

Non-Selective, Post Emergent Herbicide

# Matratec®

**KEEP OUT OF  
REACH OF CHILDREN  
CAUTION**

See enclosed booklet for complete Precautionary  
Statements and Directions For Use.

Active Ingredients  
Clove Oil ..... 50.00%  
Other Ingredients\* ..... 50.00%

Total ..... 100.00%

\* Wintergreen Oil, Lactic acid,  
n-butyl ester and Lecithin.

**OMRI**<sup>®</sup>  
L i s t e d

FIFRA 25(b) Exempt Pesticide: This product has not been registered by the United States Environmental Protection Agency. Brandt Consolidated, Inc., represents that it is exempt from registration under the Federal Insecticide, Fungicide and Rodenticide Act [FIFRA 25(b)] as a minimum risk pesticide. All ingredients contained in this formulation are contained in 40 CFR 152.25, as well as list 4A of the Federal Register.

**NET CONTENTS: 2.5 GAL PER BOTTLE. PACKED 2 X 2.5 GAL**



1027-01-100

Manufactured for:  
**Brandt Consolidated, Inc.**  
2935 South Koke Mill Road  
Springfield, Illinois 62711 USA

**BRANDT**

# 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).

### 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 OR CLOTHING:** 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 SWALLOWED:** Rinse mouth out with water. Seek medical attention if feeling sick or nauseous.

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Avoid contact with eyes, skin, and clothing. Avoid breathing vapors or spray mist. May be 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, and 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.

### ENVIRONMENTAL HAZARDS

This product is not toxic to wildlife and possesses minimum risk to fish and aquatic organisms. Avoid direct contact to water. This product may be toxic to bees so avoid application when bees are actively foraging.

### PHYSICAL OR CHEMICAL HAZARDS

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

## GENERAL INFORMATION

MATRATEC 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 in-

active, 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. MATRATEC may DAMAGE CROPS; therefore directed spray on weeds or application with hooded spray equipment is recommended to prevent the spray from contacting crop.

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.

THE USE OF ADJUVANTS (SEE APPLICATION INSTRUCTIONS) IS HIGHLY RECOMMENDED FOR IMPROVING PERFORMANCE.

## DIRECTIONS FOR USE

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

**SHAKE WELL BEFORE USING.** MATRATEC 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 MATRATEC directly on weeds.

### 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.

### NO REENTRY INTERVAL AND NO PREHARVEST INTERVAL.

PPE required for early entry to treated areas that is 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.

### NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are not within the scope of the WORKER Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses. Keep unprotected persons out of treated areas until sprays have dried. Wear protective clothing when using or handling this product to help avoid exposure to eyes and skin. Eye protection, gloves, a long-sleeved shirt, and long-pants are recommended. Allow spray to dry before allowing adults, children, or pets on treated areas.

## APPLICATION AND MIXING RATES

APPLICATION RATES (DILUTION RATE)	GALLONS OF MATRATEC IN WATER SPRAY TO ACHIEVE THE DESIRED APPLICATION RATE		
	25 GALLONS WATER	50 GALLONS WATER	100 GALLONS WATER
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
9%	2.25	4.50	9.00
10%	2.50	5.00	10.00

## BROADLEAVES AND GRASSES APPLICATION RATES

WEED SIZE AND ENVIRONMENTAL CONDITIONS	RECOMMENDED RATES	
<b>Optimum Conditions:</b> Weed growth less than 6 inches, temperatures above 60 F, sunny days	<b>Broadleaves</b> 5% Dilution Rate	<b>Grasses</b> 5% Dilution Rate
<b>Suboptimum Conditions:</b> Weed growth greater than 6 inches, temperatures below 60 F, cloudy days	<b>Broadleaves</b> 7% Dilution Rate	<b>Grasses</b> 8% Dilution Rate

Complete foliage coverage is essential to achieve control. The foliage should be completely WET, but avoid runoff. Use of adjuvants as described in Application Instructions is highly recommended.

