Zebra Mussel Minimum Risk Pesticide™

Formulation

ZebraCide®-CGA

No Federal Pesticide Registration Per "Codes of Federal Regulations", 40 CFR 152.25(f)

Purpose

Eliminate Zebra Mussels by Stimulating Filtration in Order to Block Digestion

ACTIVE INGREDIENT:	OTHER INGREDIENT:	TOTAL INGREDIENTS
Corn Gluten Meal.....7%	Dehydrated Alfalfa.....93%	100%

DIRECTIONS FOR NON-FLOWING, OPEN WATER BODIES CONTAIN AQUATIC LIFE

DEFINITION OF "NON-FLOWING, OPEN WATER BODIES CONTAINING AQUATIC LIFE" are areas where other aquatic life (e.g. zooplankton, fish, snails, insects & plants) is to be preserved in lakes, ponds, rivers and containments, while treating zebra mussel infestations. Water movement should be minimal to sustain concentration, no wind, boating activity or flowing water.

DO NOT TREAT AREAS THAT EXCEED 15 ug/L CHLOROPHYLL a Initially (Oligotrophic, water is usually clear when no disturbances are occurring, such as boating, wind or water flow.). DO NOT EXCEED A MESOTROPHIC CONDITIONS, 26 ug/L CHLOROPHYLL a, While Treating (Upper limit mesotrophic conditions is when the water is a cloudy greenish or brown color.)

STEP 1: Add four (4) pound of Zebra Mussel Minimum Risk Pesticide™ for approximately every 6,000 gallons of water. After an hour check and record Chlorophyll a value if below 16 ug/L add two (2) Pounds of Zebra Mussel Minimum Risk Pesticide for every 6,000 gallons of water, repeat hourly monitoring and adding additional material until Chlorophyll a value is between 16 ug/L to 26 ug/L. (6,000 gallons, is 8 ft. from shore, downward 45° to a depth of 4 ft. deep x 50 ft shore line, 3.5 oz every 3-feet.)
Zebra Mussel Minimum Risk Pesticide May Be Applied Dry or Mixed with Water.

STEP 2: Monitor hourly until Chlorophyll ug/L readings are stable. If higher concentration is needed, add four (4) pounds of Zebra Mussel Minimum Risk Pesticide™ for every 6,000 gallons of water. Continue monitoring a minimum of every six (6) hours, adding additional Zebra Mussel Minimum Risk Pesticide™ at the rate of four (4) pounds per 6,000 gallons as needed to maintain Chlorophyll a between 16 ug/L - 26 ug/L, as indicated by a fluorometer or seechi disk. Record of readings are required to be kept for 3 years, to include: Starting readings, Monitored Readings, Time, Date and Amount Added.
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STEP 3: Success of Zebra Mussel Death is Determined by Tapping, if the Zebra Mussel Does Not Close Treatment Has Been Successful. Maintain 16 ug/L - 25 ug/L For at Least 3 days or 24 hours after Zebra Mussel No Longer React to Tapping. Do Not Treat for More Than 10 Days.

DIRECTION FOR FLOWING, OPEN WATER BODIES CONTAINING AQUATIC LIFE. Maintain Chlorophyll a reading between 16 ug/L to 26 ug/L, by Calculating Flow Rate To Determine Amount Of Zebra Mussel Minimum Risk Pesticide, Per Gallon-Per Minute Flow Rate.

DIRECTIONS FOR CLOSED CELL WATER BODIES WITHOUT AQUATIC LIFE, THREE (3) HOURS TREATMENT PLAN

Closed cells, 3-hour treatments, are areas where aquatic life is not sustained because of the water going through a process of mechanical or chemical activities. Water movement must be provided.

STEP 1: Add two (2) pounds of Zebra Mussel Minimum Risk Pesticide™ for every 70 gallons of water, slowly circulate water, continuously, to provide even distribution for three (3) hours. For larger quantities of water to be treated add twenty-nine (29) pounds per 1,000 gallons being treated.

Zebra Mussel Minimum Risk Pesticide™ May Be Applied Dry or Mixed with Water.

STEP 2: Filter out solids and dispose, before releasing water into the environment.

