

# RUSH-45

## GENERAL RECOMMENDATIONS

**PESTICIDE COMPATIBILITY:** RUSH-45 LIQUID PLANT FOOD is generally compatible with insecticides, herbicides, miticides, fungicides and foliar nutrients. It may be incorporated into existing spray programs. Add micronutrient to water before adding pesticides. It is always advisable to first test for compatibility on a small scale before tank mixing products.

**FERTILIZER COMPATIBILITY:** This product is compatible with 32% and 28% Nitrogen solutions. Addition of this product to any other type of fertilizer solution, especially concentrates, should not be done without first testing for compatibility on a small scale.

**FOLIAR APPLICATION:** For best absorption into the plant, apply this product in early morning or late evening. For aerial application use at least 1 gallon of water for every pint of this product applied to the crop. Consult your local farm advisor for information on sensitive varieties and hybrids.

## APPLICATION RECOMMENDATIONS

RUSH-45 LIQUID PLANT FOOD is recommended for application to the following crops:

Alfalfa	Brussels Sprouts	Garlic	Oats	Plums	Spinach
Almonds	Carrots	Grapes	Olives	Pomegranates	Strawberries
Apples	Celery	Grass	Onions	Potatoes	Sugar Beets
Apricots	Cherries	Hops	Ornamentals	Pasture & Range Grass	Sugar Cane
Asparagus	Citrus	Lettuce	Peaches	Prunes	Sweet Corn
Avocado	Corn	Melons	Pears	Rape	Tomatoes
Barley	Cotton	Milo	Peas	Rice	Turf Grass
Beans (all)	Cranberries	Mint	Peanuts	Safflower	Walnuts
Boysenberries	Cucumbers	Nectarines	Pecans	Sorghum	Watermelons
Broccoli	Figs	Nursery Stock	Peppers	Soybeans	Wheat

Unless stated differently on crops below, apply 1 to 4 qts. or 2 to 8 qts. per acre for soil application within 3 weeks after emergence. Split applications are preferred over a single application. Timing and rates for split applications are 1 to 2 qts. foliar or 2 to 4 qts. banded within 3 weeks after emergence and repeat application before bloom.

## FRUIT AND NUT CROPS

**ALMONDS:** *Soil:* In early spring, apply 1 to 3 gallons per acre, with pesticide, irrigation water or fertilizer. *Foliage:* Mix 1 to 4 qts. per acre with sufficient water and apply as a thorough cover spray dormant or delayed with oil or pesticide. Repeat at petal fall and cover sprays at 1 to 4 qts. per acre.

**APPLES AND PEARS:** *Soil:* In early spring, apply 1 to 3 gallons per acre, with pesticide, irrigation water or fertilizer. *Foliage:* Mix 1 to 4 qts. per acre with sufficient water and apply as a thorough cover spray dormant or delayed dormant with oil or pesticide. Repeat at petal fall and cover sprays at 1 to 4 qts. per acre.

**APRICOTS, NECTARINES, PEACHES, PLUMS, AND PRUNES:** *Soil:* In early spring, apply 1 to 3 gallons per acre, with pesticide, irrigation water or fertilizer. *Foliage:* Mix 2 to 3 qts. per acre with sufficient water and apply as a thorough cover spray dormant or delayed dormant with oil or pesticide. Repeat at petal fall and cover sprays at 1 to 4 qts. per acre. **CAUTION:** Do not apply more than 2 qts. per acre to plums or sensitive varieties with cover sprays.

**CHERRIES:** *Soil:* In early spring, apply 1 to 3 gallons per acre, with pesticide, irrigation water or fertilizer. *Foliage:* Mix 1 to 4 qts. per acre with sufficient water and apply as a thorough cover spray dormant or delayed dormant with oil or pesticide. Repeat at petal fall and cover sprays at 1 to 2 qts. per acre.

**CITRUS:** *Soil:* In early spring, apply 1 to 3 gallons per acre, with pesticide, irrigation water or fertilizer. *Foliage:* Mix 4 to 8 qts. per acre with sufficient water and apply during spring and fall growth flush. Repeat during growing season at 1 to 4 qts. per acre with pesticide cover sprays.

LOT NUMBER



## AGRI-TREND LLC

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AT-0057

## GUARANTEED ANALYSIS

8-32-5

Total Nitrogen (N) .....	8.00%
8.00% Ammoniacal Nitrogen .....	
Available Phosphoric Acid (P <sub>2</sub> O <sub>5</sub> ) .....	32.00%
Soluble Potash (K <sub>2</sub> O) .....	5.00%
Iron (Fe) .....	0.10%
0.10% Chelated Iron .....	
Zinc (Zn) .....	0.05%
0.05% Chelated Zinc .....	

Derived from ammonium hydroxide, potassium hydroxide, phosphoric acid, iron EDTA, zinc EDTA chelates derived from ethylenediaminetetraacetate (EDTA).

ALSO CONTAINS NONPLANT FOOD INGREDIENT:

0.50% humic acids derived from Leonardite.

**NOTE:** When mixing liquids with other chemicals, all chemical labels should be read in their entirety to ensure both chemical compatibility, and compatibility based on the pH.

**Information regarding the contents and levels of metals in this product is available by calling (888)342-7758.**

**Weight Per Gallon (3.785 L) 11.8 lbs. (5.357 kg)  
Do Not Store Below 32° F (0° C).**

**NET CONTENTS 5 GALLONS (19 L);  
59 POUNDS (26.786 Kg)**

## CAUTION

**KEEP OUT OF REACH OF CHILDREN**  
**Warning: This product may contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.**

## GENERAL INFORMATION

This is a non-phytotoxic micronutrient solution for foliar and soil application. The sequestered metals are highly available and absorbed by leaves and the root system, because of the sequestering agent's high chelating ability.

