



# 3-18-18

## LIQUID FERTILIZER

### GUARANTEED ANALYSIS

TOTAL NITROGEN (N) .....	3.00%
0.80% Ammoniacal Nitrogen	
2.20% Urea Nitrogen	
AVAILABLE PHOSPHATE (P <sub>2</sub> O <sub>5</sub> ).....	18.00%
SOLUBLE POTASH (K <sub>2</sub> O).....	18.00%

Derived from urea, anhydrous ammonia, phosphoric acid and potassium hydroxide.

Weight per gallon 11.8 lbs. per gallon @ 68°F



KEEP OUT OF REACH OF CHILDREN

### WARNING

HARMFUL IF SWALLOWED.  
CAUSES SKIN IRRITATION.

**PRECAUTIONARY STATEMENTS:** Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Specific treatment see First Aid section of this label.  
**PERSONAL PROTECTIVE EQUIPMENT:** Wear protective gloves / protective clothing / eye protection / face protection. Take off contaminated clothing and wash before reuse.

**FIRST AID: IF SWALLOWED** Rinse mouth. Call a poison center / doctor if you feel unwell. **IF ON SKIN** Wash with plenty of water. If skin irritation occurs, get medical advice / attention.

**DISPOSAL** Dispose of contents / container in accordance with local / regional / national regulations.

### PRODUCT PROPERTIES

- Specific Gravity ..... 1.42
- pH..... 7.4 - 7.8
- Appearance ..... Clear
- Orthophosphate ..... 100%
- Odor ..... Nearly odorless, or mild ammonia odor

3-18-18 is highly soluble and in a form readily absorbed by plant tissue. 3-18-18 is a low salt index formulation. This product provides an additional source of nitrogen, phosphate and potassium developed to supplement standard soil fertility applications.

Optimum results are obtained when 3-18-18 is banded on or near the seed at planting, or sprayed on the plants at the second true leaf stage.

3-18-18 is compatible with most pesticides. Use the standard jar test to determine compatibility. Use soil and tissue tests or contact your State Agricultural Experiment Station or Extension Specialist for selecting treatments to best manage nutrient levels within your crop.

DO NOT use this product under the following conditions: (1) When plants are suffering from heat or pest stress; or (2) during the heat of the day or when temperatures exceed 90°F. (3) Do not apply with non-100% EDTA

chelated calcium, magnesium, copper, manganese, zinc or iron compounds. (4) Do not apply with antibiotic, sulfate or chloride salts, or spray oils. (5) Do not apply by air when wind exceeds 5 miles per hour.

DO NOT spray to run off. Do not spray until droplets coalescence. Do not allow concentrated spray mist to run on fruit or leaves.

### METHODS OF APPLICATION

#### SPRAY TERMINOLOGY

Broadcast application: Broadcast acre, planted acre, total acre is the total land area within the borders of the field. Band application: Sprayed acre, strip acre, directed spray refer only to the area receiving the spray.

#### GROUND APPLICATIONS

To calculate spray volumes on any crop with greater than two-thirds ground cover on a perennial crop, use "total acres" for calculating applications. On annual crops with less than two-thirds ground cover, use "sprayed acre" for calculating applications. Use the following formula to calculate the amount of 3-18-18 needed per acre for band treatment.

Band width	x	Amount needed	=	3-18-18
(inches)		for		needed
Inches between		overall		for band
crop rows		treatment		application

### DIRECTIONS FOR USE

All recommendations are based on a broadcast application. When band or directed sprays are used, calculate the rate for the "sprayed acre" only. For most field and horticultural crops the early season applications are directed sprays. For treatment of individual trees or vines, divide rate per acre by number of trees or vines per acre. Dilute in a minimum, equal amount of water. Add wettable or soluble powders, emulsifiables or flowables to water and dissolve or disperse before adding 3-18-18.

### FOLIAR APPLICATIONS

#### TREE CROPS

ALMONDS, FILBERTS, PISTACHIOS, PECANS, WALNUTS: 1-4 gallons per acre. Apply 3 times per season starting at first full leaf, early nut development and 3 to 4 weeks prior to hull split.



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APPLES, NECTARINES, PEACHES, PEARS, PLUMS: 1-3 gallons per acre. Apply 3 to 4 applications per season starting at  $\frac{3}{4}$  leaf, then at early fruit size, mid-size fruit and 3 to 4 weeks prior to harvest.

AVOCADOS: 1-4 gallons per acre. Apply at prebloom, early fruit set and fruit sizing periods.

CHERRIES, APRICOTS: 1-3 gallons per acre. Apply 3 to 4 times beginning at pink bud, first full leaf then at fruit mid-size and post harvest.

CITRUS: 2-4 gallons per acre. Apply 3 times per year starting at prebloom, early fruit and then fruit size.

FIGS: 1-4 gallons per acre. Apply 3 to 4 times starting at first full leaf, then at fruit set, fruit size and 3 to 4 weeks prior to harvest.

OLIVES: 1-3 gallons per acre. Apply 3 times per season starting at prebloom, early fruit development and 3 to 4 weeks prior to harvest.

### VINE OR BERRY CROPS

BUSH BERRIES: 1-3 gallons per acre. Apply 3-4 times per season starting at first full leaf, then post-bloom and at berry sizing time.

