

APPLICATION DIRECTIONS SOIL BALANCE

SOIL BALANCE
Professional
Formulation is a
wetable powder
solution comprised of
62 proprietary, live
microbe strains.

PROFESSIONAL
FORMULATION



SOIL BALANCE
PLANT & SOIL PROBIOTICS

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SOIL BALANCE
PLANT & SOIL PROBIOTICS



SOIL BALANCE PROFESSIONAL FORMULATION

APPLICATION DIRECTIONS



SOIL BALANCE
PLANT & SOIL PROBIOTICS

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- Soil Balance microbes work in hydroponics as well as natural soil systems because all strains live, regenerate and sustain on the roots of plants.
- To achieve elevated levels of terpenoid, flavonoids and phenol expressions apply Soil Balance plant probiotics every 7 to 10 days. Vegetative stage timeframes vary per cultivar. Increased rates advised 2 weeks before flower until harvest. (refer to application chart)
- Soil Balance microbes live on Yucca and Dextrose powder which must be mixed into water thoroughly. Much like adding sugar to lemonade, heavy particles can sink to the bottom of a tank. Therefore we recommend vortex mixing your powder in a 20 liter bucket filled with 8 liters of water to avoid spillage for 10 to 12 minutes prior to adding the newly created solution into your water reservoir or tank.
- It is not possible to harm plants with Soil Balance microbes . However, using over 5 grams per 20 liters of water is not an efficient use of the product.
- The recommended minimum dosage of Soil Balance probiotics is 1 gram (1/4 tsp) to every 40 liters of water. For example, if you use 200 liters of water to fully saturate your plants down to the roots on a full watering, you would use 5 grams (1 1/4 tsp.)
- **APPLICATION EXAMPLE:** If you use 80 liters of water to fully saturate all of your plants utilize the following method. Take a 20 liters bucket and add 8 liters of water. Next, add 2 grams (1/2 tsp) and vortex mix for 10 minutes. Take the 8 liters of newly created solution and combine with the remaining 72 liters of water. Mix the entire 80 liters solution for an additional 3 minutes before fully saturating your plants.
- Soil Balance should be mixed in water as a stand alone application. However, if application with other nutrients must be combined, apply microbes after pH has been adjusted. Soil Balance will not effect pH.
- Do not use systemic fungicides or organic systemic fungicides with Soil Balance. These products kill microbial life. If fungicides are necessary use contact fungicides.

APPLICATION RATES & TIMING

WEEK	GROWTH STAGE	HYDROPONIC/SOIL/SOIL LESS
	SEEDLING / CLONE	0.1 GRAM PER 4 LITERS OF WATER
	VEGETATIVE	0.1 GRAM PER 4 LITERS EVERY 7 TO 10 DAYS
1	START OF FLOWER	0.1 GRAM PER 4 LITERS OF WATER
2	FLOWER	0.1 GRAM PER 4 LITERS OF WATER
3	-	0.1 GRAM PER 4 LITERS OF WATER
4	-	0.1 GRAM PER 4 LITERS OF WATER
5	-	0.1 GRAM PER 4 LITERS OF WATER
6	-	0.1 GRAM PER 4 LITERS OF WATER
7	-	0.1 GRAM PER 4 LITERS OF WATER
8	-	0.1 GRAM PER 4 LITERS OF WATER
9	-	0.1 GRAM PER 4 LITERS OF WATER



SOIL BALANCE
PLANT & SOIL PROBIOTICS



1 GRAM = 1/4 TEASPOON

**1 GRAM OR ¼ TEASPOON
TREATS 40 LITERS OF WATER**

APPROX: 20 liter GROW POT
REQUIRES 4 liters OF SOIL BALANCE SOLUTION
(0.1 gram per 4 liters of water recommended)

**0.1 GRAMS PER 4 LITERS EVERY 7 to 10
DAYS DURING VEGETATIVE STAGE**

1.5 year shelf life after opened. 100% organic, NON GMO
The time for Balance is now. Thank you for your support.
For detailed application directions:

