



HIGH PERFORMING CROP CARE PRODUCTS



HIGH PERFORMANCE ● INNOVATIVE ● HIGH QUALITY ● ECONOMICAL

ABOUT AGF

The Company was created to help the farmers meet challenges while carrying out organic farming. Real life product solutions have been created to meet these difficulties that help in increasing the profitability of farmers. There is a Cost of reduction in production and increase in Yield and Quality for the farmers, while ensuring conservation of natural resources.

Along with usage of these high performing products, the farmers are well advised to embrace ecological practices like Permaculture, Organic package of Practices, Biomimicry etc to maximise their incomes.



Higher Yield



Conservation



Better Quality



Higher Income



WHY AGF?

1. All microbial products have highest population of microbes. Leads to better efficacy.
2. System driven quality control for all products. Each shipment is sent with a COA.
3. In house R&D ensures Continuous Improvement in Products (CIP) along with innovative products to address all crop issues.

AGF-GRO™-SEED

Improves germination and prevents fungal diseases.

Composition: Lactobacillus spp, Yeast spp, Bificiobacterium spp

Composition: 5 x 10⁹ cfu/ml

Application Procedure

[1 LITRE]

1. Dilute a capful of AGF-GRO™- Seed Guard in a mug of water or 10 capfuls in a bucket (20 litres) of water for seed treatment.
2. After dilution, kindly soak the seed. Time duration of soaking are as follows:

Application Procedure

[100 ML]

1. Dilute 100ml of AGF-GRO™- Seed Guard in 20 litres of water for seed treatment.
2. After dilution, kindly soak the seed. Time duration of soaking are as follows:

Size and Type of seed/sapling	Time Duration
Small seed (like Mustard, Chillies)	20-30 minutes
Mid sized seed (like Cucumber)	30-40 minutes
Large seed (like Watermelon)	2-3 hours
Ginger, Turmeric	20-30 minutes
Paddy	Overnight



AGF-GRO™-SW

Converts organic waste into compost in 35-40 days.

Composition: Lactobacillus spp, Streptococcus spp, Lactococcus spp, Saccharomyces cerevisiae, Rhodobacter spp, Rhodopseudomonas spp, Bacillus spp

Composition: 7 x 10⁹ cfu/ml

Benefits:

1. Produces nutrient-rich compost.
2. Suppresses odours and pests.
3. Compost can be made even without cow dung.
4. Can be used for industrial as well as agricultural composting.

Application Procedure

[1 LITRE]

Dilute in 1:200 ratio (5ml in 1 litre) water; apply to bio-waste or organic waste.

Application Procedure

[100 ML]

Dilute in 1:200 ratio (5ml in 1 litre) water; apply to bio-waste or organic waste.



AGF-GRO™-NPK

Enhances nitrogen, potassium, and phosphorus availability.

Composition: Azotobacter: 1×10^8 cfu/ml
Azospirillum: 1×10^8 cfu/ml
PSB: 1×10^8 cfu/ml
KSB: 1×10^8 cfu/ml

Benefits:

1. Increases soil nutrient availability.
2. Reduces water consumption.
3. Lowers chemical fertilizer use.
4. Safe and non-toxic.

Application Procedure

[1 LITRE]

1. Mix 1 litre in 500kg organic manure; apply during field preparation or to standing crops twice per season.
2. For drip or furrow application, mix 1 litre in 100-150 litre water per acre.

Application Procedure

[100 ML]

1. Mix 100ml in 50kg organic manure; apply during field preparation or to standing crops twice per season.
2. For drip or furrow application, mix 100ml in 10-15 litres water per 4356 sq ft.



AGF-GRO™-PB

Solubilizes phosphorus, enhancing soil fertility

Composition: Bacillus coagulans

Composition: 3×10^9 cfu/ml

Benefits:

1. Makes phosphate available to crops in sufficient quantities and improves soil fertility
2. Improves seed germination and nitrogen fixation.

