

# NIMITZ 480EC

Nematicide

For control of nematodes in carrots in Michigan.

**For Distribution and Use ONLY in the state of Michigan Under Section 18  
Emergency Exemption**

**These use directions must be in possession of the user at the time of pesticide application. It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read entire Directions for Use and Disclaimer of Warranties before using this product.**

**Any adverse effects resulting from the use of NIMITZ 480EC under this specific exemption must be immediately reported to the Michigan Department of Agriculture.**

**Effective Period: This label is effective 04/14/2015 and expires on 06/15/2015. Use outside of these dates is a violation of Federal law.**

<b>ACTIVE INGREDIENT:</b>	<b>% BY WT.</b>
Fluensulfone: 5-chloro-2 (3,4,4-trifluoro-but-3-ene-1-sulfonyl)-thiazole .....	40.0%
<b>OTHER INGREDIENTS*:</b> .....	60.0%
<b>TOTAL:</b>	100.0%

Contains 4 pounds fluensulfone per gallon in an Emulsifiable Concentrate formulation.  
\*Contains petroleum distillates

## 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

EPA Reg. No. 66222-243

EPA Est. No. XXXXXXXXXX

**NET CONTENTS: \_\_\_\_\_ GAL(S)**

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

FIRST AID	
<b>IF SWALLOWED:</b>	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
<b>IF ON SKIN OR CLOTHING:</b>	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.

<b>IF IN EYES:</b>	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.
<b>IF INHALED:</b>	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.
<b>Note to Physician:</b> Contains petroleum distillate. 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.	

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. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. 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, such as barrier laminate or Viton ≥ 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.

**USER SAFETY RECOMMENDATIONS**

**Users should:**

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if they become saturated and the pesticide contacts the body and if pesticide gets inside. Then bathe 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. For terrestrial uses: 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 or rinsate. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

**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.

The use of **NIMITZ 480EC** controls nematodes only when they are present at the time of application. It will not control pests introduced into the soil after the residual period, does not provide season long control, and does not guarantee pest free crops at harvest. Effectiveness will be reduced if used in muck or high clay content soils.

Read and carefully follow the most restrictive labeling limitations and precautions of all products used in a tank mix.

**Compatibility:**

Do not apply **NIMITZ 480EC** with any other product before testing for physical and chemical compatibility of the mixture. To determine compatibility, pour the required proportions of the product(s) into a suitable container. After mixing, wait for 30 minutes and check to see if the product remains mixed. If the product remains mixed, it is considered physically compatible.

**USE INFORMATION**

**NIMITZ® 480EC Nematicide** can be used to control root-knot (*Meloidogyne* spp.), potato cyst nematode (*Globodera* spp.) sting (*Belonolaimus* spp.), lance (*Hoplolaimus* spp.), needle nematode (*Longidorus africanus*) stubby root (*Trichodorus* and *Paratrichodorus* spp.) and lesion nematodes (*Pratylenchus* spp.). A successful treatment with **NIMITZ® 480EC Nematicide** will not eradicate nematode populations and does not control bacteria, insects, viruses, weeds or pathogens which attack plants in treated areas.

**BROADCAST APPLICATION**

Apply at labeled rate 14 days before seeding. It is necessary to irrigate 2-5 days after application with the quantity of water recommended in Chart 1. Following planting, resume normal irrigation practices.

Rates are not to be concentrated in the beds, instead, they are to be applied based on percent of the treated acre. Calculate the ratio of bed width divided by broadcast width and multiply that percentage by the desired label rate to calculate the spray mix rate.

**Table 1: Application Rate Calculation For Broadcast Application**

Pints per acre	Ounces of NIMITZ 480EC per planted acre	Pounds active ingredient per acre
3.5	56 fl. oz./ Treated Acre	1.75 lbs. a.i./A
5	80 fl. oz./ Treated Acre	2.5 lbs. a.i./A

**BAND APPLICATION**

Table 2 may be used to determine the amount of product required based on bed width, length and use rate. Apply the spray mixture across the band and uniformly incorporate to 6-8 inches avoiding dilution outside the band, a minimum of 7 days before planting. It is recommended to irrigate after application with the timing and water quantity recommended in Chart 1. Following planting, resume normal irrigation practices. Rates are not to be concentrated in the row, instead, they are to be applied based on the treated acre (The acre within the band).

