



AdvancedAG

ACF-SR

Plant Growth Promoting Bacteria

ACF-SR delivers a broad spectrum of beneficial soil bacteria to enhance plant and root growth while drastically improving soil structure/health.

ACF-SR can be brewed days before application for a super concentrated, live dose at an affordable cost.

SPECIES AND FUNCTIONS

**Rhodopseudomonas
palustris**

Enhances soil bio activity & nitrogen fixation

**Bacillus
licheniformis**

Enhances soil bioactivity & provides plant growth hormones

**Nitrosomonas
europaea**

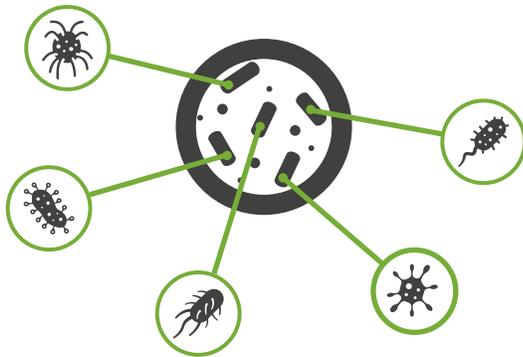
Converts ammonia to nitrate & solubilizes phosphates

**Nitrobacter
winogradskyi**

Converts nitrite to nitrate & solubilizes phosphates

**Bacillus
subtilis**

Solubilizes phosphates & siderophore production



ACF-SR

RECOMMENDED APPLICATION RATES

Dryland Crops

2 - 3 total gallons/acre of brewed ACF-SR
2 gallons applied to the soil at seeding time and 1 gallon foliar applied 4 - 6 weeks later

Irrigated Crops

2 - 4 total gallons/acre of brewed ACF-SR
2 gallons applied to the soil at seeding time and 2 gallons foliar applied 3 - 4 weeks later

High Value Crops

4 - 10 total gallons/acre of brewed ACF-SR
2 - 4 gallons applied to the soil at seeding time and foliar applying as needed throughout the growing season

Greenhouse/Hydroponic Crops

3 - 8 ounces for every gallon of water during watering

Apply ACF-SR during the early morning or evening to avoid high UV reaction with the bacteria. Diluting with 5-10 parts dechlorinated water is recommended for ease of application.

Do not mix with fungicides, herbicides, pesticides or other toxic chemicals. If mixing with compatible products, always add ACF-SR to the tank last and keep contact time as short as possible.

Contact an AdvancedAG Advisor or distributor for questions or custom application rates.

BREWING

**Only use equipment supplied by AdvancedAG or an AdvancedAG distributor*

Make sure any tank used for brewing or storage has been thoroughly cleaned or sanitized. It is highly recommended to use a tank that has never contained any harmful chemicals.

Fill tank with dechlorinated water. If using treated water, AdvancedAG will supply the necessary products to remove the chlorine out of the water. Do not use water that has a pH over 9.

**Consult with an AdvancedAG Advisor or distributor on use of the heater/aerator.*

Generally, combine both 2.5 gallon ACF-SR liquid components and ACF-Base Nutrient into 250 gallons of dechlorinated 25 - 29°C water. Aerate for 24 - 72 hours before applying as soil amendment.

Once brewed, apply ACF-SR as soon as possible, but absolutely within 14 days. 250 gallons can be applied to 50 - 250 acres of crop depending on the recommended application rates outlined by an AdvancedAG Advisor or distributor.

STORAGE & HANDLING

ACF-SR contains live microorganisms. Contact an AdvancedAG Advisor or distributor before mixing with any other products.

Store ACF-SR out of direct sunlight. DO NOT FREEZE. Use of rubber gloves and eye protection is recommended. Do not permit contact with open wounds and do not ingest. Spilled ACF-SR is safe to put in a drain or sewer. Wash spilled area with water.

DISCLAIMER

AdvancedAG and its distributors accept no responsibility or liability for losses, damages or injuries with the use of their Bio Products and/or supplied equipment. Storage, brewing processes, mixing and application are the Buyer's responsibility once the Bio Products are delivered or picked up. Always consult with an AdvancedAG Advisor or distributor before using the supplied Bio Products or equipment.