Application Procedure

[1 LITRE]

1. **Seed Treatment**-Mix 200-250ml in 3 litres of water
-Soak seeds in solution, then shade dry before sowing.
2. **Soil Application**-1 litre in 100kg organic manure/ neem manure.
-Use mixture near roots and then drench with water.
-Mix o Mix 1 litre in 100 litres of water and apply at root zone through drenching.
3. Can be used on all maize, millet, and paddy crops

Application Procedure

[100 ML]

1. **Seed Treatment** -Mix 100ml in 1500ml water
-Soak seeds in solution, then shade dry before sowing.
2. **Soil Application** -Mix 100ml in 10 kg organic manure/ neem manure.
-Use mixture near roots and then drench with water.
-Mix 100ml in 20-30 litres of water and apply at root zone through drenching
3. Can be used on all maize, millet, and paddy crops



AGF-GRO™-AB

Enhances soil fertility and stimulates plant growth by increasing nitrogen fixation.

Composition: Azotobacter chroococcum

Potency: 2×10^9 cfu/ml

Benefits:

1. Produces phytohormones to stimulate plant growth.
2. Improves crop nutrition through seed inoculation.

Application Procedure

[1 LITRE]

1. **Seed Treatment:** Mix 200-250ml in 1 litre water. Soak the seeds in this solution. Kindly shade dry before sowing.
2. **Soil Application-** Mix 1 litre in 50kg organic manure / neem manure. Use mixture in 1 acre near the roots and then drench with water.
-Mix 100ml of in 15 litres of water. Apply the mixture at root zone of plants.
3. Can be used on all cereals and horticulture crops.

Application Procedure

[100 ML]

1. **Seed Treatment:** Mix 100ml in 500ml water. Soak the seeds in this solution. Kindly shade dry before sowing.
2. **Soil Application** -Mix 100ml in 500gm organic manure/ neem manure. Use mixture in 1 acre near the roots and then drench with water.
-Mix 100ml of in 15 litres of water. Apply the mixture at root zone of plants.
3. Can be used on all cereals and horticulture crops.



AGF-GRO™-AG

Enhances nutrient availability and plant growth.

Composition: Lactobacillus sps, Saccharomyces sps, Rhodobacter sps, Rhodopseudomonas sps, Bacillus species and other beneficial microbes.

Composition: 6×10^9 cfu/ml

Benefits:

1. Increases soil nutrient availability.
2. Reduces water consumption.
3. Lowers chemical fertilizer use.
4. Safe and non-toxic.

Application Procedure

[1 LITRE]

1. Dilute 1 litre in 200 litres of water or 10 capfuls in 20 litres of water.
2. **Spray:** Wet soil and leaves; repeat every 10 days, starting from the nursery stage.
3. **Drip Irrigation:** Use the same dilution ratio.
4. **Flood Irrigation:** Puncture the cap, invert the bottle, & let it drip into the irrigation channel.

Application Procedure

[100 ML]

1. Dilute 100ML in 20 litres of water or 10 capfuls in 20 litres of water.
2. **Spray:** Wet soil and leaves; repeat every 10 days, starting from the nursery stage.
3. **Drip Irrigation:** Use the same dilution ratio.
4. **Flood Irrigation:** Puncture the cap, invert the bottle, & let it drip into the irrigation channel.



AGF-GRO™-AS

Promotes lateral roots growth thereby increasing mineral uptake

Composition: Azospirillum lipoferum

Potency: 2×10^9 cfu/ml

Benefits:

1. Enhances mineral uptake and soil fertility.
2. Promotes root growth and protects from stress.
3. Protects roots from drought, flooding.
4. Resists attack by pathogens hence reduces plant

Application Procedure

[1 LITRE]

1. **Seed Treatment:** Mix 200-250ml in 1 litre water. Soak the seeds in this solution. Kindly shade dry before sowing.
2. **Soil Application:** Mix 1 litre in 50kg organic manure /neem manure. Use mixture in 1 acre near roots and then drench with water.
3. Can be used on all millet, maize, paddy crops

Application Procedure

[100 ML]

1. **Seed Treatment:** Mix 100 ml in 500ml water. Soak the seeds in this solution. Kindly shade dry before sowing.
2. **Soil Application:** Mix 100ml in 500gm organic manure/ neem manure. Use mixture in 1 acre near roots and then drench with water.
3. Can be used on all millet, maize, paddy crops



AGF-GRO™-KB

Solubilizes potassium-bearing minerals for plant uptake, improving crop yield.

