



SAUDERS
HARDSCAPE SUPPLY



SHS Distributors
Quality Innovation Service

WIND RIVER
MICROBES™



SOILCARE

It's not magic...it's microbes!

SOILCARE is a naturally derived formulation of beneficial bacteria and fungi, designed to replenish and balance the ecosystem in soils, hydroponics, aeroponics, and aquaponic environments. It is 100% organic, derived from soils, plants, and animals.

Is It Necessary?

Absolutely! Without a balanced ecosystem, the growing environment is weaker, plant roots are less effective at nutrient absorption and cycling, and plants become more susceptible to pathogens, disease, and pests.

How Does It Work?

In simple terms, it's both a "prebiotic" and "probiotic" for plants. **SOILCARE** contains microorganisms that not only feed the indigenous beneficial microbes, but it also replaces necessary bacteria that may be limited or absent.

Microbes are *essential* for optimum plant health and maximized growth. They suppress pathogens, increase nutrient conversion efficiency, increase nutrient absorption, optimize plant health, and increase overall yields.

Active Phylum Distribution

Fungal

Ascomycota.....86%
Basidiomycota.....8%
Mortierellomycota.....6%
Mucoromycota.....<1%

Bacterial

Proteobacteria.....46%
Actinobacteriota.....13%
Gemmatimonadota.....9%
Nitrospirota.....6%
Firmicutes.....5%

Microbes...

Functions:

- Balances ecosystem in the growing media
- Improves fertilizer efficiency
- Promotes optimal plant health
- Tolerance to pH variations
- Reduces harmful pathogens
- Increases soil water-holding capacity
- Increases aeration in compact soils
- Produces enzymes, proteins, and volatile fatty acids
- Inhibits mold and powdery mildew
- Increases nutrient conversion and absorption
- Unleashes aggregate-bound phosphorous
- Improves nitrogen fixation
- Sequesters carbon
- Reduces salinity and breaks down heavy metals in soils
- Improves soil organic matter
- Reduces required inputs
- Softens hardpan and crusting

...and much more!

Applications:

- Easy to administer through ANY type of water delivery, irrigation, or spray applicator
- May be aerosol sprayed
- Cleans drip systems

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SOILCARE

I produce market vegetables and cannabis. Is SoilCare safe to use?

Yes, **SOILCARE** is 100% safe to use and is naturally sourced from plants, soils, and animals.

Does it control mold and insects?

SOILCARE is very effective at eradicating and mitigating various types of mold and powdery mildew. **SOILCARE** contains bacteria that are unattractive to some insects; however, it is neither an insecticide, pesticide nor parasiticide.

Does it contain mycorrhizae?

Yes, **SoilCare** contains both endomycorrhizae and ectomycorrhizae. These fungi are extremely important for sourcing, retrieving, and delivering nutrients to roots.

Is it certified for organic production?

SOILCARE is not OMRI certified. However, the approval process for use only takes a phone call and email. It's fast and simple.



Reduce Inputs



Improved Growth



Combat Pests



Healthier Roots



Water Retention

Applications and Recommended Dosages

APPLICATION	MEDIA	DOSAGE/FREQUENCY
Individual plant	Soil	Mix 1oz (or 2 Tablespoons) per one gallon water and water soil liberally. Apply once every 14 days. Foliar Spray: Mix 1-2oz per one gallon water and spray leaves liberally. Apply 1-2 times per week.
Vegetable gardens & Raised Bed gardens	Soil	Mix 1oz (or 2 Tablespoons) per one gallon water and water soil liberally. Apply once every 14 days. Foliar Spray: Mix 1-2oz per one gallon water and spray leaves liberally. Apply 1-2 times per week.
Large gardens (43,560 sq ft or larger)	Soil	Mix 1-2 gallons with 15-20 gallons water, per each acre of land. Spray soil liberally after tilling, but prior to planting. Repeat treatment in 30 days. Foliar spray: Mix 1/2 gallon per 5 gallons water and spray plants liberally. 1-2 times weekly
Large gardens (43,560 sq ft or larger)	Soil	Mix 1-2 gallons with 15-20 gallons water, per each acre of land. Spray soil liberally after tilling, but prior to planting. Repeat treatment in 30 days. Foliar spray: Mix 1/2 gallon per 5 gallons water and spray plants liberally 1-2 times weekly.
Hydroponics, aquaponics, aeroponics	Water	Add 15-30ml per each gallon water in reservoir. Repeat once every 3 weeks, or each time reservoir is emptied.
Lawn	Soil	Mix 1-2 gallons with 20 gallons water and spray liberally. Use every 2-3 months, or as needed.

Storage: For full product shelf life, store at 45-85°F. KEEP OUT of direct sunlight. DO NOT freeze. **Safety:** The microorganisms used in this product are not likely to cause illness to healthy humans. Not recommended for human consumption. Personal protection equipment (PPE) may or may not be used by applicator. It is not necessary to remove pets or livestock when applying.