

MATRAN® EC

NON-SELECTIVE, POST EMERGENCE HERBICIDE FOR AGRICULTURE, FRUITS,
NUTS & VEGETABLE CROPS

HERBICIDE



- **EMULSIFIABLE CONCENTRATE**
- **NO REENTRY INTERVAL**

Ingredients in this product meet the requirements of the USDA National Organic Program

Active Ingredients:

Clove Leaf Oil.....	50.00%
Other Ingredients*	50.00%
Total 100.00%	

*Wintergreen Oil, Butyl Lactate, and Lecithin

KEEP OUT OF REACH OF CHILDREN CAUTION – PRECAUTION

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.) See booklet for additional precautionary statements.

Use only according to label instructions. Read the entire label before using this product.

This product has not been registered by the US Environmental Protection Agency. EcoSMART represents that this product qualifies for exemption from registration under the Federal Insecticide, Fungicide, and Rodenticide Act.

First Aid

IF IN EYES: Flush with water for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a physician if irritation persists.

IF ON SKIN: Wash exposed area with plenty of soap and water for at least 15 minutes. Remove contaminated clothing. Get medical attention if irritation persists.

IF INHALED: Remove person to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

IF SWALLOWED: Rinse mouth out with water. Call a doctor or get medical attention as soon as possible. Do not induce vomiting. Do not give anything by mouth to an unconscious person. Avoid alcohol.

Chemical Safety Information: Call 1-800-535-5053 Anytime (InfoTrac Chemical Response System).



EcoSMART
Technologies, Inc.

NET CONTENTS:
2.5 GALLONS

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Avoid contact with eyes, skin, and clothing. Avoid breathing vapors or spray mist. Harmful if swallowed. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Persons applying this product should wear:

- Long sleeve shirts and long pants, shoes and socks
- Protective eyewear
- Chemical resistant gloves made of neoprene, nitrile or natural rubber.

User Safety Recommendations

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing immediately if the product gets inside. Wash thoroughly and put on clean clothing. Remove PPE after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothes.

Physical or Chemical Hazards

Do not use, pour, spill or store near heat or open flames. Store only in original container.

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 also contains specific instructions and exceptions pertaining to statements on this label about personal protective equipment (PPE). The requirements of this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not reenter field until residue is dry.

PPE required for early entry to treated areas that are permitted under the Worker Protection Standard and involves contact with anything treated such as plants or soil is: Long sleeved shirt, long pants, shoes and socks, chemical resistant gloves.

DIRECTIONS FOR USE:

SHAKE WELL BEFORE USING.

MATRAN® EC is intended for non-selective weed control in and around all crop areas. Only protected handlers may be in the application area. Do not apply this product in a way that will contact workers or other persons either directly or through drift. To prevent crop damage, apply MATRAN® EC directly on weeds.

General Information

MATRAN® EC is a contact, non-selective, broad spectrum, foliar herbicide. This product will only control actively growing emerged green vegetation. It controls both annual and perennial broadleaf and grassy weeds. The degree of control is less when the plants are inactive, mature or biennial/perennial types. The product does not translocate. It will affect only those portions of plants that are coated with the spray solution. MATRAN® EC may **DAMAGE CROPS**; therefore directed spray on weeds or application with hooded spray equipment is recommended to prevent the spray from contacting crop.

Coverage is very important. The better the foliar coverage, the better the product will perform. Do not allow spray solution to drip, splash or drift onto desirable vegetation.

The product is most effective on weeds less than six inches in height. Multiple applications may be necessary for effective control of larger weeds.

Leaf damage should be visible on most weeds within hours of application. Cool weather may slow the activity of this product and delay or reduce effects.

Repeat treatments will be necessary for new plants emerging from seed or re-growth of treated vegetation.

USE OF AN ADJUVANT (SPREADER AND/OR PENETRANT) SIGNIFICANTLY ENHANCES PRODUCT PERFORMANCE.

