



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

August 8, 2017

Laura Phelps
Registration Manager
Makhteshim Agan of North America, Inc. (d/b/a ADAMA)
3120 Highwoods Blvd #100
Raleigh, NC 27604

Subject: Label Amendment – Amend pre-plant interval for root vegetables
Product Name: MCW-2 15G
EPA Registration Number: 66222-262
Application Date: 09-June-2016
Decision Number: 519257

Dear Ms. Phelps:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

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with FIFRA section 6. If you have any questions, please contact Dee Colby by phone at 703-347-8657, or via email at colby.deanna@epa.gov.

Sincerely,

A handwritten signature in blue ink that reads "Dee Colby" with a small "for" written below it.

Venus Eagle, Product Manager 01
Invertebrate & Vertebrate Branch 3
Registration Division (7505P)
Office of Pesticide Programs

Enclosure: Stamped Label

MCW-2 15G

[Alternate brand name NIMITZ® 15G Nematicide]

For nematode control in Root Crops except sugar beet (Crop groups 1B) and Tuberous and Corm vegetables (Crop groups 1C), including carrot, radish, potato, and turnip.

ACTIVE INGREDIENT:	% BY WT.
Fluensulfone: 5-chloro-2 (3,4,4-trifluoro-but-3-ene-1-sulfonyl)-thiazole	15%
OTHER INGREDIENTS:	85%
TOTAL:	100.0%

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

Manufactured for:

Makhteshim Agan of North America, Inc. (d/b/a ADAMA)
3120 Highwoods Blvd., Suite 100
Raleigh, NC 27604

How can we help? 1-866-406- 6262

EPA Reg. No. 66222-262

EPA Est. No. XXXXXXXX

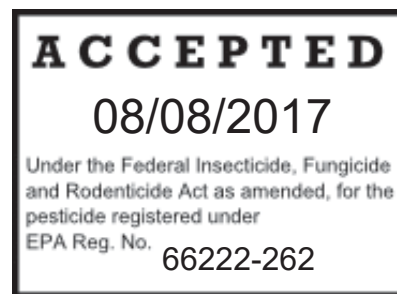
NET CONTENTS: _____ LB(S)

FIRST AID

IF SWALLOWED:	Immediately call a poison control center or doctor. Do not induce vomiting unless told to 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 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 IN EYES:	Hold eye 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 eye. 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, and then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Note to Physician: Vomiting may cause aspiration pneumonia. Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact Prozar at 1-877-250-9291 for emergency medical treatment information.

In case of spills, fire, leaks or accidents call 1-800-535-5053.



**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION**

Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category F on an EPA chemical-resistance category selection chart.

All mixers, loaders, other applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made out of barrier laminate or Viton \geq 14 mils
- Shoes plus socks

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS STATEMENTS

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

For tractor drawn spreaders user must wear a PF10 respirator.

USER SAFETY RECOMMENDATIONS

Users Should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing 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 pesticide is toxic to estuarine and marine invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash water. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

This chemical has properties and characteristics associated with chemicals detected in groundwater. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

PHYSICAL-CHEMICAL HAZARDS

Do not mix or allow coming in contact with oxidizing agent. Hazardous Chemical reaction may occur.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers can be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

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.

Exception: If the product is applied by drip or trickle irrigation, or broadcast or banded and covered with plastic mulch, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

USE RESTRICTIONS

Do not apply more than one application of fluensulfone containing pesticide per crop. Do not exceed 3.6 lbs fluensulfone per acre per calendar year.

Use **MCW-2 15G** in accordance with all label directions. **MCW-2 15G** should be used as part of an Integrated Pest Management (IPM) program to control nematodes. IPM programs using cultural practices, sanitation, planting of resistant varieties to reduce infestations caused by nematodes, scouting or other detection methods, proper pest identification and rotation of nematicides with different modes of action will help prevent economic pest damage. **MCW-2 15G** has shown excellent activity against the major genera of nematode. When used according to the directions **MCW-2 15G** can provide control. Performance may be reduced if used in muck soils.

RESISTANCE MANAGEMENT

The Mode of Action of **MCW-2 15G** has not yet been classified. Although resistance in nematode populations has not been proven, repeated exclusive use of any product may lead to a reduction in control due to enhanced biodegradation or other causes. Rotation with nematicides with a different mode of action is suggested. Contact your Cooperative Extension specialist, certified crop advisor and or product manufacturer for additional resistant management recommendations.

PRODUCT INFORMATION

MCW-2 15G can be used to control the following nematodes: root-knot (*Meloidogyne* spp.), potato cyst (*Globodera* spp.) sting* (*Belonolaimus* spp.), lance (*Hoplolaimus* spp.), stubby root (*Trichodorus* and *Paratrichodorus* spp.) and lesion (*Pratylenchus* spp.). A successful treatment with **MCW-2 15G** will not eradicate nematode populations and does not control bacteria, insects, viruses, weeds or pathogens which attack plants in treated areas. Consult your state Agricultural Experiment station, Extension service provider or supplemental product labels for additional information and control measures for these pests.

*Not for use on Sting nematodes in California.

Make soil applications only in accordance with directions and conditions of use described in this label. **MCW-2 15G** does not provide season long residual control of nematodes. Do not apply more than one application per crop, and no more than 3.6 lb fluensulfone per acre, per year (365 days).

The use of **MCW-2 15G** controls nematodes only when they are present at the time of application. It will not control pests introduced into the soil after treatment, does not provide season long control, and does not guarantee pest free crops at harvest. Effectiveness may be reduced if used in muck soils. Read and carefully follow the most restrictive labeling limitations and precautions of all products used in a tank mix.

