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**ACCEPTED**  
JAN - 7 1997  
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 51517-3

SOIL

# TRIGGRR

Plant Growth Regulator  
to increase Yields

Keep Out of Reach of Children

**CAUTION**

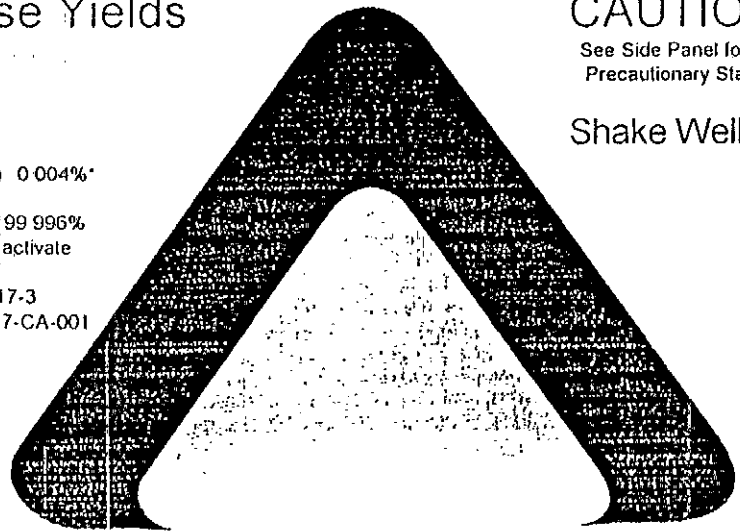
See Side Panel for  
Precautionary Statements

Shake Well Before Using

Active Ingredient:  
Cytokinin (as kinetin) 0.004%\*

Inert Ingredients: 99.996%  
\*Based on biological activate

EPA REG. NO. 51517-3  
EPA EST. NO. 51517-CA-001



Soil TRIGGRR is a plant growth regulator which stimulates plant growth and development:

- Increases yields
- Improves seedling vigor
- Improves root development
- Increases resistance to environmental stress

**STATEMENT OF PRACTICAL TREATMENT**  
**IF INHALED:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.  
**IF IN EYES:** Flush eyes with plenty of water. Call a physician if irritation persists.  
**IF SWALLOWED:** Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.  
**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritation persists.

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS & DOMESTIC ANIMALS**  
**CAUTION:** Harmful if inhaled or absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and wash after handling. Remove contaminated clothing and wash clothing before reuse. Applicators and other handlers must wear:

- Long sleeved shirt and long pants
- Shoes plus socks

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 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**  
Do not apply directly to water, or to areas where surface water is present or to wetland areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment wastewaters. Exposed treated seed may be hazardous to birds and other wildlife.  
Do not use treated seed for food, feed or oil purposes. Treat only those seeds needed for immediate use and planting. Do not store excess treated seed beyond planting time. Dispose of all excess treated seed and seed packaging by burial away from streams and bodies of water.

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### DIRECTIONS FOR USE

Refer to supplemental labeling entitled "Soil TRIGGRR Application Guide" for use directions. Do not apply this product unless the supplemental labeling is followed. Chemigation: Refer to supplemental labeling entitled "Soil TRIGGRR Application Guide" for use directions for chemigation. Do not apply this product through any irrigation system unless the supplemental labeling on chemigation is followed.

### COMPATIBILITY

Soil TRIGGRR can be tank mixed with herbicides, insecticides, fungicides, and liquid fertilizers or impregnated in dry fertilizers. See "Soil TRIGGRR Application Guide" for mixing instructions and compatibility test recommendations.

### STORAGE AND DISPOSAL

**STORAGE:** Soil TRIGGRR should be stored in a cool place out of reach of direct sunlight.

**DISPOSAL:** Do not contaminate water, food or feed by storage or disposal. Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility. Triple rinse (or equivalent) plastic containers. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

### NOTICE OF WARRANTY

Westbridge warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use. 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 Westbridge. In no case shall Westbridge be liable for consequential, special or indirect damages resulting from the use or handling of this product. Westbridge makes no warranties or merchantability or fitness for a particular purpose nor any other expressed or implied warranty except as stated above.

NET VOLUME: 1 U.S. Gallon

NET WEIGHT: 8.49 lbs

LOT NO.

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### DIRECTIONS FOR USE

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

### AGRICULTURAL USE REQUIREMENTS

For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulations.

