



**Tessenderlo**  
**KERLEY**  
The Specialty Liquid Fertilizer People™

# TRISERT® CB

## 26-0-0+0.5B

### FOLIAR FERTILIZER SOLUTION

### APPLICATION GUIDE FOR AGRICULTURAL CROPS

#### KEEP OUT OF REACH OF CHILDREN

#### CAUTION — MAY CAUSE IRRITATION

#### PRECAUTIONARY STATEMENTS

Avoid prolonged or repeated contact with eyes, skin and clothing. Chemical goggles or a full face shield should be worn. To protect skin wear appropriate protective equipment, such as rubber or plastic aprons, rubber gloves and boots. Avoid breathing mist or vapor. Keep containers closed. Wash thoroughly after handling. May cause gastrointestinal distress if swallowed.

**FIRST AID:** In case of contact with eyes, immediately flush eyes with water for at least 15 minutes. Seek immediate medical attention if irritation occurs. In case of skin contact, flush skin with water. If irritation occurs, seek immediate medical attention. Remove and wash contaminated clothing before reuse. If swallowed, give large amounts of water and induce vomiting by touching back of throat with finger unless unconscious. Seek immediate medical attention.

**HANDLING AND STORAGE:** Minimize skin exposure. Store mini-bulks and smaller containers out of the sun in an area of moderate temperature. Do not reuse containers. Avoid containers, piping or fittings made of copper-containing alloys or galvanized metal. Do Not store at temperatures below 0 ° F., as crystallization may occur. Dispose of containers in accordance with local regulations and requirements.

**IN CASE OF SPILL:** Contain spill and maximize recovery. Keep spill out of water sources. Exercise caution in area of spill for slippery conditions. Dispose of spilled material in accordance with regulatory requirements.

**PHYTOTOXICITY:** Plant and leaf injury may occur on some crops when certain weather and growing conditions are present. The user assumes all risks of use and handling.

**WARNING:** TRISERT-CB contains **boron** which may cause injury to crops other than those recommended. All applications should be at the recommended rates and timing of application. Contact your fluid fertilizer dealer or Tessenderlo KERLEY for additional information.

Before handling this product, consult the Material Safety Data Sheet

for handling, safety and first aid information.

Follow directions carefully, including precautions for safe handling.

#### DIRECTIONS FOR USE

TRISERT-CB is a revolutionary foliar fertilizer that contains *triazone*, a patented, slow-release nitrogen compound. TRISERT-CB contains boron, an essential minor element.

TRISERT-CB may be applied either undiluted or diluted (with water) for aerial or ground application. Use sufficient carrier to adequately cover crop foliage.

**General recommendations are listed below:**

<u>VEGETABLES</u>	<u>RATE</u> (QTS/ACRE)	<u>TIME OF APPLICATION</u>
Asparagus	6 - 10	Beginning at mid-fern development, then at 14 to 21 day intervals.
Beans (Dry)		
single application	10	Early pod formation.
multiple application	4 — 6	Early flower and repeat in 10 to 14 days.
Beans (green, lima)	4 — 6	Early flower and repeat in 7 to 10 days.
Broccoli	6 - 10	First application after thinning, then 3 weeks before head formation and repeat in 7 to 10 days.
Cabbage	6 - 10	First application after thinning, then early head formation and repeat after 14 to 21 days.
Cantaloupes	6 - 10	Early flowering and repeat in 7 to 10 days.

<u>VEGETABLES</u>	<u>RATE</u> (QTS/ACRE)	<u>TIME OF APPLICATION</u>
Carrots	4 - 6	When plants are 3 to 6 inches tall, repeat at three week intervals or as required.
Cauliflower	6 - 10	First application after thinning or transplant, other applications at early head set and repeat at 10 to 14 day intervals.
Celery	4 - 6	When plants are 8 to 12 inches tall and repeat at 10 to 14 day intervals.
Corn (Sweet)	4 - 6	When plants are 12 to 24 inches high, then at tassel emergence and repeat after pollination.
Cucumbers		
single application	10 - 16	Early fruit set.
multiple application	4 - 6	Early flower and repeat at 10 to 14 day intervals.
Eggplant	4 - 6	At bud stage and repeat at 10 to 14 day intervals.
Lentils	4 - 6	Early flowering and repeat at 10 to 14 day intervals.
Lettuce	4 - 6	After thinning, then at early head formation and repeat at 10 to 14 day intervals.
Okra	4 - 6	At bud stage and repeat at 10 to 14 day intervals.
Onions	4 - 6	Mid-set development and repeat at 14 to 21 day intervals.
Peas	4 - 6	Early flowering and repeat in 10 to 14 days.
Peppers	4 - 6	Early fruit set and repeat at 10 to 14 day intervals.
Spinach	6 - 10	When sufficient foliage is present and repeat at 14 to 21 days.
Squash	6 - 10	Early fruit set and repeat at 10 to 14 day intervals.
Tomatoes (Process)		
single application	10	Apply 10 to 14 days after full bloom.
multiple application	4 - 6	At full bloom and repeat at 10 to 14 day intervals until 2 weeks before harvest.
Tomatoes (Fresh)		
single application	10	Apply 10 to 14 days after full bloom.
multiple application	4 - 6	At full bloom and repeat at 10 to 14 day intervals until harvest is near completion.
Watermelons	6 - 10	Early flowering and repeat in 7 to 10 days.
Other Crops	4 - 6	When sufficient foliage is present, try on a small area until more experience and trials have been completed to determine if higher rate is desirable.

