemon citrinus</i>
Boxwood, common	<i>Buxus</i> spp.
Boxwood, Japanese	
Butterfly bush	<i>Buddleia davidii</i>
California lilac	<i>Ceanothus</i> spp.
Camellia	<i>Camellia</i> spp.
Cape jasmine	<i>Gardenia jasminoides</i>
Chinese fringe flower	<i>Loropetalum chinense</i>
Chinese witchhazel	
Cotoneaster	<i>Cotoneaster</i> spp.
Deutzia, slender*	<i>Deutzia gracilis</i>
Dogwood, shrub	<i>Cornus</i> spp.
Euonymus	<i>Euonymus</i> spp.
Fetterbush	<i>Leucothoe</i> spp.
Forsythia, border	<i>Forsythia intermedia</i>

*(continued)***Table 4. Ornamental Plants** *(continued)*

Common Name	Scientific Name
<b>Shrubs</b> <i>(continued)</i>	
Fothergilla*	<i>Fothergilla</i> spp.
Fragrant olive	<i>Osmanthus fragrans</i>
Gardenia	<i>Gardenia jasminoides</i>
Hawthorn, Indian	<i>Raphiolepis indica</i>
Hibiscus	<i>Hibiscus</i> spp.
Holly	<i>Ilex</i> spp.
Holly, Chinese	
Holly, Japanese	
Hydrangea	<i>Hydrangea macrophylla</i>
Japanese rose*	<i>Kerria japonica</i>
Juniper	<i>Juniperus</i> spp.
Lavender, English	<i>Lavandula angustifolia</i>
Leucothoe	<i>Leucothoe</i> spp.
Lilac	<i>Syringa</i> spp.
Lily of the Nile	<i>Agapanthus africanus</i>
Loropetalum	<i>Loropetalum chinense</i>
Mahonia	<i>Mahonia</i> spp.
Mock orange, Japanese	<i>Pittosporum tobira</i>
Nandina	<i>Nandina domestica</i>
Oregon grape	<i>Mahonia</i> spp.
Osmanthus	<i>Osmanthus</i> spp.
Photinia, Fraser	<i>Photinia x fraseri</i>
Pieris, Japanese*	<i>Pieris japonica</i>
Pine, Mugo	<i>Pinus mugo</i>
Pittosporum, Japanese	<i>Pittosporum tobira</i>
Privet	<i>Ligustrum</i> spp.
Privet, waxleaf	
Quince	<i>Chaenomeles</i> spp.
Quince, flowering	
Redroot	<i>Ceanothus</i> spp.
Red-tip	<i>Photinia x fraseri</i>
Rhododendron	<i>Rhododendron</i> spp.
Rose	<i>Rosa</i> spp.
Rose-of-Sharon	<i>Hibiscus</i> spp.
Sweetspire, Virginia*	<i>Itea virginica</i>
Spirea	<i>Spiraea</i> spp.
Spirea, Anthony Waterer	

*(continued)*



**Table 4. Ornamental Plants** *(continued)*

Common Name	Scientific Name
Shrubs <i>(continued)</i>	
Viburnum	<i>Viburnum</i> spp.
Viburnum, shasta	
Viburnum, sweet	
Virginia sweetspire*	<i>Itea virginica</i>
Weigela	<i>Weigela florida</i>
Wild lilac	<i>Ceanothus</i> spp.
Wisteria	<i>Wisteria</i> spp. or <i>Millettia</i> spp.
Witch alder*	<i>Fothergilla</i> spp.
Yew	<i>Taxus</i> spp.
Yew, Southern*	<i>Podocarpus macrophyllus</i>
Ground Covers	
Cinquefoil, spring	<i>Potentilla</i> spp. <i>Potentilla fruticosa</i>
Gazania	<i>Gazania splendens</i>
Jasmine, Asiatic	<i>Trachelospermum asiaticum</i>
Lilyturf, big blue or giant	<i>Liriope muscari</i>
Mondgrass	<i>Ophiopogon japonica</i>
Pachysandra	<i>Pachysandra terminalis</i>
Sedum/Stonecrop	<i>Sedum</i> spp.
Verbena, mock	<i>Glandularia</i> spp.
Vervain, mock	
Herbaceous Perennials	
Alumroot	<i>Heuchera sanguinea</i>
Anemone	<i>Anemone hupehensis</i>
Astilbe (False spirea)	<i>Astilbe</i> spp.
Bellflower	<i>Campanula</i> spp.
Blanketflower*	<i>Gaillardia</i> spp.
Caladium*	<i>Caladium</i> spp.
Candytuft	<i>Iberis</i> spp.
Canna lily	<i>Canna</i> spp.
Carex	<i>Carex</i> spp.
Catmint	<i>Nepeta</i> spp.
Catnip	
Cinquefoil	<i>Potentilla</i> spp.
Clematis	<i>Clematis</i> spp.
Coneflower	<i>Echinacea</i> spp.

