

康植佳源——多元先锋号
Bio Remedy
--- The product combines fertilizer, curing and
active micro organism for plant health

研制单位：河南省企业中心
河南省微生物菌剂工程技术研究中心
生产单位：鹤壁市人元生物技术发展有限公司

Research and development unit:

Henan Enterprise Center

Henan Province Microbial Agent Engineering Technology Research Center

Production unit: Hebi Renyuan Biotech Development Co., Ltd.

执行标准：GB20287-2006 农用微生物菌剂

产品登记证号：微生物肥（2018）准字（4034）号

产品成分：富含枯草、地衣、胶冻样芽孢杆菌，有效活菌数 ≥ 2 亿/mL。

硝基腐殖酸、中微量元素和活性态营养素及中草药发酵萃取物等。

限量指标要求：霉菌杂菌数 $\leq 3.0 \times 10^6$ 个/mL，杂菌率 $\leq 10\%$ ，粪大肠杆菌群数 ≤ 100 个/mL，蛔虫卵死亡率 $\geq 95\%$ ，砷 ≤ 75 mg/L、铅 ≤ 100 mg/L、汞 $52 \leq$ mg/L、铬 ≤ 150 mg/L、镉 ≤ 10 mg/L。

Executive standard: GB20287-2006 agricultural microbial agent

Product Registration Certificate No.: Microbial Fertilizer (2018)code(4034)

Product ingredients: Rich in subtilis, lichen, jelly-like bacillus, effective viable bacteria number ≥ 200 million/ml. Nitro humic acid, middle and trace elements, active nutrients, fermented extracts of Chinese herbal medicine, etc.

Limit index requirements: the number of molds $\leq 3.0 \times 10^6$ /L, the rate of other microbes $\leq 10\%$, the number of fecal coliforms ≤ 100 /mL, the mortality of Ascaris eggs $\geq 95\%$, arsenic ≤ 75 mg/L, lead ≤ 100 mg/L, mercury $52 \leq$ mg/L, chromium ≤ 150 mg/L, cadmium ≤ 10 mg/L.

产品特点： Product Features

1、富含多种活性菌，生物活性因子，对各种植物的病害、虫害具有独特的防治、控制功效。

2、提升植物叶绿素含量，增强光合效率，快速激活植物基因表达，促进细胞分裂，促进生长点生长、提高坐果率、抗倒伏、提早成熟、改善品质等效果。

3、诱导植物抗病虫基因表达，激活植物的抗病防虫等防卫免疫机制和抗逆性，提高植物的抗寒、抗旱、抗涝、抗盐碱性能。

1. Rich in a variety of active microorganism and biologically active factors, and has unique prevention and control effects on various plant diseases and insect pests.

2. Increase plant chlorophyll content, enhance photosynthetic efficiency, quickly activate plant gene expression, promote cell division, promote growth point growth, increase fruit setting, anti-lodging, early maturity, and improve quality.

3. Induces the expression of plant disease and insect resistance genes, activates the plant's disease and insect resistance and other defense and immune mechanisms and

stress resistance, and improves the plant's cold resistance, drought resistance, water logging resistance, and salt-alkali resistance.

产品功能:

- 1、防治各种病害：稻瘟病、纹枯病、立枯病、青枯病、烂秧病，根腐病、枯萎病、黄萎病、霜霉病、疫病、灰霉病、叶霉病、白腐病、黑腐病、软腐病、角斑病、病毒病等各类病害和生理性病害。
- 2、防治控制虫害：棉铃虫、吊丝虫、二化螟、三化螟、潜叶蝇、食心虫、青虫、玉米螟、小菜蛾、白粉虱、稻飞虱、蚜虫、红白蜘蛛、斑潜蝇、螨虫等各类害虫。
- 3、解除药害、肥害：如农药、化肥和除草剂等残留造成对作物及土壤的药害肥害，使植物迅速恢复正常生长的性能。
- 3、增加产品：一般能提高 5%-10%产量。

Product Function:

1. Prevention and control of various diseases: rice blast, sheath blight, wilt, bacterial wilt, seed rot, root rot, fusarium wilt, verticillium wilt, downy mildew, blight, gray mold, leaf mold, White rot, black rot, soft rot, angular spot, virus disease and other diseases and physiological diseases.
2. Prevention and control of insect pests: cotton bollworm, hanging silkworm, *Chilo suppressalis*, *Chilo suppressalis*, leaf miner, heartworm, caterpillar, corn borer, diamondback moth, whitefly, rice planthopper, aphids, red and white spider, *Liriomyza*, Various pests such as mites.
3. Eliminate phytotoxicity and fertilizer damage: residues such as pesticides, chemical fertilizers and herbicides cause phytotoxicity and fertilizer damage to crops and soil, so that plants can quickly restore their normal growth performance.
4. Increase the product yield: Generally, it can increase the output by 5%-10%.