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). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

**EXCEPTION:** If the product is soil-injected or soil-incorporated, 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. PPE required for early entry to treated areas that is permitted under the Worker Protection standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Waterproof gloves
- Shoes plus socks

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In cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlock controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (i.e., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

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any other type of irrigation system. Crop injury, lack of effectiveness or illegal pesticide residue in the crop can result from non-uniform distribution of treated water.

SOIL  
**TRIGGRR**<sup>®</sup>  
Plant Growth Regulator to Increase Yields

EPA Reg. No. 51517-3

**FOR USE ON:**

**FIELD CROPS**

Alfalfa, Corn (includes Popcorn), Cotton, Peanuts, Soybeans, Wheat.

**FRUITS**

Apples, Bananas, Grapes, Oranges, Peaches, Plantains, Strawberries.

**VEGETABLES**

Beans (also includes Black-eyed Peas, Caljang, Chick Peas, Cowpeas, Crowder Peas, Garbanzo Beans, Southern Peas), Broccoli, Cabbage, Carrots, Cauliflower, Celery, Corn (Sweet), Cucumber, Eggplant, Garlic, Leeks, Lettuce, Melons, Okra, Onions, Peas, Peppers, Potatoes, Pumpkins, Radishes, Shallots, Spinach, Squash, Sweet Potatoes, Tomatoes, Yams.

\*Fresh leaves and stalks only.

**NON-FOOD CROPS**

Ornamentals, Trees, Turf.

Distributor:

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Recommended Crops  
Soil TRIGGRR is recommended for use on

SOIL  
**TRIGGRR**<sup>®</sup>  
Plant Growth Regulator to Increase Yields

PENDING  
FINAL  
REVIEW



**APPLICATION GUIDE**

**General Information**

Soil TRIGGRR is a plant growth regulator for use on agronomic and horticultural crops. Applied as a supplement to a cultural program at specific stages of plant development, Soil TRIGGRR improves seedling vigor, crop quality, uniformity and growth. Use Soil TRIGGRR to:

- Improve germination and growth of small seeded crops (for example, alfalfa, direct seeded onion, carrots and cucumbers); or, promote improved root growth and nodulation in legumes.
- Promote early seedling vigor and the ability of a plant (for example, bell peppers and tomatoes) to set and carry a crop to maturity.
- Improve lateral tuberous root growth (sweet potatoes), initiation, growth and maturity of tubers and ornamental bulb production providing a more uniform crop, increased specific gravity (potatoes) and numbers of fruit.
- Promote rooting and growth of ornamental varieties from slips or cuttings.

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**TRIGGRR**  
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**Recommended Crops**  
**Soil TRIGGRR is recommended**  
**for use on**  
**Field and Non-Food Crops -**  
**Fruits and Vegetables**

**MIXING INSTRUCTIONS**

Soil TRIGGRR is water soluble and suitable for use in conventional liquid application systems. Shake Soil TRIGGRR thoroughly and dilute in sufficient water to assure adequate and even coverage. Alkaline dilution water (pH greater than 7) should be adjusted to pH 6 prior to the addition of Soil TRIGGRR. Agitate the tank mixture during application and use within 12 hours after dilution. For best results use Soil TRIGGRR with a full fertilization program.

**Compatibility:**

Soil TRIGGRR should be applied at the end of the water application. Soil TRIGGRR should be applied in sufficient water to penetrate into the root zone without excessive leaching into deeper soil. Soil TRIGGRR can be tank mixed with herbicides, insecticides, fungicides, nematocides and fertilizers or impregnated on granular fertilizers. Soil TRIGGRR should be added last to spray tank mixes containing other fully diluted chemicals. Test the compatibility of the intended tank mixture before use. For use with fertilizers containing a high phosphorus analysis, add one gallon of water to the spray tank for each three gallons of fertilizer, and add a buffer/compatibility agent, prior to adding Soil TRIGGRR. The following procedures may be helpful in the event of incompatibility:

- Pre-dilute Soil TRIGGRR in 5 gallons of water before adding to the spray tank.
- Increase the amount of water per acre to be applied.
- Add a buffer/compatibility agent to the spray tank.

**CHEMIGATION**

Apply this product only through sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move; (trickle) irrigation systems. Do not apply this product through

**TRIGGRR**  
SOIL

any other type of irrigation system. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.

If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

**Chemigation systems connected to public water systems:**

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection

In cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. The pesticide supply tank should be agitated throughout the application of Soil TRIGGRR. Do not apply when wind speed favors drift beyond the area intended for treatment.

