

RS Series

PGPR EM BOOSTER

LIQUID BIO FERTILIZER

Composition: Total PGPR Min 1.00×10^8 CFU/ml

PGPR EM Booster is a liquid based biofertilizer formulation comprising of a cocktail of plant growth promoting rhizobacteria (PGPR). These include free-living, associative, and symbiotic N-fixing bacteria, P-solubilizing bacteria, K-mobilizing bacteria, siderophore producing bacteria, growth hormone producing bacteria as well as bacteria that can improve plant immunity.

PGPR EM Booster 是一种液态配方生物肥料，富含一系列植物生长促进根际细菌混合剂 (PGPR)。其中包括自生型的、联合型的和共生型的固氮菌、溶磷菌、解钾菌、铁载体生产细菌、植物激素生产菌以及能够改善植物免疫力的细菌群。



IMPROVE

Plant Growth and Soil Fertility

Function of PGPR EM BOOSTER

PGPR EM BOOSTER 功能

N-fixing bacteria

Convert atmospheric N into ammonia which can then be converted into nitrate for plants to uptake.

固氮菌

将空气中的氮气转化为氨，再转化为硝酸盐供植物吸收。

P-solubilizing bacteria

Releases locked phosphate and/or insoluble phosphate through the production of mild organic acids and phosphatase enzymes.

溶磷菌

通过产生有机酸和磷酸酶释放被锁着的磷酸盐和/或不溶性磷酸盐。

K-mobilizing bacteria

Releases locked potassium and/or insoluble mineral potassium through the production of mild organic acids.

解钾菌

通过产生有机酸释放锁着的钾和/或不溶性矿物钾。

Siderophore producing bacteria

Produces siderophores that help bind with micronutrients such as Fe, Mo, Mn, Co, and Ni for easier uptake by plants.

铁载体生产菌

产生铁载体，有助于与铁、钼、锰、钴和镍等微量营养元素结合，从而更容易被植物吸收。

Growth hormone producing bacteria

Produces hormones such as auxin, gibberellin and cytokinin to improve cell division and differentiation for better growth.

植物激素生产菌

分泌生长素、赤霉素和细胞分裂素等激素，以促进细胞分裂和分化，从而实现更好的生长。

Immune system boosting bacteria

Stimulates plants to produce natural metabolites to boost its immunity against diseases.

免疫系统增强细菌

刺激植物产生天然代谢物，以增强植株对疾病的免疫力。

Application Method 应用方法

Crop 作物	Function 功效	Method 方法	Dilution rate 兑水率	Requirement /ha after dilution 兑水后每公顷用量
Durian Tree 榴莲	1) Maintain balance of soil bio diversity 2) Reduce the disease 3) Promoting growth 1) 维持土壤生态平衡 2) 减少病害 3) 促进成长	Apply during raining Season Apply After Harvesting 雨季时喷洒 采收后使用	20 ml in 10L water 20cc 兑10公升水	5 L/tree 每棵5公升
Oil Palm 油棕	1) Maintain balance of soil bio diversity 2) Improve the chemical fertilizer efficiency 1) 维持土壤生态平衡 2) 增强化肥吸收	Every 6month once 每6个月一次	20 ml in 10L water 20cc 兑10公升水	2 L/tree 每棵2公升
Paddy 水稻	1) Improve vegetative growth 2) Improve yield 1) 促进作物生长 2) 提高产量	1st spray: During land preparation 2nd spray: 20 – 25 days after planting 第一轮: 犁地期间 第二轮: 插秧后20-25天	125 ml in 10 L water 125cc 兑10公升水	80 L/Ha 每公顷80公升
Leafy vegetables 叶菜	1) Improve vegetative growth 2) Improve yield 1) 促进作物生长 2) 提高产量	1st spray: During land preparation 2nd spray: 7 – 10 days after planting 第一轮: 犁地期间 第二轮: 插秧后7-10天	125 ml in 10 L water 125cc 兑10公升水	80 L/Ha 每公顷80公升
Fruiting vegetables 蔬果	1) Improve vegetative growth 2) Improve yield 1) 促进作物生长 2) 提高产量	1st spray: During land preparation Repeat every month 第一轮: 犁地期间 种植后每个月喷洒一次	125 ml in 10 L water 125cc 兑10公升水	80 L/Ha 每公顷80公升
Fruit trees 果树	1) Improve vegetative growth 2) Improve yield 1) 促进作物生长 2) 提高产量	1st spray: During land preparation Repeat after harvest 第一轮: 犁地期间 采收后使用	125 ml in 10 L water 125cc 兑10公升水	300 – 1000 ml/ tree 每棵 300-1,000cc
Enzyme 酵素发酵	Fermentation with fruits to produce enzyme for disease mitigation & nutrient supplementation 用于水果发酵, 产生天然酵素以减轻疾病和补充营养	Mix with the ingredients with 1L of PGPR EM Booster and 200L water for fermentation 用1L PGPR EM Booster和200公升水混合发酵	1L in 200L water 1公升兑200公升水	



Storage Method

- Do not exposed to direct sunlight
- Do not exposed to extreme temperatures
- Use within 1 year from the date of production

产品储存

- 避免直接暴露在阳光下
- 避免极端储藏温度
- 出产日期后一年内用完

Application Guidelines

- Dilution rate: Dilute according to type of crop
- Use chlorine free water
- Adjust spraying droplets to fine mist for better distribution
- Spray in the early morning or late evening
- Avoid spraying in the afternoon or when the weather is excessively hot
- Spray according the wind direction to ensure droplets reach the ground
- Allow at least 5 days interval before spraying after application of pesticides
- The product is incompatible with liquid fertilizer and pesticides

使用指南

- 稀释率: 根据各种作物类型兑水稀释
- 使用无氯水
- 将喷洒器喷头调整为细雾状以更好地分布
- 在清晨或傍晚喷洒
- 避免在下午或天气过热时喷洒
- 顺风向喷洒, 确保水雾可以到达地面
- 喷洒杀虫剂后至少间隔 5 天才使用
- 该产品与液体肥料和杀虫剂不相容

WARNING:

Do not consume. Stay away from children

注意:

不可饮用。远离儿童

Product Composition 产品成分

Detail 详情	Composition 成分
Total PGPR PGPR 总菌量	Min. 1.00 x 10 ⁸ CFU/ml 最少1 亿 CFU/ml
N-fixing bacteria 固氮菌	Min. 1.00 x 10 ⁸ CFU/ml 最少1 亿 CFU/ml
P-solubilizing bacteria 溶磷菌	Min. 1.00 x 10 ⁸ CFU/ml 最少1 亿 CFU/ml
K-mobilizing bacteria 解钾菌	Min. 1.00 x 10 ⁸ CFU/ml 最少1 亿 CFU/ml
PGPR %	0.3%
PGPR %	0.3%
Fermentation media 发酵营养液	99.7%
	99.7%

Safety Measures

- Wear gloves when handling product
- Do not spray against the wind to avoid drenching oneself with the product
- Prevent contact of product with eyes. Wash eyes immediately in case of contact.

安全指南

- 处理产品时戴上手套
- 不要逆风喷洒, 以免被产品淋湿
- 避免产品与眼睛接触。若发生接触, 应立即用干净水清洗眼睛。

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