At the time of application insure that **MCW-2 15G** is thoroughly incorporated into the soil. Soil moisture management can have an influence on product efficacy. Between application and planting insure soil moisture is adequate to dissolve granules.

ROTATIONAL CROPS*

Replant treated areas with any crop specified on a MCW-2 15G label or any crop for which a tolerance exists for the active ingredient as soon as practical following the last application. Do not rotate cereal crops after a crop treated with NIMITZ. For crops not listed on a NIMITZ label, or for crops for which no tolerances for the active ingredient have been established, a 365 day plant-back interval must be observed.

IMMEDIATE PLANT-BACK:

All crops on this label plus the following crops not on this label: Crop Groups 4, 8-10, 9: including cucumbers, melons (cantaloupes, watermelon, honeydew), squash, tomatoes, okra, eggplant and peppers (bell and non-bell), brassica crops (cabbage, broccoli, cauliflower), strawberry, tobacco, leafy vegetables, commercial turfgrass and sod farms.

*Plant cover crops for soil building or erosion control at any time.

Crop Group	Application Rate	Application Information
<p>ROOT VEGETABLES (EXCEPT SUGAR BEET) SUBGROUP 1B</p> <p>Carrot, Radish, Turnip and other root vegetables including:</p> <p>Beet, garden; burdock, edible; celeriac; chervil, turnip-rooted; chicory; ginseng; horseradish; parsley, turnip-rooted; parsnip; radish, oriental; rutabaga; salsify; salsify, black; salsify, Spanish; skirret;</p>	<p>12- 24 lb MCW-2 15G per acre</p> <p>(1.78-3.6 lb ai/ acre)</p>	<p>Application must be made 7 or more days before planting for seeded crops.</p> <p>Broadcast: When applying MCW-2 15G as a broadcast prior to bedding of soil, mix MCW-2 15G thoroughly with the top 4 to 6 inches of soil and apply an irrigation prior to planting sufficient to release MCW-2 15G active ingredient from granules.</p> <p>Banding: If MCW-2 15G is applied as a band to pre-bedded soil, incorporate and irrigate prior to planting to insure incorporation of the product to a depth of 4-6 inches.</p> <p>Poor incorporation of MCW-2 15G may result in delayed germination of seeded crops or potential stand reduction.</p> <p>Efficacy on muck or peat soil is not warranted by ADAMA until further research is conducted.</p>
<p>Restrictions:</p> <ul style="list-style-type: none"> • Do not use MCW-2 15G in-furrow at seeding. • Do not apply more than one application per crop, and no more than 3.6 lb fluensulfone per acre, per calendar year. 		

Crop Group	Application Rate	Application Information
<p>Tuberous and Corm Vegetables SUBGROUP 1C</p> <p>Potato, sweet potato, yam and other root vegetables including:</p> <p>arracacha; arrowroot; artichoke, Chinese; artichoke, Jerusalem; canna, edible; cassava, bitter and sweet; chayote (root); chufa; dasheen (taro); ginger; leren; tanier; turmeric; yam bean; yam, true</p>	<p>12- 24 lb MCW-2 15G per acre</p> <p>(1.78-3.6 lb ai/ acre)</p>	<p>Application can be made at planting or pre-planting.</p> <p>Incorporate MCW-2 15G ahead of seed-piece drop.</p> <p>Broadcast: When applying MCW-2 15G as a broadcast prior to bedding or hilling of soil, mix MCW-2 15G thoroughly with the top 4 to 6 inches of soil and ensure there is sufficient soil moisture to release MCW-2 15G active ingredient from granules. Irrigation may be necessary. Water quantities in Chart 1 (below) have been found to adequately move MCW-2 15G into the soil profile.</p> <p>Banding: If MCW-2 15G is applied as a band to pre-bedded soil, cultivate or irrigate prior to planting to insure incorporation of the product to a depth of 6-8 inches.</p>
<p>Restrictions:</p> <ul style="list-style-type: none"> Do not apply more than one application per crop, and no more than 3.6 lb fluensulfone per acre, per calendar year. 		

Based on soil type follow the irrigation guidelines necessary to incorporate. See chart below.

Chart 1.

Application type	Irrigation type	Soil % clay	Supplemental Irrigation #1	Supplemental Irrigation #2
			2 or more days after application	Additional 2 or more days after supplemental irrigation #1
Soil application (Pre-plant incorporated)	Overhead sprinkler	<5%	0.50'(acre inch)	
		5%-15%		0.50'
		>15%		0.50'
	Surface drip	<5%	5,000 gal	
		5%-15%	3,000 gal	3,000 gal
		>15%	3,500 gal	3,000 gal
	Buried drip	<5%	9,000 gal	
		5%-15%		4,500 gal
		>15%		4,500 gal
	Furrow irrigation	<5%		
		5%-15%	To 50% field moisture	
		>15%	To 50% field moisture	To 50% field moisture

Note: A PF10 respirator for operators of tractor-drawn spreaders is required.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Store in dry area. Do not store near other pesticides, or seeds.

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:

Nonrefillable Container (flexible-bag-all weights): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Then dispose of empty bag in a sanitary landfill or by incineration

Read the entire direction 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.

LIMITATIONS OF WARRANTY AND LIABILITY

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 risk 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 ADAMA, Inc. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, ADAMA, 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 ADAMA, 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, ADAMA, 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 ADAMA, Inc. election, the replacement of product.

To the extent consistent with applicable law, buyer and user assume all responsibilities for safety and use not in strict accordance with directions. [Optional statement to be used in place of WARRANTY STATEMENT]

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MCW-2 15G-66222-262-Master- 080317.Ver1