SOIL SET®

Microbial fermentation technology for improved soil vitality and productivity.

For a crop to reach its full genetic potential, a healthy soil environment is fundamental, and any imbalances could hinder performance and profitability all season long.

Alltech Crop Science solutions for soil health and recovery are the result of advanced research in specific bacterial metabolites and enzymatic compounds. These technologies foster the development of beneficial microbes, breakdown residual plant material, increase the availability of nutrients and enhance root growth.

Backed by plant ***nutrigenomic*** *research*

SOIL-SET includes specific bacterial metabolites and natural enzymatic compounds that aid in strong root development, nutrient availability and plant growth while promoting residue breakdown and beneficial microbial populations.

- Improves residue breakdown and soil organic matter.
- Supports balanced soils to help plants thrive under stressful conditions.
- Helps optimize soil microbial populations.
- Increases root growth, nutrient availability and uptake.
- OMRI Listed for use in organic crop production.

GUARANTEED ANALYSIS

Copper (Cu)	2.0%
Iron (Fe)	1.6%
Manganese (Mn)	0.8%
Zinc (Zn)	3.2%

Derived from copper sulfate, iron sulfate, manganese sulfate and zinc sulfate

Also contains:

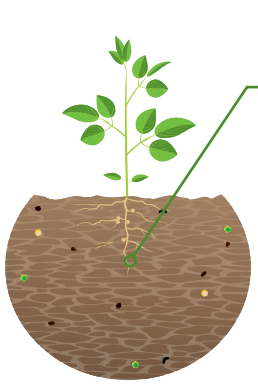
Bacterial fermentation media (microbial food)
Plant extract (surfactant)

Beneficial microbes and the metabolites they naturally produce can offer new, naturally derived alternatives to conventional chemicals. These products allow for consistent, sustainable crop production that doesn't compromise quality or profitability.

Alltech is a pioneer in nutrigenomics, the study of how plants naturally respond to nutrients and other bioactive compounds at a genetic level. This enables us to formulate fertilizers and biostimulants that activate natural plant mechanisms, optimizing plant health and performance for better quality and greater yields.

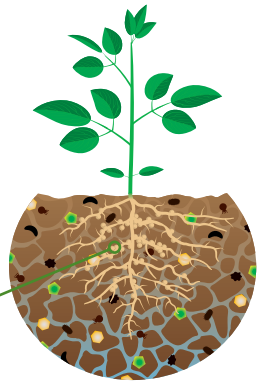
Benefits of optimized microbial communities

Robust communities of beneficial soil microbes are essential to soil productivity, substantially reducing or eliminating viable pathogens and weed seeds, rapidly breaking down plant residues, improving soil carbon and pH, and providing plants with available nutrients throughout the entire growing season.



Poor soil management can result in degradation, nutrient depletion, and favorable environments for pathogens.

Healthy soils have a balanced profile, including a robust population of beneficial microbes, balanced pH, and readily-available moisture and nutrients.



SOIL-SET *recommendations for use*

Always read and follow label directions.

Crop		Soil application
FORAGES & ROW CROPS	Alfalfa, Pastures	16 oz/acre at spring green-up before 1st cutting. Repeat after 3rd cutting.
	Corn, Soy, Cereals, Small grains, Cotton	10 oz/acre in furrow or 16 oz/acre broadcast pre-plant or at planting.
	Rice, Sorghum	16 oz/acre broadcast pre-plant or at planting.
FRUITS & NUTS	Avocado	16–32 oz/acre at transplant. Repeat post-harvest.
	Citrus Fruits	16-32 oz/acre at first spring flush, petal drop, fruit development and post-harvest.
	Deciduous nut trees	***New planting:*** 16–32 oz/acre at rootstock transplant. Repeat every 45–60 days. ***Established orchards:*** 16–32 oz/acre post-harvest. Repeat in early spring.
	Grapes (table, wine, raisin)	***New planting:*** 16–32 oz/acre at rootstock transplant. Repeat every 45–60 days. ***Established vines:*** 16–32 oz/acre post-harvest. Repeat in early spring.
	Kiwi	16–32 oz/acre at transplant via drip irrigation or transplant water. Repeat 16 oz/acre every 30–34 days.
	Pome fruits	16 oz/acre in early May/tight cluster. Repeat at bloom, again at 1st cover, and finally in early August.
	Stone fruits	16-32 oz/acre at transplant. Repeat every 30-45 days during growing season.
VEGETABLES	Bulb crops	10 oz/acre in furrow or 16 oz/acre broadcast pre-plant or at planting.
	Cole & Cucurbits	16-32 oz/acre at transplant via drip irrigation, transplant water or broadcast.
	Flower and Fruiting Vegetables	16-32 oz/acre at transplant via drench or irrigation. Repeat 16 oz/acre every 45-60 days during growing season.
	Leafy greens	16-32 oz/acre at planting via irrigation or broadcast.
	Legume crops	10 oz/acre in furrow or 16 oz/acre broadcast pre-plant or at planting.
	Potatoes	16 oz/acre in furrow at planting or preemergence.
	Root crops	16 oz/acre soil applied at seeding, or at transplant via drench or through irrigation.
	Sweet potatoes	16-32 oz/acre at transplant via drip irrigation, transplant water or broadcast. Repeat 16 oz/acre every 45-60 days.
	Turfgrass	16 oz/acre at establishment. Repeat every 45-60 days during the growing season.

Contact your local Alltech Crop Science specialist for more information.

Alltech® CROP SCIENCE

ALLTECHCROPSCIENCE.COM

SOIL-SET is OMRI Listed in the USA for use in organic crop production by Improcrop USA. Must not be used as a defoliant, herbicide, or desiccant. Micronutrient deficiency must be documented by soil or tissue testing or other documented and verifiable method as approved by a certifying agent.