**Do not use aluminum or copper (including brass or bronze) components in any handling or storage equipment for this product. Mild steel components should not be used except for emergency, or temporary, short-term service. Use stainless steel (316 or better), polyolefin (polyethylene, polypropylene, etc.), fiberglass, or other high-quality acid-resistant plastic materials. Check with equipment manufacturer for compatibility of components prior to use with this product.**

## NOTICE

Agri-Trend LLC warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purposes stated on such label only when used in accordance with the directions under normal use conditions. It is impossible to eliminate all risks inherently associated with the use of this product. 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 Agri-Trend LLC. In no case shall Agri-Trend LLC be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the buyer. Agri-Trend LLC makes no warranties of merchantability or fitness for a particular purpose nor any other express or implied warranty except as stated above.

*"Formulations for Success"*

# LIQUID PLANT FOOD

**GRAPES:** Apply 2 to 6 qts. per acre before bloom as foliage or soil application. Add 1 to 3 pints per acre to each pesticide spray. For best results apply 2 qts. per acre near bud swell and 2 qts. per acre when shoots are 4 to 6 inches long.

**PECANS:** *Soil:* In early spring, apply 1 to 3 gallons per acre, with pesticide, irrigation water or fertilizer. *Foliage:* Mix 2 to 4 qts. per acre in sufficient water and apply as a thorough cover spray dormant or delayed dormant with oil or pesticide. Repeat at petal fall and cover sprays at 1 to 4 qts. per acre.

**OTHER FRUIT AND NUT CROPS:** *Soil:* In early spring, apply 1 to 3 gallons per acre, with pesticide, irrigation water or fertilizer. *Foliage:* Mix 2 to 4 qts. per acre with sufficient water and apply as a thorough cover spray dormant or delayed dormant with oil or pesticide. Repeat at petal fall and cover sprays at 1 to 4 qts. per acre.

## FIELD AND VEGETABLE CROPS

**BEANS:** *Soil:* Apply 1 to 2 gallons per acre with irrigation water, pesticides, or fertilizer before the 4th trifoliolate. *Foliage:* Apply 1 to 4 qts. per acre to foliage with sufficient water when beans are between the 2nd and 4th trifoliolate stage. Apply 2 to 4 pints per acre with normal pesticide spray program.

**CORN:** Apply 1 to 4 qts. per acre to the foliage or soil. For best results split application as follows. Apply 1 to 2 qts. per acre to the foliage or soil (band) within 3 weeks of emergence, and apply 1 to 3 qts. per acre with each pesticide application prior to bloom.

**COTTON:** Apply 1 to 4 qts. per acre to the foliage or soil. For best results split application as follows. Apply 1 to 2 qts. per acre to the foliage or soil (band) within 3 weeks of emergence, and apply 1 to 3 qts. per acre with each pesticide application prior to bloom.

**POTATOES:** *Soil:* Apply 1 to 4 qts. per acre at or near planting. *Foliage:* In early spring, apply 1 to 2 qts. per acre with sufficient water to give complete coverage. Repeat application within 2 to 4 weeks especially where deficiencies are known to occur.

**RICE:** *Foliage:* Apply 2 to 4 qts. per acre in sufficient water to assure thorough coverage. For best results apply 1 to 2 qts. with first pesticide application and 1 to 2 qts. per acre prior to pollination.

**SMALL GRAINS:** *Soil:* Band, sidedress or broadcast 1 to 8 qts. per acre at planting or within 2 weeks of emergence. *Foliage:* Apply 1 qt. per acre in sufficient water for complete coverage. Apply within 30 days after planting and before flowering. Split applications are preferred over a single application.

**SORGHUM:** Apply 1 to 4 qts. per acre to the foliage or soil. For best results split application as follows. Apply 1 to 2 qts. per acre to the foliage or soil (band) within 3 weeks of emergence. Apply 1 to 3 pints per acre with each pesticide application prior to bloom.

**OTHER FIELD AND VEGETABLE CROPS:** Apply 1 to 4 qts. per acre to the foliage or soil. For best results split application as follows. Apply 1 to 2 qts. per acre to the foliage or soil (band) within 3 weeks of emergence. Apply 1 to 3 pints per acre with each pesticide application prior to bloom.

## OTHER CROPS AND USES

**ORNAMENTALS, CONTAINER GROWN TREES AND SHRUBS AND FIELD GROWN NURSERY STOCK:** *Soil:* Apply 1 to 4 ounces per 100 sq. ft. Repeat application at fertilization or regular intervals. *Foliage:* Apply 1 to 2 qts. per acre as a thorough cover spray.

**GREENHOUSE-GROWN CHRYSANTHEMUMS, ROSES, CARNATIONS, AND POTTED FLORAL PLANTS:** *Soil Only:* Apply 1 to 3 ounces per 100 sq. ft. at regular intervals with fertilizer or drip irrigation.

**TURF GRASSES:** Apply 1 qt. per acre or 1 to 2 ounces per 1000 sq. ft. Mix with water, liquid fertilizer solution or pesticide solution and apply in early spring. Repeat as needed.

## For Application in Irrigation Water

**PIVOT, SPRINKLER, OVERHEAD AND SOLID SET IRRIGATION:** Apply 1 to 8 qts. per acre with irrigation water. The product may be incorporated into fertilizer and/or pesticide before injection. Use back-flow check valve to prevent material from running back into water system.