



## APPLICATION DIRECTIONS

SC27 PLUS ORGANIC

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# INTRODUCTION

The following guide has been developed for proper application when using SC27 PLUS Organic.

SC27 PLUS Organic is a microbial soil inoculant which has been refined for use on all plant species & soil types. SC27 PLUS Organic is designed to work in conjunction and as an integral part of current integrated programs. SC27 PLUS Organic will proliferate and sustain beneficial microbial counts in the sub soil and growing medium with proper use.

The following handbook has been designed to give Organic growers a reference guide to properly cultivate and grow beneficial soil microorganisms with the help of SC27 PLUS Organic.

# PRODUCT INFORMATION

SC27 PLUS Organic- officially listed by OMRI- contains no synthetics, chemical additives or toxic ingredients. SC27 PLUS Organic has a complex and integrated mode of action consisting of 50 proprietary beneficial soil microbes.

SC27 PLUS Organic has been refined over the past 20 years and is a valuable tool for integrated management programs and is used to restore soil balance and to increase and sustain non-indigenous beneficial microbe species.

# INGREDIENTS



## SC27 PLUS ORGANIC | SOIL INOCULANT

Contains non plant food ingredients - (CFU equals colony forming unit)

Streptomyces janthinus .....	1 X 10(9) cfu per gram
Streptomyces cinerochromogenes .....	1 X 10(10) cfu per gram
Streptomyces chromofuscus .....	1 X 10(8) cfu per gram
Streptomyces atratus .....	1 X 10(9) cfu per gram
Streptomyces aurantiogriseus .....	1 X 10(10) cfu per gram
Streptomyces rimosus .....	1 X 10(8) cfu per gram
Streptomyces venezuelae .....	1 X 10(8) cfu per gram
Streptomyces violaceus .....	1 X 10(10) cfu per gram
Streptomyces violascens .....	1 X 10(9) cfu per gram
Streptomyces viridodiasticus .....	1 X 10(10) cfu per gram
Streptomyces griseus .....	1 X 10(9) cfu per gram
Streptoverticillium rectiverticillatum .....	1 X 10(9) cfu per gram
Bacillus subtilis .....	1 X 10(9) cfu per gram
Endomycorrhizal fungi .....	1 X 10(8) cfu per gram
Ectomycorrhizal fungi .....	1 X 10(8) cfu per gram
Inert Ingredients .....	96.80%

### Packaging and Weights:

1.1 lbs plastic bag: 500 grams per bag

### Product Description:

SC27 PLUS ORGANIC is a wettable powder microbial soil inoculant. It increases colonies of beneficial soil microorganisms. It is formulated as a water soluble powder which dissolves in water instantly. It contains no surfactants and none are needed. SC27 PO is a non-toxic product and has no re-entry period.

The SEPIXA website provides beneficial information on our product line in an easy-to-use format in our FAQ section. To access and print product labels and MSDS sheets for SC27 PO please visit:

<http://sepixa.com/product/sc27-plus-organic/sc27-plus-organic>

# PRE APPLICATION & TANK PROTOCOL

**Proper application requires calibration to accurately apply even doses of SC27 PLUS ORGANIC for effectiveness and economic importance.**

- 1. Rinse tank several times to flush out any and all fertilizer and pesticide residuals. Use clean water. Do not use soap, bleach or cleaners. Flush thoroughly with water only several times with clean water.**
- 2. Clean all nozzles and screens. Check nozzles for proper spraying and desired pattern and size. Be sure all nozzles of like size are discharging equal amounts of liquid.**
- 3. Run lines, tank, sprayer, and flush all lines, hoses and booms.**
- 4. Check for leaks throughout the system.**
- 5. Calibrate under field conditions.**
- 6. Calibrate sprayer under field conditions.**
- 7. Watch for clogged nozzles and varying output among nozzles.**
- 8. Recheck calculations to confirm your results.**

# RATES, TIMING & APPLICATION DETAILS

## APPLICATION RATES | ALL TURF SPECIES

**IMPORTANT:** SC27 PLUS ORGANIC may be applied thru the drip system. It may also be broadcast sprayed on top of the field. It may also be applied in the transplant water or used in flood irrigation. SC27 PO may also be applied in compost. SC27 PO will rapidly proliferate in water. It is extremely important to get a ratio of 100 to 150 grams per acre out evenly. Your distributor will be able to determine the specific amounts required contingent on your soils current state. SC27 PO can not be mixed with any natural fertilizer or natural bio pesticide.

