



# GAINER®

# 9-45-15

## A WATER SOLUBLE PLANT FOOD CONCENTRATE

### GUARANTEED ANALYSIS

Total Nitrogen (N)	9.00%
6.6% Ammoniacal Nitrogen	
2.4% Nitrate Nitrogen	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	45.00%
Soluble Potash (K <sub>2</sub> O)	15.00%
Boron (B)	0.02%
0.02% Soluble Boron (B)	
Copper (Cu)	0.05%
0.05% Soluble Copper (Cu)	
Iron (Fe)	0.10%
0.10% Chelated Iron (Fe)	
Manganese (Mn)	0.05%
0.05% Soluble Manganese (Mn)	
Molybdenum (Mo)	0.0005%
0.005% Soluble Molybdenum Mo)	
Zinc (Zn)	0.05%
0.05% Soluble Zinc (Zn)	

**Derived from:** monoammonium phosphate, monopotassium phosphate, potassium nitrate, sodium borate, copper EDTA, iron EDTA, manganese EDTA, sodium molybdate and zinc EDTA.

Chlorine less than 1.0%

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

**PROPOSITION 65 WARNING: WARNING:** This product may contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

**NOTICE:** Seller warrants that this 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 condition of use. Seller makes no warranties of merchantability or fitness for a particular purpose or any other express or implied warranty except as stated above. Under no circumstances will such warranty extend to the use, storage or handling of this product contrary to the label instructions or under abnormal conditions or under conditions not reasonably foreseeable to seller. The buyer shall assume all such risks of such use, including but not limited to crop injury, ineffectiveness, damage to plants, damage caused by drift to other plants or crops, personal injury or other unintended consequences. These 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 the seller. In no case shall RSA MicroTech, LLC be liable for consequential, special or indirect damages resulting from the use or handling of this product.

### CAUTION –

**KEEP OUT OF REACH OF CHILDREN!**

~Harmful if swallowed.~

~Avoid breathing dust.~

Manufactured Exclusively By:

**RSA MicroTech, LLC**

PO Box 39

Marysville, WA 98270

# NET WEIGHT: 25 LBS. (11.34 kg.)

### GENERAL DIRECTIONS

**GAINER® 9-45-15** is generally compatible with pesticides and other fertilizers. Determine compatibility with a jar test before mixing products.

#### APPLICATION IN IRRIGATION WATER

**Solid Set, Overhead, Sprinkler or Pivot Irrigation Systems:** Dissolve **GAINER®** in mix tank and apply 8-10 lbs. per acre in irrigation water. Use of anti-siphon or back-check valve is recommended to prevent material from running back into primary water supply. This product may be used for drip irrigation provided a compatibility test reveals no detrimental interaction between the product and the irrigation water.

**DILUTE APPLICATIONS:** 3 to 5 lbs. per 100 gallons of water.

**SEMI-CONCENTRATE:** 5 to 20 lbs. per acre in 40 to 100 gallons of water.

**AIR APPLICATION:** 5 to 10 lbs. per acre in sufficient water for good coverage.

- Fill tank with water. Start agitation. Add **GAINER®** slowly and continue agitating until product is completely dissolved. Use this procedure only. **DO NOT** pre-mix as a slurry. Add pesticide last.
- When temperatures are cold, allow extra time for this product to completely dissolve.
- If additional wetting is required, add a non-ionic spreader at 1 pint per 100 gallons or 1 pint per acre by air.
- Avoid foliage application when plants are suffering from abnormal growing conditions due to heat stress or drought.
- Do not use on Golden Delicious during slow drying conditions.
- Exceeding 2 lbs. **GAINER® 9-45-15**, or other materials, per gallon of water will over-saturate spray solution and cause a precipitate. **Do not exceed 2 lbs. GAINER® 9-45-15 per gallon of water.**

**SMALL GRAINS:** (*Wheat, oats, barley, rye, etc.*). Use 5 to 10 lbs. per acre in sufficient water to cover by air or ground. Apply at tillering and again at early boot stage.

