

# **SPOTGUN BASAL SOIL TREATMENT**

## General Information

Do not use on food or feed crops except as specified by this label.

### IMPORTANT RESTRICTIONS

DO NOT USE ON FOOD OR FEED CROPS EXCEPT AS SPECIFIED BY THIS LABEL. Injury to or loss of desirable trees or other plants may result if the restrictions listed below are not followed.

- Do not apply Omni Brand MSM 60 DF Herbicide (except as specified), or drain or flush equipment on or near desirable trees or other plants, or on areas where their roots may extend or in locations where the product may be washed or moved into contact with their roots.
- Prevent drift of spray to desirable plants.
- Do not contaminate any body of water, including irrigation water.
- Keep from contact with fertilizers, insecticides, fungicides and seeds.

Spraying and mixing equipment used with Omni Brand MSM 60 DF Herbicide must not be used for subsequent applications to food or feed crops with the exception of pastures, rangeland, and wheat, as low rates of Omni Brand MSM 60 DF Herbicide can kill or severely injure most food or feed crops.

Use Omni Brand MSM 60 DF Herbicide only in accordance with directions on this label. Helena Chemical Company will not be responsible for losses or damages resulting from the use of this product in any manner not specifically specified by Helena Chemical Company. User assumes all risks associated with such non-specified use.

### IMPORTANT INFORMATION

#### PESTICIDE HANDLING

- Calibrate sprayers only with clean water away from the well site.
- Make scheduled checks of spray equipment.
- Assure accurate measurement of pesticides by all operation employees.
- Mix only enough product for the job at hand.
- Avoid overfilling of spray tank.
- Do not discharge excess material on the soil at a single spot in the field or mixing/loading station.
- Dilute and agitate excess solution and apply at labeled rates/uses.

- Avoid storage of pesticides near well sites.
- When triple rinsing the pesticide container, be sure to add the rinsate to the spray mix.
- Do not apply this product through any type of irrigation system.

## SPRAY EQUIPMENT

For specific application equipment, refer to the manufacturer's recommendations for additional information on GPA, pressure, speed, nozzle types and arrangements, nozzle heights above the target canopy, etc. Be sure to calibrate air or ground equipment properly before application. Select a spray volume and delivery system that will ensure thorough coverage and a uniform spray pattern with minimum drift. Use higher spray volumes to obtain better coverage when the crop canopy is dense. Avoid swath overlapping, and shutoff spray booms while starting, turning, slowing, or stopping to avoid crop injury.

Do not make applications using equipment and/or spray volumes or under weather conditions that might cause spray to drift onto nontarget sites. For additional information on spray drift, refer to the Spray Drift Management section of the label. Continuous agitation is required to keep Omni Brand MSM 60 DF in suspension.

### At the End of the Day

When multiple loads of Omni Brand MSM 60 DF Herbicide are applied, it is recommended that at the end of each day of spraying the interior of the tank be rinsed with fresh water and then partially filled, and the boom and hoses flushed. This will prevent the buildup of dried pesticide deposits that can accumulate in the application equipment.

To avoid subsequent injury to desirable crops, thoroughly clean all mixing and spray equipment immediately following applications of Omni Brand MSM 60 DF Herbicide as follows:

1. Drain tank; thoroughly rinse spray tanks, boom, and hoses with clean water. Loosen and physically remove any visible deposits.
2. Fill the tank with clean water and 1 gal. of household ammonia\* (contains 3% active) for every 100 gal. of water. Flush the hoses, boom, and nozzles with the cleaning solution. Then add more water to completely fill the tank. Circulate the cleaning solution through the tank and hoses for at least 15 minutes. Flush the hoses, boom, and nozzles again with the cleaning solution, and then drain the tank.
3. Remove the nozzles and screens and clean separately in a bucket containing cleaning agent and water.

4. Repeat Step 2.
5. Rinse the tank, boom, and hoses with clean water.
6. If only ammonia is used as a cleaner, the rinsate solution may be applied back to the crop(s) specified on this label. Do not exceed the maximum-labeled use rate. If other cleaners are used, consult the cleaner label for rinsate disposal instructions. If no instructions are given, dispose of the rinsate on site or at an approved waste disposal facility.

\*Equivalent amounts of alternate-strength ammonia solution or a Helena Chemical Company approved cleaner can be used in the cleanout procedure. Carefully read and follow the individual cleaner instructions. Consult your agricultural dealer, applicator, or Helena Chemical Company representative for a listing of approved cleaners.

#### Notes:

1. Attention: Do not use chlorine bleach with ammonia as dangerous gasses will form. Do not clean equipment in an enclosed area.
2. Steam-cleaning aerial spray tanks is recommended prior to performing the above cleanout procedure to facilitate the removal of any caked deposits.
3. When Omni Brand MSM 60 DF Herbicide is tank mixed with other pesticides, examine all required cleanout procedures and follow the most rigorous procedure.
4. In addition to this cleanout procedure, follow all pre-cleanout guidelines on subsequently applied products as per the individual labels.
5. Where routine spraying practices include shared equipment frequently being switched between applications of Omni Brand MSM 60 DF Herbicide and applications of other pesticides to Omni Brand MSM 60 DF Herbicide sensitive crops during the same spray season, it is recommended that a sprayer be dedicated to Omni Brand MSM 60 DF Herbicide to further reduce the chance of crop injury.

#### RESISTANCE

When herbicides that affect the same biological site of action are used repeatedly over several years to control the same weed species in the same field, naturally-occurring resistant biotypes may survive a correctly applied herbicide treatment, propagate, and become dominant in that field. Adequate control of these resistant weed biotypes cannot be expected. If weed control is unsatisfactory, it may be necessary to retreat the problem area using a product affecting a different site of action.

