



HARVEST YOUR POTENTIAL





GLOBAL LEADER IN BIOTECHNOLOGIES

Our Microbes

AquaClean products are all natural, organic, bacteria-based formulations developed to transform the best farming practices of our global food producers. Through years of research, we have been able to culture specific bacteria species for a wide range of applications. Our techniques allow us to grow, stabilize, and blend individual strains into biologically active products.

ACF-SF **delivers** a diverse spectrum of Plant Growth Promoting Bacteria (PGPB) that can be either delivered in Ready-to-Use bottles with a 2-year shelf life, or cultured on-site for an enhanced, super concentrated, biologically active formula at an affordable cost.

Most bacterial products focus primarily on basic bacillus and pseudomonas strains, while our blend of bacteria includes a selection of the most effective PGPB, with greater capabilities and benefits.

Dilute with Tap Water Prior to Application

In nearly all situations, dilute ACF-SF with as much tap water as needed to obtain good coverage of soil or foliage. When applying directly to soil, the extra dilution water helps the product penetrate the upper soil and reach the root zone, where the probiotic bacteria are needed the most!

SF	MICROBES
✓	Rhodopseudomonas palustris Enhances soil bio activity & nitrogen fixation
✓	Nitrosomonas europaea Converts ammonia to nitrite & solubilizes phosphates
✓	Nitrobacter winogradskyi Converts nitrite to nitrate & solubilizes phosphates
✓	Bacillus subtilis Solubilizes phosphates & siderophore production
✓	Bacillus amyloliquefaciens A root-colonizing biocontrol bacteria used to fight plant root pathogens in agriculture, aquaculture and hydroponics
✓	Bacillus licheniformis Enhances soil bio activity & provides plant growth hormones
	Humic Acid Stimulates bio-activity in soil, enhances root development, and speeds up germination

Advanced, All Natural, Organic Soil Enhancement.

CROP TREATMENT

Large-Scale Treatment

Many bacterial products have a culture count of only 5 million cfu/mL, with a limited variety of bacteria species, making large-scale applications impractical.

Our patented brewing process creates an optimal environment for our bacteria species to reproduce and generate enzymes targeted to the specific needs of the application. It also dramatically reduces cost while maintaining potency.



This brewing process is extremely simple and can be done on-site using our brewing facilities. Brewing produces a beneficial blend of bacteria at super high concentrations, lowering input costs, while drastically improving crop and soil health.

“ In the forty years we have been producing oranges and mandarins, we have refined our process to grow the best quality citrus fruit possible. Having said that, when we used ACF-SF and ACF-SF+ we realized a significant increase in crop yield of 30%, while also increasing the percentage of fruit that was US#1 Quality in terms of appearance, homogeneity in size, and general health - no blemishes. Overall, this was the single best harvest we have ever seen, and the only difference was using ACF-SF ”
—M&G Farms in California

Small-Scale Treatment

Our beneficial microbes have been blended and stabilized in bottle, with a 2-year shelf life for small-scale applications.

Many greenhouse, hydroponic, garden, orchard, and turf operations have benefitted from our concentrated, ready-to-use ACF-SF .

Application

ACF-SF is ideal for enhancing growth in turf, house plants, outdoor garden plants, and commercial aquaculture.

Please consult our dose sheet for dose procedures for your specific application.

As noted, mixing ACF-SF with dilution water prior to application helps ensure good coverage, and helps deliver the probiotic effect to the root zone, where ACF-SF is most beneficial.