**SoilBalancePro.com or connect
with us at +45 28 19 90 28**

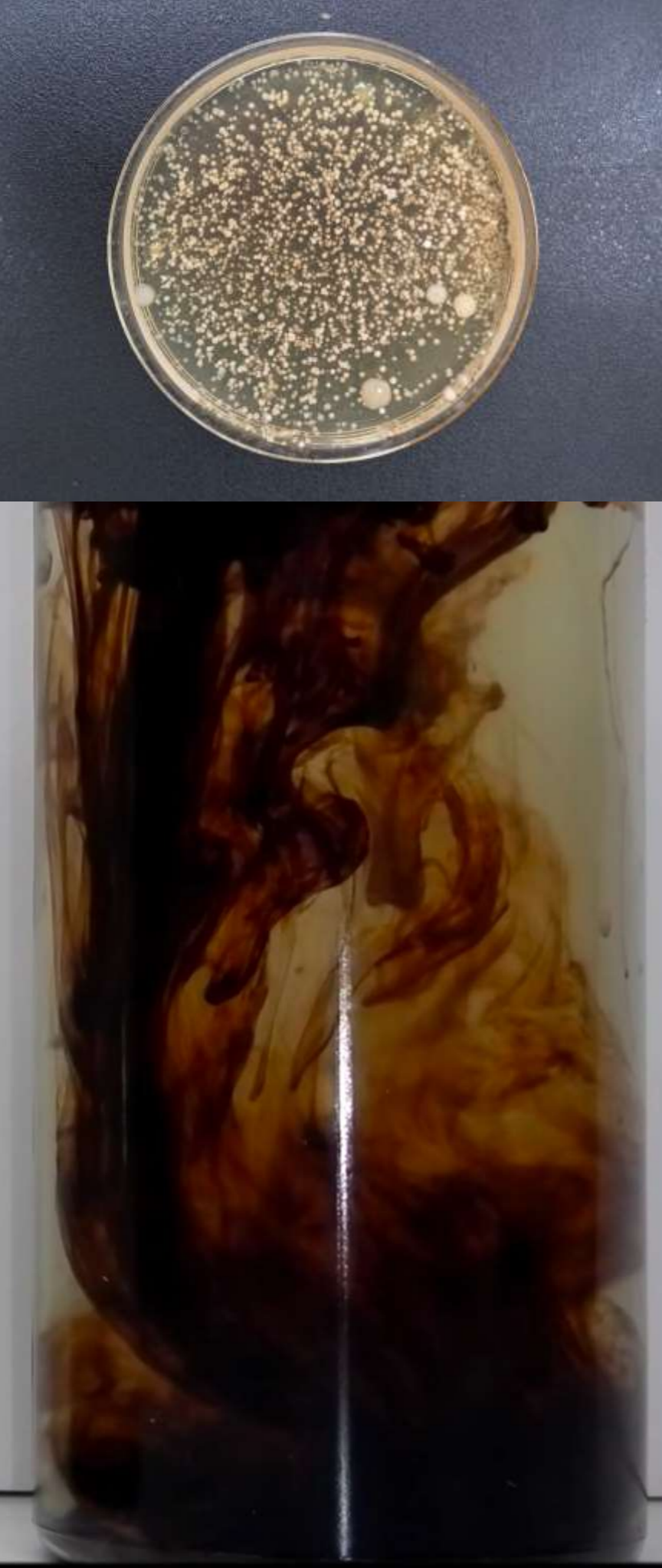
SOIL BALANCE MODE OF ACTION

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Immediately after application, Soil Balance microbes (top left picture) colonize the plant root zone or “rhizosphere”. The microbes will multiply into the trillions on the root in under 48 hours. If small carbon particles are available in the rhizosphere, they will be turned into microscopic insoluble humus particles within 10 to 15 days. We recommend “Microbe farming”. The addition of carbon additives as a food source for microbes will form a more condensed layer or “biofilm” around the root. Once properly colonized on the roots of plants, Soil Balance produces proprietary enzymes, chemicals, hormones and signaling molecules. The microbes found in Soil Balance are “saprophytes” which means they break down carbon and turn it into humus and live on roots. This makes them ideal for hydroponic systems as well as soil systems. This mode of action allows less water to be used and is a major factor in macro/micro nutrient absorption and root biomass increases which result in quality (terpene/flavonoid/phenol) and yield increases.

The addition of BHA, (Brown Humic Acid) that is water “soluble” (bottom left picture) which contains fulvic acid is an initial particle size our microbes can eat. All carbon like molasses, kelp, fish and sea minerals are good to add if possible. The addition of a small carbon particle will increase the speed of our growth and your results. Our goal is to make Soil Balance an affordable tool to serve the stewards of our lands. Using a good carbon source to increase colonization will save you money.

The art of quality will be defined by the level of life you offer your plants.



SOIL BALANCE PROFESSIONAL FORMULATION

TIMING & PESTICIDES

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TIMEFRAMES & PESTICIDES

- SOIL BALANCE (SB) can be applied at any time during the crop cycle to established and new crops. New growth and soil health results will be realized in 7 to 10 days.
- It is always best to apply Soil Balance in a watering with no other amendments
- Soil Balance Pro will not change water pH.
- It is impossible to overdose plants with Soil Balance Pro.

PESTICIDES & IMPORTANT DISCLOSURES

Do not apply systemic fungicides or fumigants while using Soil Balance. If Systemic fungicides or fumigants are needed, re apply Soil Balance after chemical efficacy has reduced (21 days for most systemics). Systemic Fungicides will kill Soil Balance microbes living on plant roots and eliminate product efficacy. If any form of “biocide” is applied or comes in contact with roots, re inoculate after efficacy has dissipated.

Herbicides, insecticides, **contact fungicides (not systemic)** and nematicides may be used 2-5 days before or after applying Soil Balance.

It is recommended that you wash injection tanks with water only (no soap) before adding Soil Balance into spray tanks or injection systems.

TIP

Do not use Systemic fungicides when using SB. Contact fungicides are acceptable. FOR COMPREHENSIVE SOIL AND PLANT HEALTH USE *SOIL BALANCE* ON ENTIRE GROWING AREA.



PRODUCT INFORMATION

ABOUT SOIL BALANCE

1.

- Soil Balance (SB) is 100% organic and contains no GMO's.
- SB has no re entry period.
- SB is a wettable powder formulation comprised of 62 proprietary microbe strains with a comprehensive and integrated mode of action.
- SB has a 1.5 year shelf life after opened.
- Do not leave SB in excessive heat or temperatures over 100 degrees. Do not let freeze
- Store at room temperature.
- After adding SB to a water carrier mix vigorously for 5 to 10 minutes in a vortex.
- SB has been refined for use on hydroponic and artificial medias.
- On a microscopic level, the spacing between soil aggregates in a natural soil environment is very tight. Therefore it is much easier for SB soil microbes to colonize and create webs. In artificial medias and hydroponic growing systems the physics are different and the spacing is much further apart making it much more difficult for our microbes to create webs and build humus. For this reason, SB is our highest concentration to date and formulated with more saprophytic organisms specifically designed to break down un decomposed organic matter in the growing medium and colonize the root faster, higher doses in hydroponics and artificial media are recommended.



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Soil Balance Professional Formulation represents a scientific breakthrough in the field of advanced soil microbiology and soil inoculation.

For Technical Questions contact
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or Call us at 1.866.390.2908



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