

## **Bastillia**

### **Glufosinate Ammonium**

General non-selective herbicide for post-emergence weed control in orchards, citrus groves, vineyards, for area preparation before sowing or planting, and for desiccation of potato haulms before harvest.

**Packaging:** 5 Liters

#### **General:**

Bastillia is a general non-selective herbicide, containing the active ingredient Glufosinate ammonium in an amount of 150 grams per liter of product. It inhibits the activity of the enzyme glutamine synthetase. It kills existing annual and perennial vegetation on contact. Bastillia does not prevent the emergence of weeds or cultivated plants. The product is absorbed by the green parts of the plant and is not absorbed through the root system.

The product is effective in controlling a wide variety of annual and perennial weeds, grasses, and broadleaves, as indicated in the directions for use table. Bastillia kills existing vegetation at various phenological stages after emergence. To achieve maximum efficacy, it must be sprayed on vital plants, and a sufficient foliage area is required for the absorption of the product. Perennial weeds are sprayed at the peak of growth or during flowering. Annual weeds are sprayed at the end of emergence. The symptoms manifest as yellowing of the green plant parts, browning, and drying. Initial signs can be expected about 3 days after spraying. Maximum scorching is achieved after 7-10 days from spraying.

To ensure absorption of the product into the plant canopy, overhead irrigation should be avoided for 48 hours after spraying.

Rain falling less than six hours after spraying reduces treatment efficacy.

#### **Directions for Use**

| <b>Crop</b>                                                                                                           | <b>Target Weeds</b>                                        | <b>Continuous Area Spraying: Dosage (cc/dunam)</b> | <b>Spot Spraying: Concentration (%)</b> | <b>Spray Volume (Liters/dunam)</b> |
|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------|-----------------------------------------|------------------------------------|
| Avocado, peach, pear, nectarine, almond grapevine, apple, citrus and area preparation (1)                             | Annual plants (grasses and broadleaves) up to 10 cm height | 250                                                | 1%                                      | 15-40                              |
| Along railways and intercity roadsides, around water reservoirs and drainage canals, and areas around settlements and | Annual plants (grasses and broadleaves) up to 40 cm height | 500                                                | 1.5%                                    | 15-40                              |

|                                                    |                                                                 |      |      |       |
|----------------------------------------------------|-----------------------------------------------------------------|------|------|-------|
| agricultural facilities without cultivated plants. |                                                                 |      |      |       |
|                                                    | Purple nutsedge up to 20 cm height                              | 300  | 1%   | 15-40 |
|                                                    | Syrian mesquite, Field bindweed                                 | 1000 | 2%   | 15-40 |
|                                                    | Perennial grasses<br>Bermudagrass, Johnsongrass                 | 600  | 1.5% | 15-40 |
|                                                    | Perennial broadleaves<br>(Withania somnifera, False yellowhead) | 1000 | 2%   | 15-40 |

*(1) Up to three days before sowing/planting.*

#### **Application in Potatoes, Corn, and Beans**

| <b>Crop</b> | <b>Purpose</b>    | <b>Dosage/Concentration (cc/dunam)</b> | <b>Spray Volume (Liters/dunam)</b> | <b>Days Before Harvest</b> |
|-------------|-------------------|----------------------------------------|------------------------------------|----------------------------|
| Potato      | Haulm desiccation | 300                                    | 20-30                              | 7                          |

*(2) Do not spray in potato fields intended for seeds.*

**Time of application:** 110-130 days from sowing, when the crop reaches the stage of senescence and full maturity.

**Last application:** 7 days before harvest.