**Sprinkler chemigation:**

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (i.e., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. The pesticide supply tank should be agitated throughout the application of Soil TRIGGRR. Do not apply when wind speed favors drift beyond the area intended for treatment.

**Drip (trickle) chemigation:**

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

# Soil TRIGGRR® Application Table

Crop	Application Timing									
	Early Seeding Vigor	Improved Root Growth	Stress Resistance	Uniformity/Improved Quality	Improved Fruit Size	Increased Fruit Number	Improved Color	Application Method	Use with Foliar TRIGGRR®	
Alfalfa	✓	✓	✓					B,C	O	At planting, chemigate with starter fertilizer at 1st irrigation. Chemigate with fertilizer 14 days after cutting or when regrowth is reinitiated
Apples/Peaches		✓	✓	✓				C	O	At initiation of root flush
Bananas, Plantains		✓	✓		✓			A,B,C	O	Dip in transplant water for 30 seconds prior to planting; make 2nd application 30 days after first
Beans		✓		✓	✓			B,C,E	Y	(B) at planting with preplant fertilizer; (C), side-dress when row is visible; (E) as seed treatment
Broccoli (seeded)	✓	✓						B,C	O	At planting with preplant fertilizer; Make 2nd application 30 days after the first
Transplant	✓	✓						B,C	O	Side-dress or chemigate 7 days after transplant; Make 2nd application 30 days after the first
Cabbage	✓	✓						B,C	O	At planting with preplant fertilizer; 2nd application 30 days after first
Cauliflower	✓	✓						B,C	O	Band 2 inches below seed or apply at 1st irrigation; 2nd application 3 days after the first
Carrots		✓		✓	✓			B,C		Band 2 inches below seed or apply at 1st irrigation; 2nd application 3 days after the first
Celery: Seeded	✓	✓		✓	✓			B,C	O	Band 2 inches below seed; Reapply when seed row is visible and at 4 inches of growth
Transplant	✓	✓		✓	✓			B,C	O	Make 3 applications at 10 day intervals beginning at 3 inches of growth
Corn	✓	✓		✓	✓			B,C	O	Band with starter fertilizer; side-dress at 4 leaf stage
Cotton	✓	✓	✓					B,C	Y	First application at planting, 2nd application with first side-dress
Cucumber/Squash	✓	✓		✓				A,B,C	Y	Apply preplant or 1st fertilization after emergence; 2nd before layby or when plant begins to run
Garlic	✓	✓		✓	✓			B,C	O	Band 2 inches below seed or sets; 2nd application in 30 days
Grapes		✓	✓	✓			✓	C	O	At initiation of root flush
Eggplant	✓	✓		✓	✓	✓	✓	B,C	O	1 week after transplant; 2nd application in 30 days
Lettuce	✓	✓						B,C	O	Drip irrigated lettuce; with first fertilization. 2nd application 20 days later
Melons	✓	✓	✓	✓				B,C	Y	Apply preplant or 1st fertilization after emergence; 2nd before layby or when plant begins to run
Okra	✓	✓	✓	✓	✓			B,C	O	Side-dress or chemigate with first fertilization
Oranges		✓	✓		✓			C	Y	Chemigate at initiation of root growth
Onions, Shallots, Leeks	✓	✓		✓	✓			B,C	O	Band 2 inches below seed or apply at 1st irrigation; 2nd application 30 days after the first
Ornamentals, Trees	✓	✓	✓	✓				D		Apply as a soil drench according to schedule given in Application Methods Table
Peanuts		✓						B	O	Apply at planting with a starter fertilizer or with first side-dress
Peas		✓		✓	✓			B,C,E	Y	Apply at planting with a starter fertilizer or as a seed treatment
Peppers	✓	✓		✓	✓	✓	✓	A,B,C	O	3 applications at 14 day intervals after transplant or when row is visible