# RATES, TIMING & APPLICATION DETAILS

## TO BROADCAST SPRAY SC27:

- To Broadcast spray SC27 wettable powder use 50 gallons of water per acre.
- After adding SC27 to 50 gallons of water agitate and mix water thoroughly.
- It is important that the application is sprayed in the late evening or very early morning BEFORE watering.
- It is imperative that after SC27 is applied it is watered in shortly thereafter after to a depth of 1 to 2 inches BELOW current root structures. SC27 must be carried 1 to 2 inches to all established roots.
- It is imperative that for the first 21 days the soil where SC27 TS has been applied is kept moist.
- It is important to apply a minimum of 1 inch of water per week after application to treated areas so as to promote microbial growth in a moist environment.
- DO NOT FLOOD treated area but continually keep growing medium moist for best results.
- SC27 normally works in conjunction with current established watering policies unless water stress techniques are implemented.
- Do not spray SC27 more than 2 feet away from desired inoculation point.



# RATES, TIMING & APPLICATION DETAILS

## NURSERY APPLICATION

- Apply 25-30 grams (1 oz.) SC27 PLUS into 5 gallons of water in clean tank - Mix thoroughly - agitate.
- 5 gallon mixture should be carried in sufficient water to thoroughly moisten 1000 sq ft of planting medium. Only apply AFTER germination and plant roots are a minimum of 1 inch in length.
- OPTIONAL - Mix 500 grams (17.65 ounces) of SC27 PLUS Wettable Powder in to 2 tons (4000 lbs) of soil mix - mix thoroughly.

## FOR DRIP IRRIGATION

- For Drip Irrigation add 100 to 150 grams of SC27 to 50 gallons of water, agitate and mix water thoroughly
- Inject 50 gallons of solution water & distribute 50 gallons of solution to entire acre at a depth of 1 to 3 inches below established root system.

# RATES, TIMING & APPLICATION DETAILS

## TRANSPLANT WATER

- Transplant water spray application. SC27 PLUS can not be mixed with any other fertilizer or pesticide product during layby application. After transplant water is applied it is important to keep soil moisture at optimal conditions for a period of 7 days to promote reproduction.
- Apply 100-150 grams or (5.5 ounces) of SC27 PLUS wettable powder into a clean tank of 50 gallons of water.
- After adding 100-150 grams to 50 gallons of water agitate and mix water thoroughly.

**NOTE:** Cultural Methodologies will vary. Calibration may be adjusted in order to apply appropriate ratios. It is essential to get 150 grams per acre to the soil rhizosphere and bulk soil close to the plant root. This area must be kept moist (not flooded) for a period of 7 days after application. Throughout the cropping period is preferable not to allow soil to reach the wilting threshold point.

# RATES, TIMING & APPLICATION DETAILS

## APPLICATION | CULTURAL PRACTICES

Your first application of SC27 PLUS- Organic is the initial inoculation phase. This phase has a total duration of 45 days. The most critical time for establishment of high microbial populations is the first 15 to 20 days. SC27 will be well established after 21 days. This 45 day process will allow SC27 to expand into the subsoil to a depth of 24" to 36" inches.

## APPLICATION TIMING

Contingent upon the amount of crop cycles and location/climate, SC27 should be applied at various intervals.

SC27 as a standard should be applied no less than 2 times per year (spring & Fall) because of non indigenous strain die off during a 6 month timeframe.

For optimal results in warmer climates once per crop cycle or a quarterly or 90 day application is optimal if budgets allow.

Consult with your distributor to discuss specific conditions should a higher or lower rate be necessary.



THANK YOU ONCE AGAIN FOR MAKING THE  
DECISION TO USE SC27 PLUS ORGANIC  
PLEASE FEEL FREE TO VISIT OUR WEBSITE AT:  
**[WWW.SEPIXA.COM](http://WWW.SEPIXA.COM)** FOR FAQ'S

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