



Copper-Count[®]-N Liquid Fungicide Spray Concentrate

Copper-Count[®]-N, a copper based fungicide, has demonstrated excellent protection against a number of economically important diseases on tomatoes, peppers, beans, potatoes, peanuts, melons, peaches, walnuts, almonds and citrus. The low rates of metallic copper make this compound an excellent tool for Integrated Pest Management (IPM) programs. The residual properties of this compound make it ideally suited for preventative control of pathogenic fungi and bacteria in high value crops.

Chemical and Physical Properties

Chemical Name: Copper ammonium complex
Chemical Abstracts Registry Number: 23087-46-9

Metallic Copper: 7.90% - 8.00%
pH: 7.05

Physical Form: Liquid
Specific Gravity: 1.157 – 1.163

Boiling Point: 212° F
Freezing Point: 14° F

Color: Deep Blue
Odor: Faint – Sweet

Heavy Metal Contaminants:
Lead as Pb: < 10 ppm
Cadmium as Cd: < 1 ppm
Arsenic as As: < 1 ppm
Chrome as Cr: < 1 ppm

Toxicity Properties

Acute Oral LD₅₀ (Rat) > 5,000 mg/Kg
Eye Irritation (Rabbit) Minimal-Mild
96-Hour LC₅₀ (Bluegill) 3,280 ppb
48-Hour LD₅₀ (Honey Bee) > 100 ug A.I./bee
48-Hour NOEL (Honey Bee) 22 ug A.I./bee
8 Day Dietary LC₅₀ (Bobwhite Quail) > 10,000 ppm
8 Day Dietary LC₅₀ (Mallard Duck) > 10,000 ppm
Acute Dermal LD₅₀ (Rabbit) > 4,000 mg/Kg
Dermal Irritation (Rabbit) Non-irritating
96-Hour LC₅₀ (Rainbow Trout) 20.4 ppb