*(continued)*

**Table 4. Ornamental Plants** *(continued)*

Common Name	Scientific Name
Herbaceous Perennials <i>(continued)</i>	
Coral bells	<i>Heuchera sanguinea</i>
Daffodil*	<i>Narcissus</i> spp.
Daylily	<i>Hemerocallis</i> spp.
Elephant ear*	<i>Caladium</i> spp.
Fern, autumn/Shaggy shield	<i>Dryopteris erythrosora</i>
Flag	<i>Iris</i> spp.
Gaura	<i>Gaura lindheimeri</i>
Germander, dwarf	<i>Teucrium chamaedrys</i>
Gladiolus*	<i>Gladiolus</i> spp.
Goldenrod	<i>Solidago</i> spp.
Hosta	<i>Hosta</i> spp.
Hyssop	<i>Agastache</i> spp.
Ice plant	<i>Delosperma</i> spp.
Indian blanket*	<i>Gaillardia</i> spp.
Iris	<i>Iris</i> spp.
Jasmine, confederate	<i>Trachelospermum jasminoides</i>
Jasmine, star	
Jessamine	
Jessamine, Chinese star	
Lantana	<i>Lantana</i> spp.
Lavender, English	<i>Lavandula angustifolia</i>
Lily of the Nile	<i>Agapanthus africanus</i>
Lily, plantain	<i>Hosta fortunei</i>
Lilyturf, big blue or giant	<i>Liriope muscari</i>
Liriope	<i>Liriope</i> spp.
Lobelia	<i>Lobelia</i> hybrids
Mondgrass	<i>Ophiopogon japonica</i>
Mum, hardy	<i>Dendranthema</i> spp. or <i>Chrysanthemum</i> spp.
Peony, Chinese	<i>Paeonia lactiflora</i>
Purple coneflower	<i>Echinacea</i> spp.
Sage	<i>Salvia</i> spp. <i>Salvia x splendens</i>
Sage, Ramona	<i>Salvia x sylvestris</i>
Shasta daisy	<i>Chrysanthemum maximum</i> , <i>Leucanthemum superbum</i>
Shrub verbena	<i>Lantana</i> spp.

*(continued)*

**Table 4. Ornamental Plants** *(continued)*

Common Name	Scientific Name
Herbaceous Perennials <i>(continued)</i>	
Stonecrop	<i>Sedum</i> spp.
Thoroughwort	<i>Eupatorium rugosa</i>
Turtlehead/Snakehead	<i>Chelone</i> spp.
Whirling butterflies/Wandflower	<i>Gaura</i> spp.
Yarrow	<i>Achillea millefolium</i>
Bedding Plants	
Alyssum, sweet	<i>Lobularia maritima</i>
Angelonia Summer snapdragon	<i>Angelonia angustifolia</i>
Catmint Catnip	<i>Nepeta</i> spp.
Coleus Coleus blumei	<i>Solenostemon scutellarioides</i> , <i>S. blumei</i>
Dianthus	<i>Dianthus</i> spp.
Dusty miller	<i>Senecio cineraria</i>
Gazania Treasure flower	<i>Gazania</i> spp.
Marigold, African	<i>Tagetes erecta</i>
Moss rose	<i>Portulaca grandiflora</i>
Petunia	<i>Petunia</i> spp.
Primrose, evening	<i>Oenothera</i> spp.
Salvia	<i>Salvia</i> spp.
Sweet potato, ornamental	<i>Ipomoea batatas</i>
Sweet William	<i>Dianthus</i> spp.
Verbena	<i>Glandularia x hybrida</i>
Zinnia	<i>Zinnia</i> spp.