**DECIDUOUS FRUITS:** (*Apples, pears, cherries, plums, prunes, peaches, almonds, walnuts, filberts, pistachios, pecans, etc.*). Apply in delayed dormant, pre-bloom, and post-bloom sprays at 3 to 5 lbs. per 100 gallon in dilute sprays or 10 to 15 lbs. per acre in concentrate sprays. Avoid combining with materials that may cause russetting. Post-harvest application of 10 to 40 lbs. per acre can enhance tree vigor and increase nutrient levels within spurs the following season.

**CITRUS:** Ground Sprayers: Use 8 to 10 lbs. per acre. Apply at 7-10 day intervals (Higher rate for full bearing trees.)

**VINE CROPS** (*Melons, Cucumbers, etc.*): Ground Sprayers: Use 8 to 10 lbs. per acre when plants are 12"-14" across. Subsequent applications: Apply 8-10 lbs. per acre at the first sign of bloom. 2-3 weeks following the second application, apply 8-10 lbs. per acre as needed. Air Application: use 5 to 10 lbs. per acre in no less than 10 gallons of water.

**HOPS:** Ground sprayers: Use 8 to 10 lbs. per acre in 100 to 200 gallons of water. Air application: use 5 to 8 lbs. per acre in no less than 10 gallons of water. Apply when hops are halfway up wire and again when they reach the top of the wire.

**GRAPES:** Ground sprayers: use 5 to 10 lbs. per acre in 100 to 200 gal. of water. Air application: use 5 to 10 lbs. per acre in no less than 10 gal. of water. Apply when leaves emerge, pre-bloom, and post-bloom until grapes are 1/4 size.

**POTATOES:** Use 10 lbs. per acre. Apply when plants are 4" to 6" high (hooking stage). Subsequent applications at 2 to 3 week intervals. Later applications may prevent "early die" symptoms.

**CORN:** (Field and sweet). Use 8 to 10 lbs. per acre. Apply when corn is 6"-8" high and again prior to tasseling.

**BEANS, PEAS, LENTILS, RAPESEED** (*Canola*): Use 5 to 10 lbs. per acre. Apply at first sign of bloom. Repeat 2 weeks later.

**COLE CROPS, LETTUCE, LEAFY VEGETABLES:** Use 8 to 10 lbs. per acre. Apply right after thinning or transplanting. Repeat every 10 to 14 days. Additional wetting may be needed.

**SUGAR BEETS:** Use 8 to 10 lbs. per acre. Apply when leaves are 10" across. Repeat 3 to 4 weeks later. Additional wetting may be needed.

**FIELD CROPS:** (*Mint, alfalfa, clover*). Use 8 to 10 lbs. per acre. Apply when plants have 6" to 8" new growth. Repeat to new growth after each cutting.

**ONIONS, GARLIC, TOMATOES, PEPPERS:** Use 8 to 10 lbs. per acre. Begin application prior to bloom. Repeat every 2 to 3 weeks thereafter.

**BERRIES:** (*Strawberries, raspberries, blackberries, blueberries*). Use 5 to 10 lbs. per acre in spring on new growth. Repeat at pre-bloom and 3 weeks later. Use sufficient water for good coverage.

**CRANBERRIES:** Use 8 to 10 lbs. per acre. Apply at popcorn stage. Repeat at hooking and 3 weeks later.

**GAINER 9-45-15** is approved for use on cotton, peanuts, sugarcane, grain sorghum and most other Southern crops. Consult your RSA Representative for specific uses and rates.

**COMPATIBILITY:** **GAINER® 9-45-15** is compatible with most commonly used pesticides. Do not use with lead arsenate, hydrated lime, lime sulfur, or other strongly alkaline materials. Do not use with amine form of 2,4-D or with dicamba (e.g. Banvel). In all cases, it is recommended that a jar test be made to determine compatibility of **GAINER® 9-45-15** with other materials before proceeding with high volume mixing.

**NOTE:** This product is not recommended for use with copper or tin fungicides. These mixtures can be phytotoxic and damage the crop.