## FERTIGATION

SPRINKLER IRRIGATION - Beginning at the 3rd to 4th leaf stage, apply 2 to 5 gallons per acre per application every 10 to 14 days based on crop requirements.

DRIP IRRIGATION - Apply 1 to 5 gallons per acre per application 3 to 6 times during the growing season as needed.

<u>FRUITS &amp; NUTS</u>	<u>RATE</u> (QTS/ACRE)	<u>TIME OF APPLICATION</u>
Almonds	6 - 10	Full leaf. Repeat at early nut expansion.
Apples	4 - 6	Apply in a minimum of 100 gallons of water spray solution. Begin at first full leaf and apply as needed during the growing season.
Apricots	4 - 6	Prior to fruit set.
Blueberries	6 - 10	Early fruit set and repeat at early fruit color.
Caneberries	4 - 6	Prior to fruit set.
Cherries	6 - 10	Prior to fruit set.
Citrus	6 - 10	Early bloom and repeat after fruit set.
Winter	12 - 30	Apply in mid-January and repeat as necessary.
Cranberries	4 - 6	Hook stage and repeat after fruit set.
Filberts		
single application	10 - 16	Early nut filling.
multiple application	4 - 6	Early leaf expansion and repeat at 14 to 21 day intervals.
Grapes		
Table	2 - 4	Prior to fruit set.
Raisin	2 - 4	When sufficient foliage is present. Repeat as needed.
Wine	2 - 4	When sufficient foliage is present. Repeat as needed.
Peaches - Nectarines	6 - 10	Prior to fruit set.
Pears	4 - 6	Prior to fruit set or post-harvest.
Pecans	4 - 6	Full leaf. Repeat at early nut expansion.
Plums	6 - 10	Prior to fruit set.
Prunes	2 - 4	Full leaf. Repeat as needed.
Olives	4 - 6	Early fruit development and repeat as needed.
Strawberries	2 - 3	Early flowering and repeat every 14 days through harvest. Initiate fall application when new growth reaches 3 inches in height.

## FERTIGATION

SPRINKLER IRRIGATION - Apply 2 to 5 gallons per acre per application every 10 to 14 days based on crop requirements.

DRIP IRRIGATION - Apply 1 to 5 gallons per acre per application 3 to 6 times during the season when roots are actively growing as needed.

<u>FIELD CROPS</u>	<u>RATE</u> (QTS/ACRE)	<u>TIME OF APPLICATION</u>
Alfalfa	4 - 6	Apply after each cutting when sufficient foliage is present.
Canola	4 - 8	Pre-bloom.
Corn	4 - 6	When plants are 12-24 inches high, then at tassel emergence and repeat after pollination.
Corn (Seed)	4 - 6	Before detasseling and repeat after pollination.
Cotton		
Seedling-	3 - 4	After first true leaves appear.
After seedling stage	2 - 4	May be applied in combination with crop protection chemicals and growth regulators.
Boll development	2 - 4	Early boll formation and repeat at 14 to 21 day intervals.
Flax	6 - 10	Early boll development.
Grain Sorghum	4 - 6	After pollination.
Grass (Seed Production)	10 - 16	Seed head elongation.
Hops	4 - 6	Before cone development.
Peanuts		
single application	10 - 16	Early pod development.
multiple application	4 - 6	Early bloom and repeat at 14 to 21 day intervals until pods are filled.
Potatoes		
single application	10 - 16	Mid tuber development.
multiple application	4 - 6	Tuber initiation and repeat at 10 to 14 day intervals until maximum tuber development has occurred.
Rice	6 - 10	Panicle initiation. Repeat as required.
Small Grains	6 - 10	Tiller to seed head formation.
Soybeans	4 - 6	Early flower and repeat in 14 to 21 days.
Sugar Beets	10	10 to 12 leaf and repeat at 20 leaf stage.
Sunflower	4 - 6	When outer seeds start to fill, repeat in 10 to 14 days.
Sweet Potatoes	4 - 6	Tuber initiation and repeat at 10 to 14 day intervals.
Tobacco	6 - 10	Plant bed stage to near maturity as needed to maintain crop growth and quality.