\*Not for use in California

**Landscape and Grounds Maintenance**

**FreeHand® 1.75G herbicide** can be used in landscape and grounds maintenance programs to provide extended preemergence weed control. Areas to be treated include where gravel, pebble, stone, rock, and other porous surfaces are used in landscaping instead of organic mulches.

**FreeHand 1.75G** can be used in and around established ornamental plantings in nonagricultural areas defined as follows:

- **Landscaped ornamental maintenance areas** in and around residential and commercial establishments, multifamily dwellings, military and other institutions, university or college campuses, parks, airports, roadsides, schools, picnic grounds, athletic fields, houses of worship, cemeteries, golf

courses, and prairie grass areas, common areas in residential developments, and in nonproduction areas in commercial nurseries, including storage areas, vegetation filter strips, windbreaks, shelterbelts, or cart paths.

- **General grounds maintenance in the following specified noncrop areas** – Parking lots, driveways and roadsides, highway rights-of-way, alleyways, bike and jogging paths, vacant lots, buildings, stone gardens and gravel yards, around statuary or monuments, utility substations, markers/borders and fence lines, and mulch beds. **FreeHand 1.75G** may be used under asphalt or concrete treatments as part of a site preparation program.

**Table 5. Specific Landscape and Ornamental Planting Use Site Instructions**

Site	Application Instructions
Landscape ornamental planting <sup>1</sup>	<ul style="list-style-type: none"><li>• Refer to <b>Table 2</b> for list of sensitive ornamental plants including ornamental grasses.</li><li>• <b>DO NOT</b> apply to newly transplanted ornamentals until plants have been watered and soil has been thoroughly packed and settled around roots.</li><li>• Use the lowest labeled rate. Repeat applications for extended landscape weed control.</li><li>• <b>DO NOT</b> apply at bud break.</li></ul>
<sup>1</sup> At a minimum, always test a small group of representative plants for tolerance to <b>FreeHand 1.75G</b> under local growing conditions and before large-scale use.	

Refer to **Table 1** for application rates, **Table 4** for list of ornamental plants, and **Table 6** for weeds controlled.

**Tree Plantations**

Use **FreeHand 1.75G** for preemergence weed control during site preparation, establishment, and/or maintenance of tree plantations (including Christmas trees). Also use **FreeHand 1.75G** for hardwood and conifer regeneration on Conservation Reserve Program (CRP) land or similar areas.

**FreeHand 1.75G** may be applied at planting or to established trees. Before applying at planting, it is important to close the slit to prevent **FreeHand 1.75G** from directly contacting tree roots or being washed into the root zone via the open slit, or root stunting may occur. **DO NOT** apply to newly transplanted seedlings until plants have been watered and soil has been thoroughly packed and settled around roots.

Refer to **Table 1** for application rates, **Table 4** for list of ornamental trees, and **Table 6** for weeds controlled.

**Turfgrass**

**FreeHand 1.75G** may be used in select turfgrass sites. Use sites include, but are not limited to: grounds or lawns around residential and commercial establishments, multifamily dwellings, military and other institutions, campuses, parks, airports, roadsides, schoolyards, playgrounds, picnic grounds, athletic fields and similar recreational areas, houses of worship, cemeteries, golf courses, prairiegrass, naturalized grass areas, and sod farms.

Apply **FreeHand® 1.75G herbicide** as directed for preemergence control or suppression of most annual grass weeds, many annual broadleaf weeds, and sedges as they germinate in turfgrass. Refer to **Table 6** for **weeds controlled**.

## Application Instructions

Apply **FreeHand 1.75G** to any improved or unimproved maintained warm-season turfgrass species as described in the **Tolerant Warm-season Turfgrass Species** list following. **DO NOT** apply **FreeHand 1.75G** to cool-season turfgrass species (including bentgrass, Kentucky bluegrass, fine fescue, tall fescue, perennial ryegrass) because unacceptable injury and/or thinning of stand will occur.

## Tolerant Warm-season Turfgrass Species

Bahiagrass*
Bermudagrass, common
Bermudagrass, hybrid
Buffalograss*
Centipedegrass
Kikuyugrass
St. Augustinegrass
Seashore paspalum
Zoysiagrass
* Not registered for use in California

**FreeHand 1.75G** may be applied in a sequential use program with other herbicides that control emerged weeds. **FreeHand 1.75G** may be applied before or after postemergence herbicides used to control emerged weeds in turfgrass.