To better manage herbicide resistance through delaying the proliferation and possible dominance of herbicide resistance weed biotypes, it may be necessary to change cultural practices within and between crop seasons, such as using a combination of tillage, retreatment, tank-mix partners and/or sequential herbicide applications that have a different site of action. Weed escapes that are allowed to go to seed will promote the spread of resistant biotypes.

It is advisable to keep accurate records of pesticides applied to individual fields to help obtain information on the spread and dispersal of resistant biotypes. Consult your agricultural dealer, consultant, applicator, and/or appropriate state agricultural extension service representative for specific alternative cultural practices or Herbicide recommendations available in your area.

#### INTEGRATED PEST MANAGEMENT

This product may be used as a part of an Integrated Pest Management (IPM) program that can include biological, cultural, and genetic practices aimed at preventing economic pest damage. IPM principles and practices include field scouting or other detection methods, correct target pest identification, population monitoring and treating when target pest populations reach locally determined action thresholds. Consult your state cooperative extension service, professional consultants or other qualified authorities to determine appropriate action treatment threshold levels for treating specific pest/crop systems in your area.

#### Limitations, Restrictions, and Exceptions

#### BRUSH CONTROL

##### Application Information

##### Spotgun Basal Soil Treatment

For control of multiflora rose, prepare a spray suspension of Omni Brand MSM 60 DF Herbicide by mixing 1 ounce per gallon of water. Mix vigorously until the Omni Brand MSM 60 DF Herbicide is dispersed and agitate periodically while applying the spray suspension.

Apply the spray preparation with an exact delivery handgun applicator. Apply at the rate of 4 milliliters for each 2 feet of rose canopy diameter. Direct the treatment to the soil within 2 feet of stem union. When treating large plants and more than one delivery is required, make applications on opposite sides of the plant.

Make applications from early spring to summer.

#### IMPORTANT PRECAUTIONS--NON-CROP BRUSH ONLY

When using tank mixtures of Omni Brand MSM 60 DF Herbicide with companion Herbicides, read and follow all the use instructions, application rates, warnings and precautions appearing on the labels. Follow the most restrictive label instruction for each of the Herbicides used.

#### SPRAY EQUIPMENT

Spraying and mixing equipment used with Omni Brand MSM 60 DF Herbicide must not be used for subsequent application to food or feed crops with the exception of pastures, rangeland and wheat, as low rates of Omni Brand MSM 60 DF Herbicide can kill or severely injure most food or feed crops.

The selected sprayer should be equipped with an agitation system to keep Omni Brand MSM 60 DF Herbicide suspended in the spray tank.

Use a sufficient volume of water to thoroughly cover the foliage of undesirable weeds, generally 10 to 40 gallons per acre. Select a spray volume and delivery system that will deliver a uniform spray pattern. Be sure the sprayer is calibrated before use. Avoid overlapping and shut off spray booms while starting, turning, slowing, or stopping, to avoid injury to desired plants.

Refer to the brush control section of this label for information unique to that particular use.

#### PRECAUTIONS

- Treatment of powdery, dry soil or light, sandy soil when there is little likelihood of rainfall soon after treatment may result in off target movement and possible damage to susceptible crops when soil particles are moved by wind or water. Injury to crops may result if treated soil is washed, blown, or moved onto land used to produce crops. Exposure to Omni Brand MSM 60 DF Herbicide may injure or kill most crops. Injury may be more severe when crops are irrigated. Do not apply Omni Brand MSM 60 DF Herbicide when these conditions are identified and powdery, dry soil or light, and sandy soils are known to be prevalent in the area being treated.
- Applications made where runoff water flows onto agricultural land may injure crops. Applications made during periods of intense rainfall, to soils saturated with water, to surfaces paved with materials such as asphalt or concrete, or to soils through which rainfall will not readily penetrate may result in runoff and movement of Omni Brand MSM 60 DF Herbicide. Do not treat frozen soil. Treated soil should be

left undisturbed to reduce the potential for Omni Brand MSM 60 DF Herbicide movement by soil erosion due to wind or water.

- Spraying and mixing equipment used with Omni Brand MSM 60 DF Herbicide must not be used for subsequent application to food or feed crops with the exception of pastures, rangeland, and wheat, as low rates of Omni Brand MSM 60 DF Herbicide can kill or severely injure most food or feed crops.
- Applications of Omni Brand MSM 60 DF Herbicide to pastures, rangeland or CRP undersown with legumes may cause injury to the legumes. Legumes in a seeding mixture may be severely injured or killed following an application of Omni Brand MSM 60 DF Herbicide.
- When used as directed, there are no grazing or haying restrictions for use rates of 1 2/3 ounces per acre and less (see RESTRICTIONS section for grazing restrictions at higher use rates).

#### RESTRICTIONS:

- Do not apply through any type of irrigation system.
- Do not apply to irrigated land where the tailwater will be used to irrigate crops.
- Do not apply to snow-covered ground.
- Do not use this product in the following counties of Colorado: Saguache, Rio Grande, Alamosa, Costilla and Conejos
- Do not use this product in California.
- Do not use on grasses grown for seed.
- When making application at use rates of 1 2/3 to 3 1/3 ounces per acre, wait 3 days after treatment to cut forage grasses for hay, fodder or green forage and feeding to livestock, including lactating animals (there are no grazing restrictions for use rates of 1 2/3 oz/acre or less).
- Do not drain or flush equipment on or near desirable trees or other plants, or on areas where their roots may extend, or in locations where the product may be washed or moved into contact with their roots, as injury or loss of desirable trees or other plants may result.

#### Method

[Basal Soil Treatment](#)

#### Rates

[field rates 0](#)

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Restricted Entry Interval

4 hours

Timings

[From early Spring to Summer.](#)