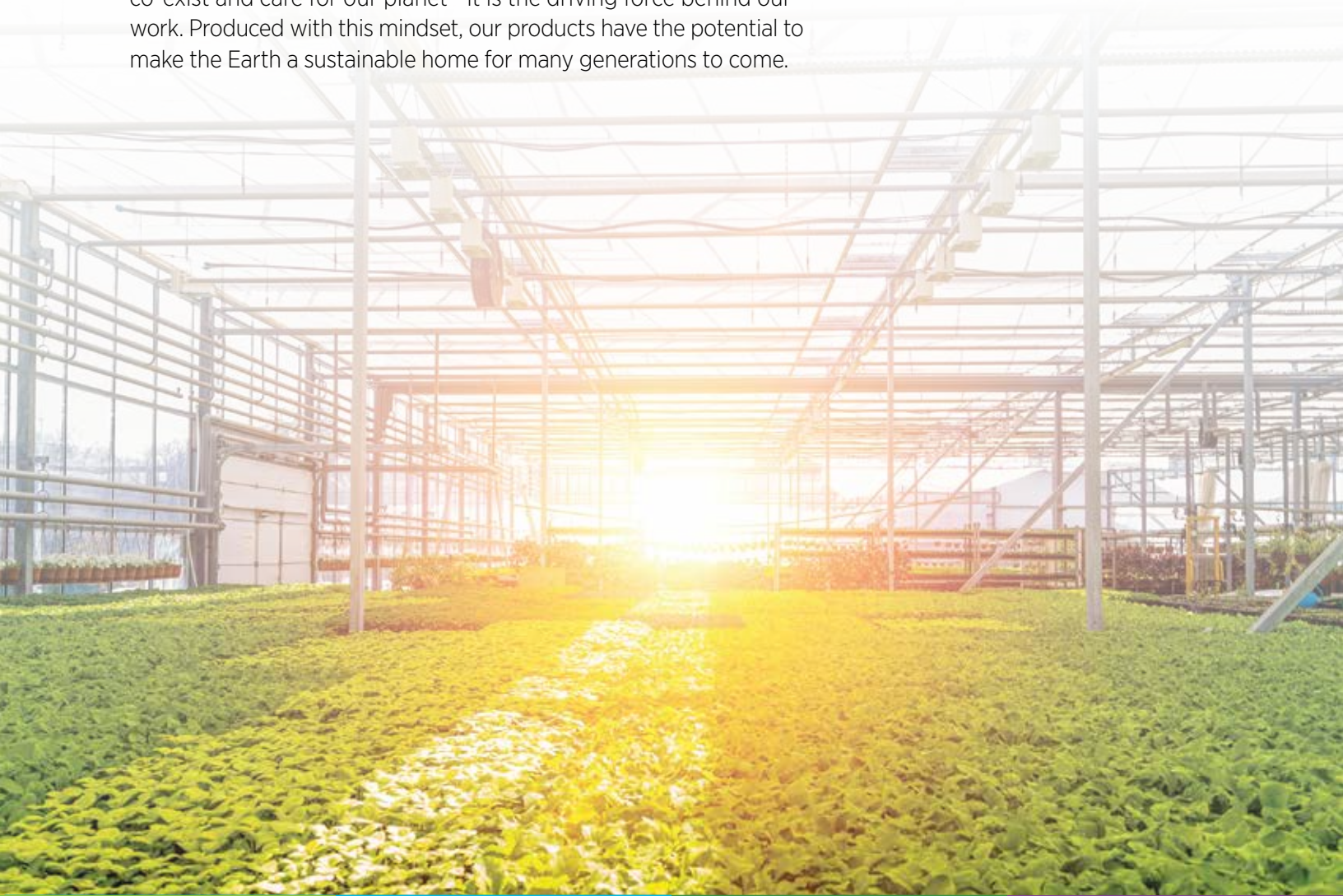


ACF-SF for a Better Planet

BluePlanet Labs, manufacturers of ACF SF, is an environmentally sustainable biosolutions company with innovative technology addressing key issues in agriculture, aquaculture, wastewater treatment and environmental remediation.

Since 2003, our team of biosolutions professionals has been dedicated to overcoming what we see as two of the world's largest challenges: unsustainable food production and poor environmental conservation. Through the development and production of breakthrough bacterial formulations, we enhance natural life cycles to address these life-threatening problems organically and efficiently.

We believe in making meaningful changes to the way we must co-exist and care for our planet—it is the driving force behind our work. Produced with this mindset, our products have the potential to make the Earth a sustainable home for many generations to come.



15752 Industrial Parkway Cleveland, OH 44135
www.blueplanetlabs.com | www.tlc-products.com