For control of summer annual weeds, apply **FreeHand 1.75G** as an initial application in the spring before weed seed germination.

**NOTE:** Spring applications can be made when soil temperature is 55° F or higher and warm-season turfgrass is actively growing. If application is made before soil temperature reaches 55° F, some turfgrass species could sustain injury.

For control of winter annual weeds, apply **FreeHand 1.75G** in late summer or early fall before weed seed germination.

As a preemergence herbicide in turfgrass, **FreeHand 1.75G** must be moved into the weed seed germination zone by rainfall or irrigation (equivalent to 1/2 inch of rainfall) after application. If **FreeHand 1.75G** is not activated by rainfall or irrigation within 7 to 10 days, erratic weed control may result.

## Instructions and Limitations for Specific Turfgrass Species

### Warm-season Turfgrass

- Apply **FreeHand 1.75G** following spring transition when soil temperature is 55° F or higher and warm-season turfgrass is actively growing.
- Apply **FreeHand 1.75G** only on well-established turfgrass with a dense and uniform stand.
- Application to turfgrass stands under stress may cause turfgrass injury.
- On turfgrass thinned or damaged because of winter injury, excessive moisture, etc., allow for turfgrass recovery before applying **FreeHand 1.75G**.
- **DO NOT** apply **FreeHand 1.75G** to turfgrass where **annual bluegrass** (*Poa annua*) is part of the stand. **FreeHand 1.75G** will injure, thin, and discolor both seedling and established annual bluegrass.
- **DO NOT** apply **FreeHand 1.75G** to turfgrass if any **roughstalk bluegrass** (*Poa trivialis*) is present at any time in the stand or if roughstalk bluegrass is overseeded or unacceptable injury will occur.

### Overseeded Warm-season Turfgrass

- Delay (winter) overseeding of treated turfgrass for at least three (3) months after the last **FreeHand 1.75G** application.
- Apply **FreeHand 1.75G** to aid in the removal of annual grass in overseeded warm-season turfgrass. Apply only when soil temperature is 55° F or higher and warm-season turfgrass is actively growing.
- If **FreeHand 1.75G** is applied just before overseed removal, thinning or injury of the overseeded species may occur.
- Application of a nitrogen-containing fertilizer at or soon after a **FreeHand 1.75G** application will minimize any delay in spring greenup.

### Sprigging Warm-season Turfgrass

- Delay **FreeHand 1.75G** application until at least two (2) months after sprigging and until turfgrass roots are established.
- Following a **FreeHand 1.75G** application, delay sprigging turfgrass into the treated area for three (3) months.

### Dormant Warm-season Turfgrass

- **FreeHand 1.75G** can be applied sequentially or in concert with glyphosate or other postemergence herbicides to dormant, non-overseeded turfgrass stands.

Instructions and Limitations for Specific Turfgrass Use Sites

<b>Sod Establishment</b>
<ul style="list-style-type: none"><li>Application of <b>FreeHand® 1.75G herbicide</b> to newly sodded areas must be delayed until the turfgrass root system is well established and turfgrass has been mowed at least two (2) times.</li></ul>
<b>Re-seeding in Turfgrass Establishment</b>
<ul style="list-style-type: none"><li>Delay re-seeding of treated turfgrass for at least three (3) months after the last <b>FreeHand 1.75G</b> application.</li></ul>
<b>Newly Planted Areas (new seedlings)</b>
<ul style="list-style-type: none"><li><b>DO NOT</b> apply <b>FreeHand 1.75G</b> to newly planted areas until turfgrass has filled in and has been mowed at least four (4) times.</li></ul>
<b>Residential Turfgrass</b>
<ul style="list-style-type: none"><li><b>DO NOT</b> apply <b>FreeHand 1.75G</b> to turfgrass within 2 weeks after mechanical disturbance such as aerification and verticutting.</li></ul>
<b>Golf Course</b>
<ul style="list-style-type: none"><li><b>FreeHand 1.75G</b> may be applied to established turfgrass on tees, fairways, roughs, and any other maintained or naturalized turfgrass area on the golf course.</li><li><b>DO NOT</b> apply <b>FreeHand 1.75G</b> to putting greens.</li><li><b>DO NOT</b> apply <b>FreeHand 1.75G</b> to turfgrass within 2 weeks after mechanical disturbance such as aerification and verticutting.</li></ul>
<b>Barerground or Other Unimproved Maintained Areas, or Landscaped Areas</b>
<ul style="list-style-type: none"><li>Apply <b>FreeHand 1.75G</b> to soil, unimproved turfgrass, or in landscaped areas maintained with mulch (such as shredded hardwood or pine straw), wood chips, or gravel.</li></ul>
<b>Naturalized Areas</b>
<ul style="list-style-type: none"><li><b>Grass species - FreeHand 1.75G</b> may be used to control weeds in naturalized grass areas on species listed in the <b>Tolerant Warm-season Turfgrass Species</b> list. A reduction or elimination of seedheads may be observed on some species.</li><li><b>Wildflower and other ornamental species - FreeHand 1.75G</b> may be used to control weeds in naturalized wildflower and/or ornamental areas on species listed in <b>Table 4. Ornamental Plants</b>. A reduction or elimination of seedheads may be observed on some species.</li></ul>
<b>Industrial (unimproved) Turfgrass</b>
<ul style="list-style-type: none"><li>Industrial or unimproved turfgrass areas have a different spectrum of weeds to be controlled than those found in fine turfgrass as described in this label. <b>FreeHand 1.75G</b> controls weeds that germinate in established grass in rights-of-way, roadsides, construction sites, parks, substations, lots, or similar areas.</li></ul>