### Crop Use Applications

*Crops including but not limited to:*

**Legume & Fruiting Vegetables:** Beans, Eggplants, Lentils, Peas, Peanuts, Peppers, Tomatoes

**Bulb, Cole & Leafy Vegetables:** Broccoli, Cabbage, Cauliflower, Celery, Garlic, Lettuce, Onion, Squash

**Cucurbits:** Cantaloupes, Cucumbers, Melons, Squashes, Watermelon  
**Root & Tuber Vegetables:** Carrots, Potatoes, Radishes, Sweet Potatoes, Turnips

**Small Fruits & Berries:** Blackberries, Blueberries, Cranberries, Raspberries, Strawberries

**Citrus, Sub Tropicals, Pome, & Stone Fruits:** Apples, Apricot, Avocados, Bananas, Cherries, Grapefruits, Lemons, Mangoes, Nectarines, Olives, Oranges, Papayas, Peaches, Persimmons, Plantains, Pomegranates, Pears, Plums, Prunes

**Grapes & Hops**

**Nuts:** Almonds, Cashews, Pecans, Pistachios, Walnuts

**Field Crops:** Corn, Cotton, Sorghum, Soybeans, Sweet Corn, Tobacco

### Application Instructions

**Coverage:** 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.

**Agitation/Mixing:** Aggressively mix or agitate upon addition of MATRATEC. Strong initial agitation is important to activate the lecithin based dispersion. Constant agitation is recommended throughout the spraying process when possible.

**Adjuvant Use:** Addition of **wetter/spreader adjuvants** at labeled rates may improve coverage and penetration and may result in better efficacy. Addition of **water conditioning and acidifying adjuvants** may significantly improve performance of MATRATEC. Alkaline and hard water are antagonistic to MATRATEC. Acidifiers include but are not limited to: Acetic Acid, Citric Acid, Sulfur and other Organic approved acidifiers. Water conditioning agents include but are not limited to: Sulfur (for calcium), Citric Acid and other Organic approved water conditioners.

### Mixing Instructions

**SHAKE WELL BEFORE USING.** Fill the spray tank 1/2 full and start the recirculation or agitation system. Add adjuvants at label rate before adding MATRATEC. Add the desired amount of MATRATEC and the remaining amount of water and mix thoroughly and aggressively. Apply spray solution within four hours of mixing, continued agitation throughout the spraying process is recommended. 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.

In areas with hard water (water with a total hardness of greater than 200 ppm), it is recommended that completely fill tank with water first and then add a water softener, mix thoroughly, add the appropriate quantity of SPORATEC, and mix thoroughly. It is critical that the water softener be added to the entire quantity of water and mixed thoroughly before introducing the SPORATEC to achieve maximum emulsion.

## APPLICATION SITES AND APPLICATION INSTRUCTIONS

USE SITES	USES	APPLICATION RATE*
Turf and Lawns	General weed control for site preparation before installing sod or planting turf.	4% - 6% spray dilution
Turf and Lawns	For broadcast control, only in established turf.	2% - 4% spray dilution
Flowers, Dormant Gardens, Bedding and Ornamental Landscape Plants	General weed control for site preparation before planting ornamentals; trimming and edging around sidewalks, driveways, trees, shrubs, flowerbeds, etc; control of undesirable vegetation in established plantings or before planting.	4% - 10% spray dilution
Trees and Shrubs	General weed control for site preparation; control of undesirable vegetation in established planting.	4% - 10% spray dilution
Home Greenhouses & Indoor	General weed control in and around home greenhouses and interior plantscapes; weed control under home greenhouses, tables and benches.	4% - 10% spray dilution
Homestead, Fallow Land, Storage Areas, Paved Areas, Rights-of-way, Walks, Buildings	Control of unwanted vegetation in and around structures, buildings, walkways, benches, decks, floors roofs, walks, etc.	4% - 10% spray dilution
Dry Aquatic Sites: Ditches, Canals, Canal Banks	Applications must be made 72 hours prior to reflooding of dry aquatic sites. General weed control.	4% - 10% spray dilution

\* Lower rates are recommended for weeds less than 4 inches in height, sunny days, and temperatures above 60° F. Higher rates are recommended for weeds greater than 4 inches in height, cloudy days and temperatures below 60° F. Complete foliage coverage is essential to achieve control. Use of spreader and/or penetrant adjuvant, plus phosphoric acid at 5 fl. oz./1000 sq. ft. or citric acid at 2 oz./1000 sq. ft. significantly enhances product performance.

### 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. Keep from freezing.

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

**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.

### Warranty

Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use; but neither this warranty nor any other warranty of merchantability or fitness of a particular product expressed or implied extends to the use of this product contrary to label conditions, or under conditions not reasonably foreseeable to the seller, and buyer assumes the risk of any such use.