

66222-60

06-20-2007

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MAKHTESHIM
A G A N
FOR AMERICA

ACCEPTED

JUN 20 2007
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

SUPPLEMENTAL LABELING MANA ARROW 2EC HERBICIDE

66222-60

EPA Reg. No: 66222-60

Contains clethodim, the active ingredient used in Select® herbicide and Prism® herbicide
MANA Arrow 2EC Herbicide is not manufactured or distributed by Valent U.S.A. Corporation

ACTIVE INGREDIENT

% BY WT.

Clethodim: (E)-2-[1-[(3-chloro-2-propenyl)oxy]imino]propyl]- 26.4%
5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one

OTHER INGREDIENTS: 73.6%

TOTAL 100.0%

Contains petroleum distillate.
Contains 2.0 lbs. clethodim per gallon.

DIRECTIONS FOR USE

- It is a violation of Federal law to use this product inconsistent with its labeling.
- This supplemental labeling must be in the possession of the user at the time of pesticide application.
- This supplemental label contains new or supplemental instructions for use of this product which do not appear on the EPA-registered package label. Follow all instructions on this label and the label on the container carefully.
- Follow all applicable directions, restrictions, Worker Protection Standard requirements, and precautions on this label and the EPA registered label attached to the container.

RESTRICTION:

- Application on Long Island, New York is restricted to no more than 16 fl. oz of MANA Arrow 2EC Herbicide (0.25 lb a.i.) per acre per season.

CROP SPECIFIC USE DIRECTIONS, RESTRICTIONS, AND LIMITATIONS FOR MANA ARROW 2EC HERBICIDE

Crops	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates per Acre ²	Special Use Instructions and Restrictions
Asparagus	1 day	6 to 8 fl. oz	1% v/v in the finished spray volume.	Do not apply more than 8 fl. oz per acre in a single application. For repeat applications, make on a minimum of a 14 day interval. Do not apply more than 8 fl. oz per acre (0.5 lb. a.i./A) per season. Addition of liquid fertilizer is not recommended for this crop.
Bean (Succulent) Bean (<i>Lupinus</i> spp.: grain, sweet, white, white sweet) Bean (<i>Phaseolus</i> spp.: field, kidney, lima (dry), navy, pinto, tepary) Bean (<i>Vigna</i> spp.:	21 days	6 to 8 fl. oz	1 quart by ground or 1% v/v (but not less than 1 pint per acre) by air ³	Refer to appropriate table for reduced rate recommendations for the control of small annual grasses on the container label. Do not make more than one application per acre per season.

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<p>adzuki, blackeyed pea, catjang, cowpea, crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean); Broad (dry); Chickpea garbanzo); Guar; Lablab bean; Lentil</p>				<p>Do not apply more than 8 fl. oz per acre in a single application. The addition of AMS has shown improved grass control for difficult to control species including quackgrass, rhizome Johnsongrass, red rice, wild oats, volunteer cereals, and volunteer corn.</p>
<p>Herbs including: angelica, balm, basil, borage, burnet, camomile, catnip, chervil (dried), chive, Chinese chive, clary, coriander (leaf), costmary, cilantro (leaf), curry (leaf), dill (dillweed), horehound, hyssop, lavender, lovage (leaf), marigold, marjoram (<i>origanum</i> spp.), nasturtium, parsley (dried), pennyroyal, rosemary, rue, sage, savory (summer and winter)</p>	<p>14 days</p>	<p>6 to 8 fl. oz</p>	<p>1 % v/v in the finished spray volume.</p>	<p>MANA Arrow 2EC Herbicide has not been tested on all herbs and herb varieties. It is the responsibility of the user to test MANA Arrow 2EC Herbicide on a small portion of the crop to be treated before treating the entire field. Crop tolerance to MANA Arrow 2EC Herbicide should be verified on a small area of the herb crop, at the desired MANA Arrow 2EC Herbicide rate and with the same crop oil concentrate that will be used on the herb field. If no crop response is evident seven (7) days after treatment, MANA Arrow 2EC Herbicide may be used on the entire field at the rate tested and with the same crop oil used in the tolerance test. Do not apply more than 8 fl. oz per acre in a single application. For repeat applications, make on a minimum of a 14 day interval. Addition of liquid fertilizer is not recommended for this crop.</p>
<p>Hops</p>	<p>21 days</p>	<p>6 to 8 fl. oz</p>	<p>1% v/v in the finished spray volume.</p>	<p>Do not apply more than 8 fl. oz per acre in a single application. For repeat applications make on a minimum of a 14 day interval. Addition of liquid fertilizer is not recommended for this crop.</p>