Weed Species Controlled

Table 6. Weeds Controlled

Use <b>FreeHand 1.75G</b> for preemergence control of the following weed species listed according to use rate.	
<b>100 lbs/A</b>	Weeds controlled when <b>FreeHand 1.75G</b> is applied at 100 lbs/acre (2.3 lbs <b>FreeHand 1.75G</b> /1000 sq ft)
<b>Common Name</b>	<b>Scientific Name</b>
Amaranth, Palmer	<i>Amaranthus palmeri</i>
Barneyardgrass	<i>Echinochloa crus-galli</i>
Carpetweed	<i>Mollugo verticillata</i>
Foxtail, giant	<i>Setaria faberi</i>
Foxtail, green	<i>Setaria viridis</i>
Foxtail, yellow	<i>Setaria glauca</i>
Henbit	<i>Lamium amplexicaule</i>
Lambsquarters, common	<i>Chenopodium album</i>
Pigweed, prostrate	<i>Amaranthus blitoides</i>
Pigweed, redroot	<i>Amaranthus retroflexus</i>
Pigweed, smooth	<i>Amaranthus hybridus</i>
Pigweed, tumble	<i>Amaranthus albus</i>
Pusley, Florida	<i>Richardia scabra</i>
<b>150 lbs/A</b>	In addition to the weeds controlled at 100 lbs <b>FreeHand 1.75G</b> /acre application rate, the following weeds will be controlled when <b>FreeHand 1.75G</b> is applied at 150 lbs/acre (3.4 lbs <b>FreeHand 1.75G</b> /1000 sq ft)
<b>Common Name</b>	<b>Scientific Name</b>
Amaranth, Powell	<i>Amaranthus powellii</i>
Bittercress	<i>Cardamine</i> spp.
Bluegrass, annual	<i>Poa annua</i>
Bluegrass, roughstalk	<i>Poa trivialis</i>
Brome, California	<i>Bromus carinatus</i>
Brome, downy	<i>Bromus tectorum</i>
Chamomile, mayweed	<i>Anthemis cotula</i>
Chickweed, common	<i>Stellaria media</i>
Chickweed, mouseear	<i>Cerastium vulgatum</i>
Crabgrass, large	<i>Digitaria sanguinalis</i>
Crabgrass, smooth	<i>Digitaria ischaemum</i>
Cudweed	<i>Gnaphalium</i> spp.
Cupgrass, Southwestern	<i>Eriochloa gracilis</i>
Doveweed	<i>Murdannia nudiflora</i>
Evening primrose	<i>Oenothera biennis</i>
Flatsedge, rice	<i>Cyperus iria</i>
Goosegrass	<i>Eleusine indica</i>
Groundsel, common	<i>Senecio vulgaris</i>
Johnsongrass (from seed)	<i>Sorghum halepense</i>

(continued)

