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:
105° F

Freezing Point:
14° F

Color:
Deep Blue

Odor:
Faint – Sweet

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

Toxicity Properties

Acute Oral LD_{50} (Rat) > 5,000 mg/Kg
Acute Dermal LD_{50} (Rabbit) > 4,000 mg/Kg
Eye Irritation (Rabbit) Minimal-Mild
Dermal Irritation (Rabbit) Non-irritating
96-Hour LC_{50} (Bluegill) 3,280 ppb
96-Hour LC_{50} (Rainbow Trout) 20.4 ppb
48-Hour LD_{50} (Honey Bee) > 100 ug A.I./bee
48-Hour NOEL (Honey Bee) 22 ug A.I./bee
8 Day Dietary LC_{50} (Bobwhite Quail) > 10,000 ppm
8 Day Dietary LC_{50} (Mallard Duck) > 10,000 ppm