

AGRO TECH LAB

ECOSTIM



KEY FEATURES

- **ENHANCED FLOWERING AND POLLINATION:** IMPROVES FLOWERING AND POLLINATION PROCESSES, RESULTING IN HIGHER YIELD AND BETTER QUALITY CROPS.
- **IMPROVED NITROGEN UTILIZATION:** ENHANCES THE EFFICIENCY OF NITROGEN USE IN PLANTS, WHICH INCREASES TOLERANCE TO NITROGEN DEFICIENCY.
- **RAPID GROWTH STIMULATION:** STIMULATES AND REGULATES QUICK PLANT GROWTH, ENSURING HEALTHY AND ROBUST DEVELOPMENT.
- **STRESS PROTECTION:** PROVIDES PROTECTION AGAINST VARIOUS BIOTIC AND ABIOTIC STRESSES, INCLUDING TEMPERATURE EXTREMES, DROUGHT, AND HEAVY METAL SHOCK, ENHANCING PLANT RESILIENCE.
- **INCREASED PHOTOSYNTHETIC RATE:** BOOSTS THE NET PHOTOSYNTHETIC RATE AND CHLOROPHYLL CONTENT IN LEAVES, CONTRIBUTING TO BETTER ENERGY CONSERVATION AND INCREASED PLANT YIELD.
- **REGULATED PLANT DEVELOPMENT:** AIDS IN REGULATING PLANT DEVELOPMENT IN RESPONSE TO HORMONES AND ENVIRONMENTAL STIMULI, IMPROVING OVERALL PLANT HEALTH AND RESISTANCE TO PATHOGENS AND PESTS.
- **ENHANCED CHLOROPHYLL SYNTHESIS:** PROMOTES CHLOROPHYLL SYNTHESIS, LEADING TO HEALTHIER AND MORE VIGOROUS PLANTS.

INGREDIENTS

- **TOTAL NITROGEN (N): 8.5%**
- **ORGANIC NITROGEN (N): 8.5%**
- **TOTAL WATER-SOLUBLE PHOSPHOROUS (P2O5): 3%**
- **TOTAL WATER-SOLUBLE POTASSIUM (K2O): 4.8%**
- **ORGANIC CARBON (CORG): 34.2%**
- **C/N RATIO: 3.9**
- **PLANT-ORIGIN AMINO ACIDS: 50.0%**
- **SEAWEED EXTRACT (ASCOPHYLLUM NODOSUM): TOTAL EXTRACT INCLUDING ALGINIC ACID (5.0%)**
- **MANNITOL (1.0%)**
- **ORGANIC MATTER: 59.9%**

AMINO ACID PROFILE

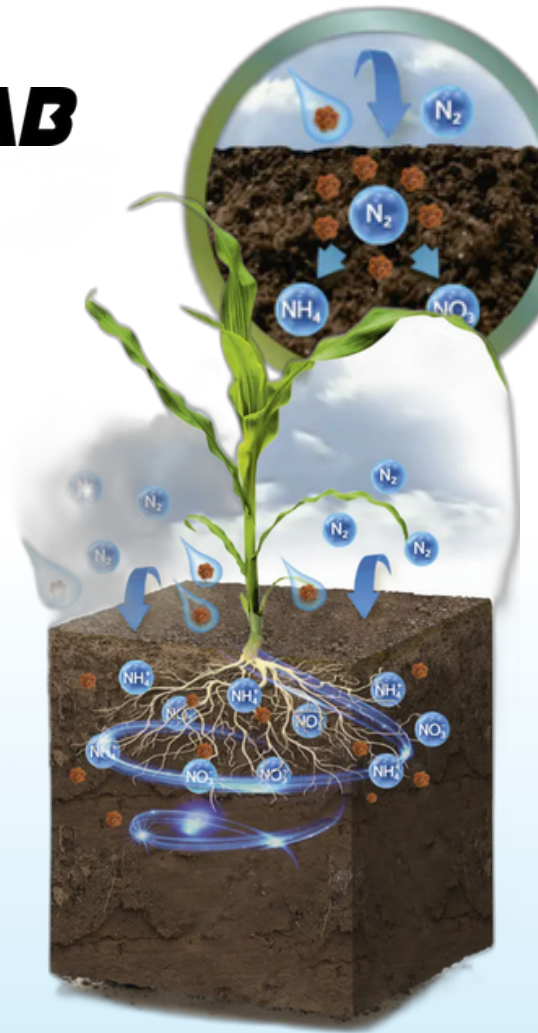
| | | | |
|--------------------|-------|----------------|------|
| • L-GLUTAMIC ACID | 11% | • L-PROLINE | 8.5% |
| • L-ALANINE | 9% | • L-SERINE | 0.7% |
| • L-ARGININE | 6.5% | • L-THREONINE | 1.1% |
| • L-PHENYLALANINE | 2.3% | • L-VALINE | 3.0% |
| • GLYCINE | 21.2% | • L-HISTIDINE | 1% |
| • L-ISOLEUCINE | 4.5% | • L-CYSTEINE | 0.3% |
| • L-LEUCINE | 3.5% | • L-METHIONINE | 2.7% |
| • L-LYSINE SULFATE | 23.0% | • L-TYROSINE | 0.4% |
| | | • L-TRYPTOPHAN | 1.3% |