DIRECTIONS FOR CLOSED CELL WATER BODIES WITHOUT AQUATIC LIFE, EIGHT (8) HOURS TREATMENT PLAN

Closed cells, 8-hour treatments, are areas where aquatic life is not sustained because of the water going through a process of mechanical or chemical activities. Water movement must be provided.

STEP 1: Add two (2) pounds of Zebra Mussel Minimum Risk Pesticide™ for every 70 gallons of water, slowly circulate water, continuously, to provide even distribution for eight (8) hours. For larger quantities of water to be treated add seventeen (17) pounds per 1,000 gallons being treated.

Zebra Mussel Minimum Risk Pesticide™ May Be Applied Dry or Mixed with Water.

STEP 2: Filter out solids and dispose, before releasing water into the environment.

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ADDITIONAL CONSIDERATION:

- For best results, use when water temperature is above 65 F degrees. Monitoring concentration frequency is determined by the applicator, based on weather conditions temperature, temperature fluctuations, values before treating, water movement due to current, wind, watercraft and much more. Record all variable include date/time, concentrations and invoice number to monitor@ZebraCide.com, for warranty purposes.
- Determine Natural Nephelometric Turbidity Units (NTU), Obtain History Prior to Zebra Mussel Infestation, Do Not Increase More Than 10 to 15 NTU Over Natural NTU When Treating Open Cells. Always consult governing authority for all bodies of water (including run off) prior to use.

PRECAUTIONARY STATEMENTS:

Wear Eye Protection When Handling: If in Eyes Rinse Cautiously with Water for Several Minutes. Remove Contact Lenses, if Present and Easy to Do. Continue Rinsing, If Eye Irritation Persists: Get Medical Advice/Attention. Wash Hands Thoroughly After Handling.

HAZARD STATEMENTS:

Causes Eye Irritation

May Form Combustible Dust Concentrations in Air

APPLICATION CAUTION NOTES:

Never Add Zebra Mussel Minimum Risk Pesticide™ to Exceed Mesotrophic Trophication Levels.

To Reduce Trophication Levels, Contact A Lake Management Company to Consider Flocculent Options.

Water Conditions (Trophication) An Indicator or Available Nutrients	Chlorophyll a Concentration Ranges (ug/L) Using Fluorometer (https://turnerdesigns.com)	Considering All Trophic Elements Maintain Secchi Depth Greater Than Six Feet	Brief Description of Aquatic Environment
Oligotrophic	Less than 8	> 12 Feet (clear)	Nutrient Deficient
Oligo-Mesotrophic	-----	-----	
Mesotrohic	8 to 25	6-12 Feet (cloudy)	Intermediate Nutrients
Eutrophic	26 to 75	1.5-6 Feet (Low Visibility)	Excessive Nitrogen, Phosphorus > Algae Blooms
Hyper-Eutrophic	Over 75	<1.5 Feet (Limited Visibility)	

JURISDICTIONS:

40 CFR 152.25(f) Minimum Risk Pesticide Products Are Controlled by Individual State Regulations and Laws.

40 CFR 152.25(f) Minimum Risk Pesticide Products Are Exempt from Environmental Protection Agency Registration.

40 CFR 152.25(f)(1) States; Exempted products. Products containing the active ingredients, listed in 40 CFR 152.25(f)(1), alone or in combination with other substances identified as permitted inert ingredients listed 40 CFR 153.25(f)(2), are **exempt from the requirements of FIFRA** provided that all of the criteria of 40 CFR 152.25(f) are met.

The Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) gives EPA the authority to regulate the registration, distribution, sale and use of pesticides, but not Minimum Risk Pesticides.

40 CFR 152.25(f)(4) Providing guidance. Guidance on minimum risk pesticides is available at **http://www2.epa.gov/minimum-risk-pesticides** or successor Web pages.

MANUFACTURED FOR: Natural Environmental Solutions, Inc., 501 Parma Way, P.O. Box 128, Gardner, KS 66030

CONTACT: Phone: (417) 597-5134 or Contact@ZebraCide.com

U. S. Patent Number 10,863,747 & Patent Pending

Net Weight: 2.26kg (80 OZ) 5 Pounds

ZebraCide.com

Label Revision: 7/11/2022