

# FUERTE™

## Ornamental Herbicide



An American Vanguard Company

A GRANULAR HERBICIDE FOR PRE-EMERGENT CONTROL OF GRASSY AND BROADLEAF WEEDS IN FIELD AND CONTAINER ORNAMENTALS

### Product Information Bulletin

478

## GENERAL INFORMATION

**FUERTE** is a combination herbicide containing two selective active ingredients that provide a broad spectrum of weed control with excellent plant tolerance on ornamentals.

**FUERTE** contains 0.125% flumioxazin and 0.75% prodiamine on a dust-free granule.

**Common Name:** Flumioxazin and Prodiamine

**Class:** N-phenylphthalimides and Pyridine

GROUP	14 + 3	HERBICIDE
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**Packaging:** 50 lbs. bags

## RESTRICTED ENTRY INTERVAL (REI) AND SIGNAL WORD

REI = **12 hours**      Signal Word = **CAUTION**

## PERSONAL PROTECTIVE EQUIPMENT (PPE)

- Coveralls
- Chemical-resistant gloves made of any waterproof material.
- Socks and shoes

## MODE OF ACTION

**FUERTE** provides weed control by combining two modes of action, inhibition of both protoporphyrinogen oxidase (PPO) (MOA 14) and microtubule assembly (MOA 3). These MOAs result in the inhibition of cell wall formation and mitotic processes in shoots and roots of emerging seedling weeds. The result is the prevention of weed seed emergence.

## USE SITES

**FUERTE** is registered for use in field, container and landscape ornamentals, grounds maintenance, and noncropland areas. Also for Christmas tree farms and conifer farms.

## APPLICATION RATES

Apply **FUERTE** herbicide at the rate of 100 lbs. per acre with a limit of 200 lbs. per acre per year.

## KEY WEEDS CONTROLLED

### BROADLEAF WEEDS

- |                           |                                     |
|---------------------------|-------------------------------------|
| Alyssum, Hoary            | Mulberry Weed                       |
| Amaranth (Palmer & Spiny) | Nightshade                          |
| Beggarweed, Florida       | Parsley-piert                       |
| Bittercress, Hairy        | Pearlwort, Birdeye                  |
| Burclover, California     | Pennycress, Field                   |
| Carpetweed                | Phyllanthus, Longstocking           |
| Chickweed, Mouseear       | Pigweed, Redroot                    |
| Croton, Tropic            | Pineapple-weed                      |
| Dandelion                 | Plantain, Bracted                   |
| Dayflower, Benghal        | Plantain, Broadleaf                 |
| Dogfennel                 | Plantain, Buckhorn                  |
| Doveweed                  | Purslane, Common                    |
| Eclipta                   | Pusley, Florida                     |
| Filaree, Redstem          | Ragweed, Common & Giant             |
| Galinsoga, Hairy          | Redmaids                            |
| Geranium, Carolina        | Rocket, Yellow                      |
| Groundsel, Common         | Senna, Coffee                       |
| Henbit                    | Sida, Prickly (Teaweed)             |
| Horseweed                 | Shepherd's-purse                    |
| Indigo, Hairy             | Smartweed, Pennsylvania             |
| Jimsonweed                | Sowthistle, Annual                  |
| Kochi                     | Speedwell, Broadleaf                |
| Knotweed                  | Sprangletop, Persian                |
| Ladysthumb                | Spurge, Prostrate                   |
| Lambsquarters, Common     | Spurge, Spotted                     |
| Liverwort (Suppression)   | Starbur, Bristly                    |
| Mallow, Common            | Thickhead                           |
| Mallow, Little, Venice    | Thistle, Canada, Russian, seed only |
| Mayweed                   | Velvetleaf                          |
| Morning glory             | Woodsorrel, Yellow                  |
| Moss spp.                 |                                     |

### GRASSY WEEDS

- |                     |                       |
|---------------------|-----------------------|
| Barnyardgrass       | Jungle Rice           |
| Bluegrass, Annual   | Lovegrass, California |
| Crabgrass, Large    | Panicum spp.          |
| Crabgrass, Smooth   | Rescuegrass           |
| Crabgrass, Southern | (suppression)         |
| Crowfootgrass       | Sesbania, Hemp        |
| Cupgrass, Wooly     | Signalgrass           |
| Foxtail spp.        | Waterhemp, Common &   |
| Goosegrass          | Tall                  |
| Itchgrass           | Witchgrass            |
| Johnsongrass (Seed) |                       |