Composition: Frateuria aurantia

Composition: 3×10^9 cfu/ml

Benefits:

1. Makes potassium available to crops in sufficient quantities
2. Enhances seed germination percentage
3. Increases root and shoot biomass.
4. Improves water and disease resistance.

Application Procedure

[1 LITRE]

1. **Seed Treatment**-Mix 5-10ml in 1 litre of water. Soak seeds in solution, then shade dry before sowing.
2. **Soil Application** -Mix 1 litre in 100kg organic manure/ neem manure. Use mixture in 1 acre near roots and then drench with water.
-Mix 500ml in 100-150 litres of water and apply at root zone through drenching
3. Can be used on all types of crops, cereals, pulses, oil seeds & vegetables

Application Procedure

[100 ML]

1. **Seed Treatment**-Mix 5-10ml in 1 litre of water. Soak seeds in solution, then shade dry before sowing.
2. **Soil Application**-Mix 1 litre in 100kg organic manure/ neem manure. Use mixture in 1 acre near roots and then drench with water.
-Mix 500ml in 100-150 litres of water and apply at root zone through drenching
3. Can be used on all types of crops, cereals, pulses, oil seeds & vegetables



AGF-GRO™-RHIZO

Improves plant growth by fixing atmospheric nitrogen by using Rhizobium

Composition: Rhizobium

Potency: 2×10^9 cfu/ml

Benefits:

1. Increases crop yield and soil fertility.
2. Reduces fertilizer dependence.
3. Improves plant and vegetable growth by fixing atmospheric nitrogen.

Application Procedure

[1 LITRE]

1. Mix 1 litre in 500 kg Farm Yard manure. Apply mixture in 1 acre near the roots & there after drench with water.
2. Can be used on all leguminous crops and oil crops like mustard, soy bean, rapeseed etc.

Application Procedure

[100 ML]

1. Mix 100ml in 50kg Farm Yard manure. Apply mixture in 1 acre near the roots & there after drench with water.
2. Can be used on all leguminous crops and oil crops like mustard, soy bean, rapeseed etc.



AGF-ECOBUG™-TRICHO

Trichoderma viride 1.5% W.P (2×10^6 - 10^8 cfu/gm)
Biological fungicide for controlling soil and seed-borne pathogens.

Benefits:

1. Protects against Fusarium oxysporium, Rhizoctonia solani, Sclerotium rolfsii.
2. Effective against wide variety of seed and soil borne plant pathogenic fungi.
3. Enhances root growth and resistance.
4. Controls fungal diseases in ginger, turmeric, chilli seedlings, rice, banana, tomato, chickpea, groundnut & all vegetable crops.
5. Helps to control soft rot, wilt, leaf spot & blight in ginger and turmeric.
6. Helps to control fungal diseases like leaf spot, powdery mildew, soft rot and damping off in chilli seedlings.

Application Procedure

1. Soil Treatment

-In Manure: Add 1 kg to 500 kg of Cow dung manure, Neem Cake or Castor Cake and spread uniformly over one acre of land near plant roots.

-In Water: Add 1 kg to 200 litres of water, fill the mixture in a spray container and spray near the roots over one acre of land. It should be applied 15 days after sowing the seeds and 60 days before harvesting of crop.

-AGF-ECOBUG™ -Tricho should always be used in moist soil.

-Use the whole packet once it is opened.

2. Seed Treatment: Mix 6-10 gm of the powder per kg of seed before sowing



AGF-GRO™-HA

Improves nutrient uptake and plant resilience.

Composition: Bioactive humic & fulvic substances

Potency: 7×10^9 cfu/ml

Benefits:

1. Enhances root vitality and chlorophyll synthesis.
2. Increases drought and frost resistance.
3. Can be used on all fruits, vegetables, root crops, citrus crops, small grains, shrubs, trees, grass

Application Procedure

[1 LITRE]

1. Soil Application: Dilute 1 litre in 200-250 litres water; apply to 1 acre.
2. Foliar Spray: Dilute 2-3ml in 1 litre water; spray on leaves.