**Table 6. Weeds Controlled** *(continued)*

<b>150 lbs/A</b> <i>(continued)</i>	In addition to the weeds controlled at 100 lbs <b>FreeHand® 1.75G herbicide</b> /acre application rate, the following weeds will be controlled when <b>FreeHand 1.75G</b> is applied at 150 lbs/acre (3.4 lbs <b>FreeHand 1.75G</b> /1000 sq ft)
Common Name	Scientific Name
Knotweed, prostrate	<i>Polygonum aviculare</i>
Nightshade, black	<i>Solanum nigrum</i>
Nightshade, cutleaf	<i>Solanum triflorum</i>
Nightshade, Eastern black	<i>Solanum ptycanthum</i>
Nightshade, hairy	<i>Solanum sarachoides</i>
Pearlwort*	<i>Sagina procumbens</i> or <i>S. decumbens</i>
Purslane, common	<i>Portulaca oleracea</i>
Red rice	<i>Oryza sativa</i>
Ryegrass, Italian	<i>Lolium multiflorum</i>
Sandbur, field	<i>Cenchrus incertus</i>
Shepherdspurse	<i>Capsella bursa-pastoris</i>
Signalgrass, broadleaf	<i>Brachiaria platyphylla</i>
Speedwell, corn	<i>Veronica arvensis</i>
Spurge, annual	<i>Chamaesyce</i> spp. <i>Euphorbia</i> spp.
Waterhemp, common	<i>Amaranthus rudis</i>
Waterhemp, tall	<i>Amaranthus tuberculatus</i>
Witchgrass	<i>Panicum capillare</i>
<b>200 lbs/A</b>	In addition to the weeds controlled at 100 lbs and 150 lbs <b>FreeHand 1.75G</b> /acre application rates, the following weeds will be controlled when <b>FreeHand 1.75G</b> is applied at 200 lbs/acre (4.6 lbs <b>FreeHand 1.75G</b> /1000 sq ft)
Common Name	Scientific Name
Burnweed, American*	<i>Erechtites hieracifolia</i>
Burweed, lawn	<i>Soliva pterospema</i>
Clover, hop	<i>Trifolium procumbens</i>
Crowfootgrass	<i>Dactyloctenium aegyptium</i>
Cupgrass, woolly	<i>Eriochloa villosa</i>
Dogfennel	<i>Eupatorium capillifolium</i>
Eclipta	<i>Eclipta alba</i> <i>E. prostrata</i>
Fiddleneck	<i>Amsinckia intermedia</i>
Filaree*	<i>Erodium</i> spp.
Flatsedge, rice*	<i>Cyperus iria</i>
Galinsoga, hairy*	<i>Galinsoga ciliata</i>
Itchgrass	<i>Rottboellia exaltata</i>
Junglerice	<i>Echinochloa colona</i>
Kochia	<i>Kochia scoparia</i>
Kyllinga species*	<i>Kyllinga</i> spp.
Liverwort	<i>Marchantia polymorpha</i>

*(continued)*
**Table 6. Weeds Controlled** *(continued)*

<b>200 lbs/A</b> <i>(continued)</i>	In addition to the weeds controlled at 100 lbs and 150 lbs <b>FreeHand 1.75G</b> /acre application rates, the following weeds will be controlled when <b>FreeHand 1.75G</b> is applied at 200 lbs/acre (4.6 lbs <b>FreeHand 1.75G</b> /1000 sq ft)
Common Name	Scientific Name
Lovegrass (from seed)	<i>Eragrostis</i> spp.
Marsh parsley*	<i>Apium leptophyllum</i>
Mulberry weed*	<i>Fatoua villosa</i>
Nutsedge, yellow	<i>Cyperus esculentus</i>
Panicum, browntop	<i>Panicum fasciculatum</i>
Panicum, fall	<i>Panicum dichotomiflorum</i>
Panicum, Texas	<i>Panicum texanum</i>
Pepperweed*	<i>Lepidium virginicum</i>
Phyllanthus, chamberbitter	<i>Phyllanthus urinaria</i>
Phyllanthus, long-stalked	<i>Phyllanthus tenellus</i>
Puncturevine	<i>Tribulus terrestris</i>
Ragweed, common	<i>Ambrosia artemisiifolia</i>
Rocket, London	<i>Sisymbrium irio</i>
Sedge, annual	<i>Cyperus</i> spp.
Smartweed, Pennsylvania	<i>Polygonum pennsylvanicum</i>
Sowthistle	<i>Sonchus arvensis</i>
Sprangletop, Mexican	<i>Leptochloa uninervia</i>
Sprangletop, red	<i>Leptochloa filiformis</i>
Tassel-flower	<i>Emilia</i> spp.
Velvetleaf	<i>Abutilon theophrasti</i>
Willowherb	<i>Epilobium</i> spp.
Woodsorrel, yellow	<i>Oxalis</i> spp. <i>O. corniculata</i> <i>O. stricta</i>

