



## Usage Guide

SCD Bio Ag™ is produced for use in organic production, working to replenish and maintain soil's naturally existing balance and ecology.

Unlike toxic, chemical additives or synthetic sprays, which contaminate and leave soil nutrient depleted, SCD Bio Ag™ inoculates soil and groundwater with soil-based nutrients which are found to naturally benefit agricultural environments. With SCD Bio Ag™, soil is brought back to life! With proper application, crop quality and yield will improve over time.

This product is sold as a concentrate and should be diluted in water before use on a wide variety of applications. Use as Directed\*.

### Directions for Use:

	Dilution	Application
<b>Agricultural Inoculant:</b>	1 -10 gallons per acre per year	Apply with other amendments as a spray or as an additive to irrigation water. May be added 1-10 gallons per acre or according to economic feasibility. A grand total of 60 gallons per acre per year can be applied.
<b>Seed Soak:</b>	1:1000	Soak seeds for 5-10 minutes in dilution. Continue to spray seeded area with standard 1:1000 dilution every 3-4 weeks during crop growth.
<b>Crop Residues:</b>	1:1000	Apply 1-5 gallons per acre on top of crop residues or before incorporating into soil
<b>Orchard:</b>	1:1000	10-60 gallons per acre per season (diluted with water) Note: Do not spray while blossoming or blooms may drop.
<b>Hydroponic Systems:</b>	1:10,000	Add dilution to system along with nutrient solution.
<b>Lawn and Garden:</b> Lawn	1:1000	Apply dilution as a spray or as an additive to watering system
<b>Lawn and Garden:</b> Trees and flowering plants	1:1000	Spray soil and foliage with dilution for every season. DO NOT spray blooms or they may drop. Prepare soil and let sit for one month before seeding. Add EM weekly while watering. Apply to soil when preparing for fall season.
<b>Lawn and Garden:</b> Plant propagation from leaf, stem, or root cuttings	¼ Tsp in vase or 16 oz holding container	To propagate in Water: Room temperature. Introducing stem, vine, or root to dilution. When new roots sprout, plant in soil moistened with dilution. To propagate in Soil: Moisten soil with dilution and insert leaf or stem. Continue watering with dilution as needed.



**Beneficial Microbial Inoculant**

<b>Lawn and Garden:</b> Window boxes and inside plants.	½ Tbsp per 16 oz spray bottle or watering container	Add SCD Bio Ag™ to watering can or spray bottle. When planting, prepare dilution in spray bottle and mist planting holes and surface of loosened soil before placing and covering seeds. Mist surface. Do not spray blooms.
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\*Mix only as much as is needed for each application. For best results, each dilution should be used within the first 24 hours.

## SCD EM Dilution Guide:

	<u>SCD Bio Ag™</u>	<u>TO</u>	<u>WATER</u>
1: 50	1 tsp		1 Cup
	4 tsp		1 Quart
	5 Tbsp		1 Gallon
1: 100	1 tsp		2 Cups
	2 tsp		1 Quart
	2.5 Tbsp		1 Gallon
1: 500	3/4 tsp		2 Quarts
	1.5 tsp		1 Gallon
	2 Tbsp		4 Gallons
1: 1000	3/4 tsp		1 Gallon
	1 tsp		6 Quarts
	1.5 tsp		2 Gallons
1: 10,000	3/4 tsp		10 Gallons