

Technical Bulletin

Gainer® 12-61-0

RSA MicroTech
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Introduction

Gainer 12-61-0 is a 100% water soluble mono-ammonium phosphate that can be mixed with other water soluble fertilizers. Gainer 12-61-0 also can be used in the production of other NPK fertilizer solutions.

The phosphorus in Gainer 12-61-0 is 100% ortho-phosphoric acid. This means that all the phosphorus is immediately available to the plant. The low pH of Gainer 12-61-0 also is advantageous for leaf uptake and acts as a good acidifier for the spray solution.

Crops Labeled

Berries

Cranberry

Grapes

Deciduous Fruits

Small Grains

Vegetables: beans, cole crops, garlic, onion, pepper, pea, potato (inc. sweet), tomato and others

Most Other Crops

Use Rates and Timing

Gainer 12-61-0 is most often recommended at 3 to 10 pounds per acre. Use early in the growing season where phosphorous availability is crucial for the establishment of the rooting system.



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Precautions

Gainer 12-61-0 is compatible with most commonly used pesticides. However, it should not be used with lead arsenate, hydrated lime, lime sulfur, or other strongly alkaline materials. Do not use with amine forms of 2,4-D or with dicamba (e.g. Banvel[®]). In all cases, a jar test is recommended to determine compatibility of Gainer 12-61-0 with other materials before proceeding with high volume mixing.

Contents

Guaranteed Analysis 12-61-0

Total nitrogen (N).....	12%
12% Ammoniacal Nitrogen	
Available phosphate (P ₂ O ₅).....	61%
Arsenic (As).....	<0.003%
Cadmium (Cd).....	<0.002%
Iron (Fe).....	<0.005%
Lead (Pb).....	<0.001%

Derived from mono-ammonium phosphate.

Technical Specifications

Product class	fertilizer
Formula	NH ₄ H ₂ PO ₄
CAS#	7722-76-1
Appearance	clear, white odorless crystals
pH (1% solution)	4.2 to 4.6
Water Solubility	99.95% (% min)
Sieve Test (98% min)	
	-14 (1.41 mm) + 100 (0.18 mm)
Packaging	50 lb poly bags

This bulletin provides some technical information and is not intended to give complete information for all applications. Always read and follow label directions.

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