## PARTIAL LIST OF CROPS TOLERANT TO FUERTE

Abelia	Crabapple, Flowering	Hemlock	Oleander	Rhododendron
Acacia	Cotoneaster	Holly	Photinia	Red Cedar, Eastern
Arborvitae	Dogwood, Florida	Hawthorne	Poplar	Sourwood
Ash	Elaeagnus	Juniper	Pieris	Sweetgum, American
Barberry	English Ivy	Lillyturf	Pine	Spruce
Bottlebrush	Eunoymus, Winged	Magnolia	Pittosporum	Sycamore
Bradford Pear	Forsythia	Maple	Photinia	Weigela
Camellia	Fir	Mulberry, White	Privet	Wild Lilac
Cinquefoil	Gardenia	Mycoporum	Redbud	Walnut
Crape myrtle	Heather	Oak	Rose	Yew

For restrictions and plant names refer to the container label. See label for complete list of tolerant crops.

### Treatment of ornamental species not listed on the label for FUERTE

The species listed in the table above have been tested under actual growing conditions and found tolerant at the recommended application rate. Users who wish to use **FUERTE** on ornamental plant species not listed on the label may determine the suitability for use by treating a small number of such plants at the recommended rate. The user assumes responsibility for any plant damage or other liability resulting from use of **FUERTE** on plant species not recommended on the label.

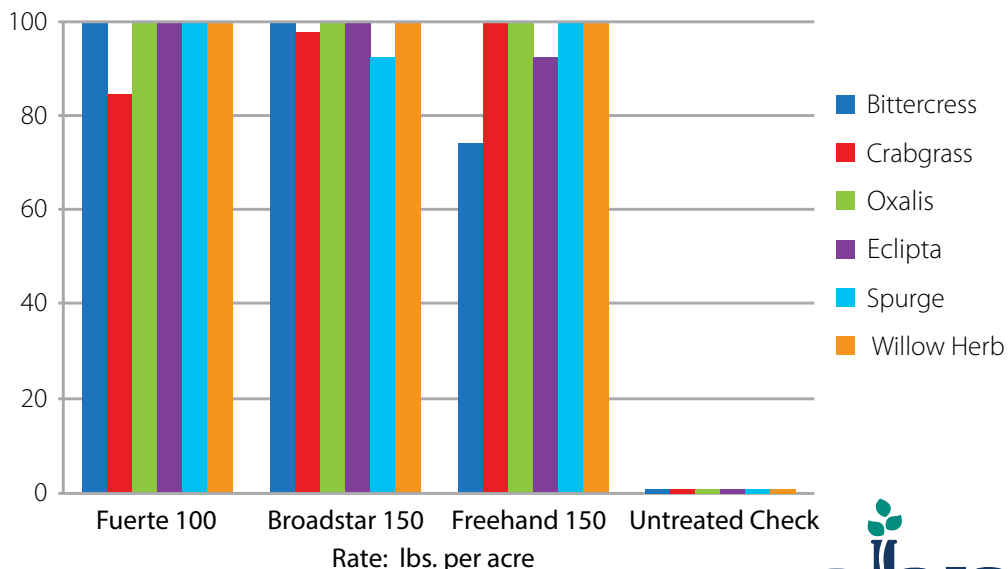
**FUERTE** has shown excellent grassy and broadleaf weed control in a number of university tests. It is particularly good on crabgrass, oxalis and spurge, among other hard to control weeds.

### Injury on the following plant species has been observed following applications of FUERTE and use is not recommended.

COMMON NAME	SCIENTIFIC NAME
Butterfly Bush	<i>Buddleia davidii</i>
Clethra, Summersweet	<i>Clethra alnifolia</i>
Deutzia, Slender	<i>Deutzia gracilus</i> "Nikko"
Holly, Winterberry	<i>Ilex verticillata</i>
Hydrangea	<i>Hydrangea</i> spp.
Nandina	<i>Nandina domestica</i> "Fire power"
Plumbago, Cape	<i>Plumbago auriculata</i>
Spirea, Japanese	<i>Spiraea japonica</i>
Wax Myrtle, Southern (seedling)	<i>Myrica cerifera</i>

### % Weed Control DAT

Dr. A. Senesac, Cornell Univ.



Use of Fuerte according to the labeling is subject to the use precautions and limitations imposed by the label affixed to the bag of Fuerte. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Always read the product label prior to product use.

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