## FERTIGATION

CENTER PIVOT - Apply 3 to 5 gallons per acre per application as needed based on crop requirements

DRIP IRRIGATION - Apply 3 to 5 gallons per acre per application 3 to 6 times during the growing season as needed.

SPRINKLER IRRIGATION - Beginning at the 3rd to 4th leaf stage, apply 3 to 5 gallons per acre per application every 10 to 14 days based on crop requirements.

## CHRISTMAS TREES, ORNAMENTAL AND NURSERY STOCK.

RATE  
(QTS/ACRE)  
4 - 10\*

TIME OF APPLICATION  
When sufficient foliage is present. TRISERT-CB, has been applied undiluted to some types of ornamental and nursery stock. Since these plants vary widely in growth habit and leaf texture, some types are more susceptible to leaf or tip burn than others. It is recommended that the user try only a few plants at undiluted or concentrated rates and observe for a week before general applications are made.

\*A rate of 10 qts./acre is equivalent to 7.35 oz./1000 square ft.

### **Mixing Procedures When Tank Mixing TRISERT-CB**

- Add 1/2 of total water to spray tank
- Start circulating material in tank
- Add recommended amount of TRISERT-CB
- Add compatible micronutrients
- Add flowable materials
- Add emulsifiables
- Add any soluble powders and/or water soluble fertilizers. All should be pre-dispersed in water before adding to the spray tank solution.
- Complete filling of spray tank to desired volume and continue circulating prior to spray application.
- Flush all spray and nurse equipment after usage.

TRISERT-CB may be applied with pesticide applications. In absence of specific information regarding compatibility, it is recommended that a jar test be utilized to determine specific compatibilities with pesticides and other nutrient sources.

### **GOOD NITROGEN MANAGEMENT IS THE KEY**

Successful nitrogen application rates are dependent upon a number of factors, such as soil type, organic matter content, soil nitrate level, previous crop, irrigation or non-irrigation, variety, planting date, etc. Unexpected weather variations make preplant and /or early season nitrogen application rates difficult to recommend. To achieve efficiency, nitrogen fertilizer use should be considered as a dependent production variable. Total nitrogen applied will depend upon the needs of the developing plant and those environmental factors responsible for the production system in each field.

Soil test recommendations and specific nitrogen rates are usually for average conditions only. For efficient nitrogen use, use starter fertilizer, band applications during cultivation, and foliar applications of TRISERT-CB as the plant's needs dictate.

TRISERT-CB contains *triazone*, a new, patented, highly-concentrated form of nitrogen in which three carbon atoms are joined by three nitrogen atoms to form a strong chemical bond. This bond provides for a slow nitrogen release, which results in less burn and better leaf absorption. Better absorption means better fertilizer performance and better crop yields.

## TECHNICAL DATA INFORMATION

### TRISERT-CB FOLIAR FERTILIZER SOLUTION WITH BORON (26-0-0+0.5B)

#### PLANT NUTRIENT CONTENT, Wt. %

Total Nitrogen (N)	26.0
Boron (B)	0.5

#### TYPICAL DISTRIBUTION OF NITROGEN FORMS, % OF TOTAL N

Slow-release Nitrogen (SRN)	33.0
From Triazone Compounds	31
From Other N Compounds	2
Urea N	67.0

#### TYPICAL PROPERTIES

Specific Gravity, 60° /60°F	1.223
pH	8.7
Salting-Out Temperature, °F	<0
Appearance	Clear, Green

#### FORMULATION AND APPLICATIONS FACTORS (60°F)

Density, Lbs/Gallon	10.2
Volume, Gallons/Ton	196.1
N : B Weight Ratio	50:1

	N	B
Pounds Nutrient per Gallon TRISERT-CB	2.7	0.05
Gallons TRISERT-CB for One Pound	0.38	18.9

If additional potassium is needed, KTS® 0-0-25+17S is recommended for use with TRISERT-CB. The following chart is provided as a guide in blending.

#### APPROXIMATE ANALYSIS OF TANK MIX

KTS 0-0-25+17S	RATIO :	TRISERT-CB 26-0-0+0.5B	=	APPROXIMATE ANALYSIS OF TANK MIX
1	:	1		12-0-13-9S-0.2B
2	:	1		8-0-17-12S-0.15B
3	:	1		6-0-19-13S-0.1B
4	:	1		5-0-20-14S-0.1B
5	:	1		4-0-21-15S-0.1B

## WARRANTY AND LIMITATION OF DAMAGES

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