\*Not controlled in California

## Conditions of Sale and Warranty

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Plant injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the

**Directions For Use**, subject to the inherent risks, referred to above.

**TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.**

**TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S EXCLUSIVE REMEDY AND BASF'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF THE PRODUCT.**

**TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BASF AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, EXEMPLARY, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.**

BASF and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of BASF.

1108P

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007969-00273.20151112.**NVA 2015-04-308-0176**

Based on: NVA 2015-04-308-0082

Supersedes: NVA 2013-04-308-0128

BASF Corporation  
26 Davis Drive  
Research Triangle Park, NC 27709



We create chemistry

## NOTES





# FreeHand® 1.75G

## Herbicide

Group 3 15 Herbicide

**For use as a preemergence weed control herbicide in ornamental production, landscape and grounds maintenance, turfgrass, and other specified noncrop areas**

### Active Ingredients:

dimethenamid-P: (S)-2-chloro-N-[(1-methyl-2-methoxy)ethyl]-N-(2,4-dimethyl-thien-3-yl)-acetamide ..... 0.75%

pendimethalin: N-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine ..... 1.00%

**Other Ingredients:** ..... 98.25%

**Total:** ..... 100.00%

50 lbs contains 0.375 lb of dimethenamid-P and 0.5 lb of pendimethalin.

EPA Reg. No. 7969-273

EPA Est. No. 5905-IA-001

## 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 this label, find someone to explain it to you in detail.)

### FIRST AID

**If swallowed:** Call a poison control center or doctor immediately for treatment advice. **DO NOT** induce vomiting unless told to do so by a poison control center or doctor. **DO NOT** give any liquid to the person. **DO NOT** give anything by mouth to an unconscious person. **If in eyes:** Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes; then continue rinsing eyes. Call a poison control center for treatment advice. **If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice. **If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth to mouth, if possible. Call a poison control center or doctor for further treatment advice. **HOTLINE NUMBER:** Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact BASF Corporation for emergency medical treatment information: 1-800-832-HELP (4357).

### Precautionary Statements

#### Hazards to Humans and Domestic Animals

**CAUTION.** Harmful if swallowed. Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Avoid breathing dust. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

#### Environmental Hazards

This product is toxic to fish. **DO NOT** apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. **DO NOT** contaminate water when disposing of equipment washwater or rinsate.

Dimethenamid-P has properties that may result in groundwater contamination. Application in areas where soils are permeable or coarse and groundwater is near the surface could result in groundwater contamination. Dimethenamid-P has properties that may result in surface water contamination via dissolved runoff and runoff erosion. Practices should be followed to minimize the potential for dissolved runoff and/or runoff erosion.

## STORAGE AND DISPOSAL

**DO NOT** contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

#### Pesticide Storage

**DO NOT** store above 120° F. Store in original containers and keep closed. Store in a cool, dry place.

#### Pesticide Disposal

Wastes resulting from the use of this product must be disposed of on-site or at an approved waste disposal facility.

#### Container Handling

**(for plastic containers) Nonrefillable Container. DO NOT reuse or refill this container.** After completely emptying container into application equipment, offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

**(for paper or plastic bags) Nonrefillable Container. DO NOT reuse or refill this container.** After completely emptying container into application equipment, dispose of empty bag in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

**In case of emergency endangering life or property involving this product, call day or night 1-800-832-HELP (4357).**

See attached booklet for complete **First Aid, Precautionary Statements, Directions For Use, Conditions of Sale and Warranty**, and state-specific and/or use site restrictions.

**Net Contents: 50 pounds**

81046849 NVA 2015-05-308-0811  
Product of U.S.A.

Produced for:  
BASF Corporation  
26 Davis Drive  
Research Triangle Park, NC 27709

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