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<p>Leafy Greens including: Amaranth (Chinese spinach, leafy amaranth, tampala), Arugula (roquette), chervil; chrysanthemum, edible-leaved; chrysanthemum, garland; corn salad; Cress, garden; cress, upland (yellow rock and witner); dandelion; dock (sorrel); endive (escarole); Lettuce, head and leaf; orach; parsley; purslane, garden, winter; Radicchio (red chickory); Spinach, New Zealand; Spinach, vine (Indian and malabar); Swiss chard.</p>	<p>14 days</p>	<p>6 to 8 fl. oz</p>	<p>1% v/v in the finished spray volume.</p>	<p>Do not apply more than 8 fl. oz per acre in a single application. For repeat applications make on a minimum of a 14 day interval. Addition of liquid fertilizer is not recommended for this crop.</p>
<p>Pea, Shelled (<i>Pisum</i> spp.) including: Field, Pigeon</p>	<p>30 days</p>	<p>6-8 fl. oz</p>	<p>1 qt. by ground or 1% v/v (but not less than 1 pt./A) by air.³</p>	<p>Do not apply more than 8 fl. oz per acre in a single application. Do not apply more than one application per acre per season. Apply before bloom but not later than 30 days prior to harvest. (See Note) Refer to appropriate table for reduced rate recommendations for the control of small annual grasses. For repeat applications make on a minimum of a 14 day interval. The addition of AMS has shown improved grass control for difficult to control species including quackgrass, rhizome Johnsongrass, red rice, wild oats, volunteer cereals, and volunteer corn. NOTE: Application of Mana Arrow 2EC Herbicide to peas during the bloom period could result in severe crop injury, including loss of yield and delayed maturity.</p>

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<p>Pea, Succulent Shelled (<i>Pisum</i> spp.) Pea (<i>Pisum</i> spp.), English pea, garden pea, green pea, pigeon pea</p>	<p>21 days</p>	<p>6-8 fl. oz</p>	<p>1 qt. by ground or 1% v/v (but not less than 1 pt./A) by air.³</p>	<p>Do not apply more than 8 fl. oz per acre in a single application. Do not apply more than one application per acre per season. Apply before bloom but not later than 21 days prior to harvest. (see note) Refer to appropriate table for reduced rate recommendations for the control of small annual grasses. The addition of AMS has shown improved grass control for difficult to control species including quackgrass, rhizome Johnsongrass, red rice, wild oats, volunteer cereals, and volunteer corn. NOTE: Application of Mana Arrow 2EC Herbicide to peas during the bloom period could result in severe crop injury, including loss of yield and delayed maturity.</p>
<p>Safflower</p>	<p>70 days</p>	<p>6 to 8 fl. oz</p>	<p>1 % v/v in the finished spray volume.</p>	<p>Do not apply more than 8 fl. oz per acre in a single application. For repeat applications, make on a minimum of a 14 day interval. Addition of liquid fertilizer is not recommended for this crop</p>
<p>Sesame</p>	<p>14 days</p>	<p>6 to 8 fl. oz</p>	<p>1 % v/v in the finished spray volume.</p>	<p>Do not apply during flowering. Do not apply more than 8 fl. oz per acre in a single application. For repeat applications, make on a minimum of a 14 day interval. Addition of liquid fertilizer is not recommended for this crop</p>

¹ MANA Arrow 2EC Herbicide is not recommended for use on vegetable crops being grown for seed production unless specific use directions are provided.

² Acceptable crop oil concentrates would be those which contain a minimum of 80% oils and 15% emulsifier. A crop oil concentrate must contain either a petroleum or vegetable oil base and must meet all of the following criteria: be nonphytotoxic, contain only EPA-exempt ingredients, provide good mixing quality and be successful in local experience. Highly refined vegetable oils have proven more satisfactory than unrefined vegetable oils. See the **ADDITION OF ADJUVANT OR CROP OIL CONCENTRATE** section of the master label for further information.

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³ 1 to 2 qts. per acre of liquid fertilizer (10-34-0, 28%N or 32%N), or an equivalent amount (2.5 to 4.0 lbs./A) of spray grade ammonium sulfate (AMS) may be added to MANA Arrow 2EC applications, in addition to the recommended rate of crop oil concentrate.

DRY AND SUCCULENT SHELLED BEANS

MANA ARROW 2EC HERBICIDE TANK MIXES WITH BROADLEAF HERBICIDES FOR DRY AND SUCCULENT SHELLED BEANS
(REFER TO THE RECOMMENDATIONS TABLES ON CONTAINER LABEL FOR SPECIFIC GRASSES AND GROWTH STAGES).

PRODUCT ²	APPLICATION RATES/ACRE ¹		CROP OIL CONCENTRATE ³ (V/V)	
	ANNUAL GRASSES	PERENNIAL GRASSES	GROUND	AIR
MANA ARROW 2EC HERBICIDE + BASAGRAN ®	8 TO 10 FL. OZ + 1 TO 2 PINTS	10 TO 16 FL. OZ + 1 TO 2 PINTS	1 %	1%

¹ If grass regrowth occurs or an additional flush of new grass emerges, make a second application of MANA Arrow 2EC Herbicide alone (without a tank mix herbicide), according to the appropriate size and rate recommendations.

² Broadleaf weed control may be reduced when grass populations are tall enough or dense enough to intercept the spray pattern and prevent them from receiving complete coverage. Tank mixing is not recommended in these situations.

³ Always use a crop oil concentrate at the listed rate (but not less than 1 pt. per acre) in the finished spray volume.

LIMITATION OF WARRANTY AND LIABILITY

Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Makhteshim Agan of North America, Inc. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, Makhteshim Agan of North America, Inc. makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of Makhteshim Agan of North America, Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Makhteshim Agan of North America, Inc. disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at Makhteshim Agan of North America, Inc.'s election, the replacement of product.