GRAPES: Apply 3 to 4 times per season. Make the first application at first full leaf applying 1 gallon per acre. For the following applications, apply 2-3 gallons per acre at post bloom, berry size and 3 to 4 weeks prior to harvest.

STRAWBERRIES: 1-2 gallons per acre. Apply at early fruit set and after each picking.

### FIELD CROPS

ALFALFA: 1-3 gallons per acre applied immediately after each cutting. For the final cutting of the season apply 2-3 gallons per acre.

BEANS, PEAS: Make the first application at first true leaf stage using 1 gallon per acre. Apply 1-2 gallons per acre at prebloom and again at pod fill.

CORN: 1-3 gallons per acre. Apply when plants reach 8-12 inches of growth and again at 24-30 inches.

COTTON: 1-3 gallons per acre. Apply 3 to 4 applications per year beginning at first square, then first bloom, peak bloom and peak boll set.

MILK: 1-3 gallons per acre. Apply 3 times per season at 3-week intervals beginning when plants reach 8-12 inches.

POTATOES: 1-3 gallons per acre. Apply 3 to 4 times per season beginning at early emergence, again 3-4 weeks later and at prebloom.

SAFFLOWER: 1-3 gallons per acre. Apply when plants reach 4-8 inches, again 2-3 weeks later and just prior to bloom.

SOYBEANS: 1-3 gallons per acre. Make the first application at full leaf and the last application at early pod fill.

SUGARBEETS: Apply 1- 3 gallons of 3-18-18 when the plant's crown is 8 to 10 inches across. Repeat the application at 3 week intervals with the final application taking place the 1st part of August (North America). Foliar nutrients to younger beet plants may decrease susceptibility to frost damage on newly emerged beets. References (Mid-West Laboratories).

WHEAT, BARLEY, OATS, RICE: 1-3 gallons per acre. Make the first application at early tillering and again at early boot stage.

### VEGETABLE CROPS

ARTICHOKES: 1-3 gallons per acre. Apply 3 to 4 weeks prior

to each peak harvest period.

ASPARAGUS: Apply 1-3 gallons per acre at full fern. Make the second application 2 weeks before fern turns yellow in the Fall, using 3-4 gallons per acre.

CELERY: Apply 1-3 gallons per acre. Make the first application at transplanting or thinning with the second 3 to 4 weeks later and again 4 weeks prior to harvest.

COLE CROPS: (Cabbage, Cauliflower, Broccoli, Brussel Sprouts) 1-3 gallons per acre. Make the first application after transplanting or thinning with the second application 3 to 4 weeks later and another 3 to 4 weeks prior to harvest.

LETTUCE: 1-3 gallons per acre. Apply 2 to 3 times per growing season beginning when the plants have reached the second true leaf stage after transplanting or thinning, at folding and again 3 weeks prior to harvest.

MELONS, CUCUMBERS, SQUASH: 1-3 gallons per acre. Apply 3 times per season starting at first new growth after transplanting or thinning, at first blossom and again at fruit set/fruit size.

ONIONS, GARLIC: 1-3 gallons per acre. Apply 3 times per season starting when first leaf is 3 inches, then at mid-season and again 2 to 3 weeks prior to harvest.

PEPPERS: 1-3 gallons per acre. Apply 3 times per season starting at first new growth after transplanting or thinning, then at first blossom and again at fruit size.

SPINACH: 1-3 gallons per acre. Apply 3 times per season starting at first true leaf, then midseason and again 2 to 3 weeks prior to harvest.

SWEET CORN: 1-3 gallons per acre. Apply 3 times per season starting with the first application at second to third leaf stage, again at pretassel and the final application at early ear development.

SWEET POTATOES: Use planting drench of 3 gallons per 100 gallons of water. Apply 1-3 gallons as a foliar 3 weeks after planting, again midseason, and with a final application 2 to 3 weeks prior to harvest.

TOMATOES: 1-3 gallons per acre. Apply 4 times per season starting at first true leaf, then at early bloom, fruit set and early fruit size.

### TRANSPLANT SOLUTION AND DRENCHES

Mix thoroughly 1-2 gallons in not less than 100 gallons of water and drench roots. For vegetables drench entire plant. Plant immediately after drenching. Do not allow plants to dry or wilt. Do not exceed 3 gallons of 3-18-18 per acre, regardless of the amount of water used in transplanting.

Warning: This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm. Proposition 65, the Safe Drinking Water and Toxic Enforcement Act of 1986, requires notification of potential exposure to substances identified by the State of California as causing cancer, birth defects or other reproductive harm.

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.regulatory-info-jr.com>

DISCLAIMER OF WARRANTIES: Seller warrants that the composition of this product conforms to the description given on this label. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES AND REPRESENTATIONS EXPRESSED, IMPLIED, OR STATUTORY, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE. Timing, rate and method of application, weather and crop conditions, mixtures not specifically recommended on this label or an accompanying written recommendation, are beyond the control of the seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. Buyer further agrees in the event of damages arising from the use of this product to accept a replacement of the product or a refund of the purchase price of the product, at buyer's option, as full discharge of seller's liability. No one is authorized to make any other warranty, guarantee or directions concerning this product, and no such warranties, guarantees or directions shall be valid or binding upon seller.