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Okra	√	√	√	√	√			B,C	O	Side-dress or chemigate with first fertilization
Oranges		√	√		√			C	Y	Chemigate at initiation of root growth
Onions, Shallots, Leeks	√	√		√	√			B,C	O	Band 2 inches below seed or apply at 1st irrigation; 2nd application 30 days after the first
Ornamentals, Trees	√	√	√	√				D		Apply as a soil drench according to schedule given in Application Methods Table
Peanuts		√						B	O	Apply at planting with a starter fertilizer or with first side-dress
Peas		√		√		√		B,C,E	Y	Apply at planting with a starter fertilizer or as a seed treatment
Peppers	√	√		√	√	√	√	A,B,C	O	3 applications at 14 day intervals after transplant or when row is visible
Peppers, Chili	√	√		√	√	√	√	B,C	Y	3 applications at 14 day intervals after transplant or when row is visible
Potato	√	√			√	√		B,C	Y	Side-dress or chemigate with fertilizer at 4 to 6 inch rosette
Pumpkin	√	√			√			B,C	Y	Apply preplant or 1st fertilization after emergence; 2nd before layby or when plant begins to run
Radish	√	√						B,C	N	Band 2 inches below seed or apply at 1st irrigation; 2nd application 3 days after the first
Soybean		√		√		√		B,C,E	O	Apply at planting with a starter fertilizer or as a seed treatment
Spinach	√	√						B,C	Y	Band 2 inches below seed or apply at 1st irrigation; 2nd application 3 days after the first
Strawberry	√	√	√	√		√		C	O	Chemigate through drip system at 14 to 21 day intervals beginning 1 week after transplant
Sweet Potato	√	√	√		√	√		A	N	Apply 20 to 30 fluid oz./acre with starter fertilizer in transplant water
Tomato	√	√		√	√	√	√	A,B,C	N	Preplant, 1st fertilization or 1 week after transplant; 2nd, 3rd applications at 14 day intervals
Tomato, Roma	√	√		√	√	√	√	A,B,C	Y	Preplant, 1st fertilization or 1 week after transplant; 2nd, 3rd applications at 14 day intervals
Turf	√	√	√					B,C,E	N	Apply with fertilizer to initiate new growth
Wheat	√	√	√					E	N	Apply as a seed treatment at planting
Yams	√	√			√	√		A	O	Apply 20 to 30 fluid oz./acre with starter fertilizer in transplant water

\*Some applications of Soil TRIGGRR are improved when made in combination with Foliar TRIGGRR. Y = Yes; N = No; O = Optional. See the Foliar TRIGGRR label for further information.

**APPLICATION METHODS**

Apply Soil TRIGGRR using the following methods:

- A. TRANSPLANT USE:** Apply Soil TRIGGRR in transplant water at rates recommended in the Application Table, or as a seedling soak prior to transplant at 8 fluid ounces/100 gallons of water.
- B. PREPLANT OR AT PLANTING APPLICATION:** Broadcast Soil TRIGGRR over the soil or seed furrow at 30 fluid ounces/acre and incorporate prior to planting. Soil TRIGGRR may be banded directly into the seed furrow or with a starter fertilizer below or to the side of the seed row. Alternatively, Soil TRIGGRR may be chemigated into the seed row at the first irrigation. See Row Spacing/Rate Table below for recommended rates. Soil TRIGGRR may also be impregnated on dry fertilizers prior to preplant or side-dress applications.

- C. POSTEMERGENT APPLICATIONS:** Knife Soil TRIGGRR into the root zone after transplant or thinning or when a seedling line is visible. Use Row Spacing/Rate Table to calculate recommended rates. CHEMIGATION: Soil TRIGGRR may be applied through sprinkler and drip irrigation systems. Time the application to allow penetration of Soil TRIGGRR into the root zone without excessive leaching into deeper soil. (See also "Chemigation".)
- D. NURSERY AND CONTAINER USE:** Apply Soil TRIGGRR as a soil drench at the following dilutions and rates based on container size.

Container (gallons)	Dilution (pV/100 gallons)	Timing
1	1	weekly
5	1	bi-weekly
10 or more	1	3 weeks to monthly

- E. Soil TRIGGRR** may be applied directly to seeds as a seed treatment prior to or at planting. Apply 4 to 8 fluid ounces of Soil TRIGGRR diluted into seed treatment solution directly on to the seed. Do not soak seeds in Soil TRIGGRR. Do not use treated seed for food, feed, or oil purposes. An approved dye must be added before seeds may be sold in interstate commerce, to distinguished treated seed and prevent inadvertent use for food, feed or oil purposes. Seed commercially treated with this product must be labeled in accordance with all applicable requirements of the Federal and State seed laws.

**ROW SPACING/RATE TABLE**

For many crops Soil TRIGGRR is applied to the seed furrow, as a side-dress, or through drip irrigation systems, up to a maximum of 30 fluid ounces/acre per application.

Row Spacing (Inches)	Fluid Ounces of Soil TRIGGRR per Acre
40 or more	15 to 20
35	20 to 25
30	25 to 30
25	30 to 35
20 or less	35 to 45