使用对象: Application

适用各类土壤农田的经济作物、水果、蔬菜、烟草、茶叶、经济果木林草等的种植生产。

It is suitable for the cultivation and production of economic crops, fruits, vegetables, tobacco, tea, economic fruit trees, forests and grasses in various soil farms.

使用方法

浸种：本品 100 克，50 公斤水（1:500），配合多菌灵对水稻、玉米、小麦、土豆等种子浸种，也可以用本品喷施 200 平方米苗床。

2、灌根冲施，每亩用本品 0.1-1 公斤（视不同作物而定），单独或则配合冲施肥、滴灌使用。

3、叶面喷施，苗期、生长期、幼果期、果实膨大、孕穗期均可使用。使用倍数 1: 450 倍液，不要随意加大浓度使用期。隔 7-10 天喷雾 1 次。

Application method:

1. Seed soaking: 100 grams of this product, 50 kilograms of water (1:500), combined with carbendazim. Seeds soaking of rice, corn, wheat, potatoes, etc., can also spray 200 square meters with the product on rice seedbed.

2. Irrigation root flushing, use 0.1-1 kg of this product per mu(China land unit, 666

m²)(depending on different crops), singly or in combination with flushing fertilization and drip irrigation.

3. Foliar spraying can be used in the seedling stage, growing stage, young fruit stage, fruit swelling stage and booting stage. Use a multiple of 1:450, don't increase the concentration and use period arbitrarily. Spray once every 7-10 days.

注意事项:

- 1、本品如有沉淀，用前摇匀不影响使用效果。
- 2、可与杀菌剂、杀虫剂、化肥混用。
- 3、阴凉干燥处保存，保质期二年。

Precautions:

1. If this product has precipitation, shake it well before use without affecting the use effect.
2. It can be mixed with fungicides, insecticides and fertilizers.
3. Store in a cool and dry place, with a shelf life of two years.

应用效果: Application effect:

1、多元先锋号在水稻上的应用效果

该产品促早熟、抗倒伏、防病防虫，增产 10%以上，每亩增收 150-200 公斤。

2、多元先锋号在小麦的应用效果

该产品防病虫、抗旱、抗寒、抗盐碱、抗倒伏性能稳定，促早熟、增粒重效果显著，可增产 10%以上。

3、多元先锋号在棉花上的应用效果

该产品可使棉花生长敦实稳健、株型好、品质提升，增产 10%以上，在盐碱地、沙漠地和新开垦地使用，可增产 30%左右，产品使用简单，施药次数减少，节省机械、劳力投入成本、化肥、农药等农资成本降低 50%左右。

4、多元先锋号在大枣、葡萄的应用效果

连续使用后可提高抗逆尤其是抗旱、抗冻能力；对枣树小叶病、葡萄霜霉病、白粉病和红蜘蛛防控效果好。

5、多元先锋号在哈密瓜、西瓜上、的应用效果

促增产，延长货架期。口感好含糖量高，品质好商品率高。增强白粉病、霜霉病和蚜虫、红白蜘蛛等防控效果。可增产 10%左右。

1.Bio remedy application effect on rice

The product promotes early maturity, resists lodging, prevents disease and insects, increases yield by more than 10%, and increases income by 150-200 kg per mu(China land unit, 666 m²).

2. The application effect of Bio remedy in wheat

The product has stable anti-pest, drought, cold, salt-alkali, and lodging resistance, and has significant effects on promoting early maturity and increasing grain weight, can increase the yield by more than 10%.

3. The application effect of Bio remedy on cotton

This product can promote cotton grow steadily, with good plant shape and quality, increase the yield by more than 10%. If the product applied in saline-alkali land, desert land and newly reclaimed land, can increase the yield by about 30% .

The product application method is simple, the consumption of pesticide application

thus will be reduced, *The machine ,labor input costs, chemical fertilizers, pesticides and other agricultural materials input costs are reduced by about 50%.*

4. The application effect of Bio remedy in jujube and grape

After continuous use, it can strengthen stress resistance, especially drought resistance and frost resistance; it has a good prevention and control effect on jujube leaf disease, grape downy mildew, powdery mildew and spider mites.

5. The application effect of Bio remedy on cantaloupe and watermelon

Promote production increase and extend shelf life. Good taste, high sugar content, good quality and high productivity rate. Enhance the prevention and control effects of powdery mildew, downy mildew, aphids, red and white spiders. It can increase production by about 10%.