Mixing and Application Instructions

SHAKE WELL BEFORE USING.

Fill the spray tank 1/2 full and start the recirculation or agitation system. Add adjuvant at label rate followed by Citric Acid or Sulfur to the water in the tank before adding MATRAN® EC. Add the desired amount of MATRAN® EC and the remaining amount of water and allow to mix thoroughly. Apply spray solution within four hours of mixing.

Apply spray solution in properly maintained and calibrated equipment capable of delivering the desired volumes. Always clean tank, pump and lines thoroughly with water and soap after each use.

Storage and Disposal

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

Storage: Keep container tightly closed when not in use. Store only in the original container in a cool dry place away from children and pets.

Container Disposal: Do not reuse empty container. Triple rinse empty container then puncture and dispose of container in a sanitary landfill, or incinerator, or if allowed by state and local regulations, by burning. If burned, stay out of smoke. Triple rinsed containers may be offered for recycling.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on-site or at an appropriate waste disposal facility.

Application & Mixing Rates

Application Rates (Dilution Rate)	Gallons of Matran® EC in Water Spray to Achieve the Desired Application Rate		
	25 Gallons Water Spray	50 Gallons Water Spray	100 Gallons Water Spray
5%	1.25	2.50	5.00
6%	1.50	3.00	6.00
7%	1.75	3.50	7.00
8%	2.00	4.00	8.00

Broadleaves & Grasses Application Rates

Weed Size & Environmental Conditions	Recommended Rates	
	Broadleaves	Grasses
Optimum Conditions: <ul style="list-style-type: none"> • Weed growth less than 6" • Temperature above 60°F • Sunny Days 	5% Dilution Rate	5% Dilution Rate
Suboptimum Conditions: <ul style="list-style-type: none"> • Weed growth greater than 6" • Temperature below 60°F • Cloudy Days 	7% Dilution Rate	8% Dilution Rate
<p>Complete foliage coverage is essential to achieve control.</p> <p>Use of spreader and/or penetrant adjuvant such as BioLink® at 1 pint/acre, plus Citric Acid at 5 lbs./acre rate or Sulfur (dry flowable or micronized wettable) at 10 lbs./acre significantly enhances product performance.</p>		

LIMIT OF WARRANTY AND LIABILITY:

EcoSMART warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes set forth in the Complete Directions for Use ("Directions") when used in accordance with those Directions under the conditions described therein. NO OTHER EXPRESS WARRANTY OR IMPLIED WARRANTY OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY IS MADE. This warranty is also subject to the conditions and limitations stated herein. Buyer and all users shall promptly notify this Company of any claims whether based in contract, negligence, strict liability, other tort or otherwise. Buyer and all users are responsible for all loss or damage from use or handling which results from conditions beyond the control of EcoSMART including, but not limited to, incompatibility with other products other than those set forth in Directions, unusual weather, weather conditions which are outside the range considered normal at the application site and for the time periods when the product is applied, as well as weather conditions which are outside the application ranges set forth in the Directions, application in any manner not explicitly set forth in the Directions, moisture conditions outside the moisture range specified in Directions, or the presence of products other than those set forth in the Directions in or on the soil, crop, or treated vegetation.

THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE LIMIT OF THE LIABILITY OF ECOSMART OR ANY OTHER SELLER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR

HANDLING OF THIS PRODUCT (INCLUDING CLAIMS BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY, OTHER TORT OR OTHERWISE) SHALL BE THE PURCHASE PRICE PAID BY THE USER OR BUYER FOR THE QUANTITY OF THIS PRODUCT INVOLVED, OR, AT THE ELECTION OF ECOSMART OR SELLER, THE REPLACEMENT OF SUCH QUANTITY OR IF NOT ACQUIRED BY PURCHASE, REPLACEMENT OF SUCH QUANTITY. IN NO EVENT SHALL ECOSMART OR ANY OTHER SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES.

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