Application Procedure

[100 ML]

1. Soil Application: Dilute 100ml in 20 litres water; apply to 1 acre.
2. Foliar Spray: Dilute 2-3ml in 1 litre water; spray on leaves.



AGF-ECOBUG™-1500 PPM

AGF-ECOBUG™-1500 PPM is A pest control agent for white fly, bollworm, thrips, stem borer, brown plant hopper, and leaf folder.

Benefits:

1. Curative and protective for a range of insects.
2. Pests don't develop resistance.
3. Safe for beneficial insects and bees.
4. Ideal for organic farming and IPM.
5. 100% safe with no residual effect.

Application Procedure

[1 LITRE]

1. Dilute 1 litre in 200 litres of water.
2. Wet both sides of leaves and drench soil.
3. Spray every 10 days from germination.
4. For severe pest attacks, use daily for 15 days, then continue every 10 days.

Application Procedure

[100 ML]

1. Dilute 15ml (1 cap) in 3 litres of water.
2. Wet both sides of leaves and drench soil.
3. Spray every 10 days from germination.
4. For severe pest attacks, use daily for 15 days, then continue every 10 days.



AGF-ECOBUG™-300 PPM

Neem oil-based fungicide for fungal diseases like Anthracnose, Downy mildew, and Powdery mildew.

Benefits:

1. Curative and protective for fungal and bacterial diseases.
2. Prevents fungal infections in high humidity.
3. Safe for beneficial insects and bees.
4. Suitable for organic farming and IPM.

Application Procedure

[1 LITRE]

1. Dilute 1 litre in 200 litres of water.
2. Wet leaves and drench soil.
3. Spray once every 10 days from germination.
4. For severe infections, use daily for 15 days, then continue once in every 10 days, days after fungal infection is under control.

Application Procedure

[100 ML]

1. Dilute 15ml (1 cap) in 3 litres of water.
2. Wet leaves and drench soil.
3. Spray once every 10 days from germination.
4. For severe infections, use daily for 15 days, then continue once in every 10 days, days after fungal infection is under control.



AGF-ECOBUG™-BB

Controls various pests such as aphids, mealy bugs, grasshoppers, mites, termites, beetles, white grubs and whiteflies.

Benefits:

1. Reduces chemical pesticide use.
2. Can be used on any crops

Application Procedure

1. Apply as a preventive measure from the start of the season.
2. Start foliar applications at the beginning of the season, when you receive the plants, or on cuttings before pests first appear. You can even do soakings.
3. Apply in the late afternoon, in evening or on a rainy day.
4. Maintain relative humidity at 60% or higher during foliar applications.
5. Application temperature: 18 to 29 °C.
6. Use the right container: It is very important to premix in a hermetically sealed container.



AGF-GRO™-MC

Enhances soil structure and plant resilience.

Benefits:

1. Increases plant growth by inducing root development.
2. Improves general soil condition by enhancing soil structure.
3. Improved uptake of Phosphorous and other micronutrients.
4. Provides resistance against draught & salinity.
5. Reduces the usage of Phosphate and Nitrogen fertilizer by 30-40%

Application Procedure

AGF-GRO™-MC can be applied by using one of following methods:

- 1. Seed Treatment:** Prepare a paste of 500gm/acre of AGF-GRO™ -MC with water. Mix thoroughly with seed & shade dry it for 1 hour before sowing the treated seed.
- 2. Seedlings Treatment:** Mix 100gm of AGF-GRO™-MC per 1 litre of water. Then dip the seedlings in this solution for about 30 minutes before transplanting.
- 3. Soil Application:** Mix 500gm/acre of AGF-GRO™ -MC in 150-200 kg of well decomposed FYM/-compost/ vermicompost/ field soil and broadcast in the field before sowing or broadcast up to 45 days after sowing in standing crop and irrigate the field.
- 4. Drip Irrigation:** 500gm/acre of AGF-GRO™-MC in 150-200 litres of water and irrigate the field through drip irrigation.



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