**Table 2: Application Rate Calculation For Band Application or Drip Irrigation based on 1000 feet of bed:**

Bed Width (Inches)	Linear feet of bed in one treated acre	Fluid ounces of NIMITZ per 1,000 feet of bed	
		56 fl. oz./Treated Acre (3.5 pints)	80 fl. oz./ Treated Acre (5 pints)
12	43,560	1.2 oz	1.8 oz
18	29,040	1.9 oz	2.7 oz
24	21,780	2.5 oz	3.7 oz
30	17,424	3.2 oz	4.6 oz
36	14,250	3.9 oz	5.6 oz
48	10,890	5.1 oz	7.4 oz
60	8,712	6.3 oz	9.2 oz
72	7,260	7.6 oz	11.1 oz

**DRIP IRRIGATION**

**Chemigation application: NIMITZ 480EC** can be applied through low volume (ground or underground) drip, drip tape or strip tubing. **Do not apply this product through any other type of irrigation system.**

Crop Group	Rate	Application Information
<p><b>Carrot</b></p>	<p>3.5 to 5.0 pints NIMITZ 480EC treated acre</p> <p>(56 to 112 fl. oz./treated acre)</p> <p>Treated acre is the final bed acre. Apply NIMITZ 480EC may be applied broadcast at the proportionally lower rate which will result in the correct rate in the bed after they are formed.</p>	<p>Application is to be made 14 or more days before planting. Do not use NIMITZ in-furrow at planting.</p> <p><b>Direct seeding:</b> apply NIMITZ a minimum of 14 days before seeding and make 2 supplemental irrigations prior to planting as per Chart 1.</p> <p>Apply NIMITZ as a broadcast or band treatment. Mix NIMITZ 15G thoroughly with the top 4 to 6 inches of soil and apply an irrigation prior to seeding sufficient to move NIMITZ active ingredient into the soil profile.</p> <p>When applying NIMITZ as a broadcast prior to bedding of soil, adjust the application rate so that the final treated or bedded acre receives the 3.5 or 5.0 pint rate.</p> <p>Only crops on the NIMITZ 480EC label may be planted in the 365 days following NIMITZ application.</p> <p>Poor incorporation of NIMITZ will result in poor germination of carrot seed and stand loss.</p> <p><b>Not effective on muck soils.</b></p>

Chart 1. **SUPPLEMENTAL IRRIGATION:** Additional irrigation to be applied prior to seeding to move NIMITZ sufficiently into the soil profile for efficacy and crop safety.

Application type	Irrigation type	Suggested application water volume	Soil clay* %	Supplimental Irrigation #1	Supplimental Irrigation #2	Supplimental Irrigation #3	
				2 or more days after application*	Additional 2 or more days after supplemental irrigation #1 *	Additional 2 or more days after supplemental irrigation #2 *	
Soil application (Pre-plant incorporated)	Overhead sprinkler	Min. 20 GPA	<5%	0.50'(acre inch)			
			5%-15%		0.50'		
			>15%		0.50'		
	Surface drip	Min. 20 GPA	<5%	5,000 gal			
			5%-15%	3,000 gal	3,000 gal		
			>15%	3,500 gal	3,000 gal		
		Buried drip*** (Typically 6 to 14')	Min. 20 GPA	<5%	9,000 gal		
				5%-15%		4,500 gal	
				>15%		4,500 gal	
Drip application	Surface drip**	4K to 5K gal	<5%	4,000 gal			
			5%-15%		4,000 gal		
			>15%		3,500 gal		
Buried drip	Buried drip***	4K to 5K gal	<5%	4,000 gal			
			5%-15%	9,000 gal	9,000 gal		
			>15%	9,000 gal	4,000 gal	4,500 gal	

## STORAGE AND DISPOSAL

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

### PESTICIDE STORAGE:

Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food and feed. Store in original container and out of reach of children, preferably in a locked storage area.

Do not store above 100°F for extended periods of time. Storage below 20°F can result in formation of crystals. If product crystallizes, store at 50°F to 70°F and agitate to redissolve crystals. If container is damaged or spill occurs, use product immediately or dispose of product and damaged container as indicated below.

## 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 ADAMA. All such risks shall be assumed by the user or buyer.

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

Nimitz™ is a registered trademark of ADAMA.

**NIMITZ 480EC Michigan Carrot Section 18**