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PRODUCT DESCRIPTION

ECOSTIM IS A PREMIUM AMINO ACID FERTILIZER DESIGNED TO ENHANCE PLANT GROWTH AND PRODUCTIVITY. THIS HIGH-QUALITY PRODUCT IS DERIVED FROM PURIFIED AMINO ACIDS OF PLANT ORIGIN, PRODUCED THROUGH FERMENTATION. IT CONTAINS A TARGETED MIX OF 17 FREE AMINO ACIDS IN IDEAL BALANCE, MAKING IT ONE OF THE MOST CONCENTRATED AMINO ACID PRODUCTS ON THE MARKET. IN ADDITION TO ITS AMINO ACID CONTENT, ECOSTIM PROVIDES ESSENTIAL NUTRIENTS AND ORGANIC MATTER THAT SUPPORT OVERALL PLANT HEALTH AND SOIL FERTILITY.

- **DUAL ACTION ON PLANT VIGOR:** OPTIMIZES CROP PERFORMANCE UNDER NORMAL CONDITIONS AND SUPPORTS STRESS RESISTANCE DURING EXTREME WEATHER, LACK OF WATER, SALINITY, AND OTHER CLIMATE-RELATED STRESSORS.
- **ORGANIC NITROGEN SOURCE:** SAVES PLANT ENERGY BY PROVIDING IMMEDIATELY ABSORBABLE NITROGEN, ENHANCING GROWTH AND PRODUCTIVITY.
- **ENHANCED FLOWERING AND POLLINATION:** LEADS TO HIGHER YIELD AND BETTER QUALITY CROPS.
- **IMPROVED NITROGEN UTILIZATION:** ENHANCES THE EFFICIENCY OF NITROGEN USE IN PLANTS, WHICH INCREASES TOLERANCE TO NITROGEN DEFICIENCY.
- **RAPID GROWTH STIMULATION:** PROMOTES QUICK AND REGULATED PLANT GROWTH, ENSURING HEALTHY AND ROBUST DEVELOPMENT.
- **STRESS PROTECTION:** SHIELDS PLANTS FROM VARIOUS BIOTIC AND ABIOTIC STRESSES SUCH AS TEMPERATURE EXTREMES, DROUGHT, AND HEAVY METAL SHOCK, ENHANCING PLANT RESILIENCE.
- **INCREASED PHOTOSYNTHETIC RATE:** BOOSTS CHLOROPHYLL CONTENT AND ENERGY CONSERVATION, ENHANCING PLANT YIELD.
- **REGULATED PLANT DEVELOPMENT:** AIDS IN REGULATING PLANT DEVELOPMENT IN RESPONSE TO HORMONES AND ENVIRONMENTAL STIMULI, IMPROVING OVERALL PLANT HEALTH AND RESISTANCE TO PATHOGENS AND PESTS.
- **ENHANCED CHLOROPHYLL SYNTHESIS:** PROMOTES CHLOROPHYLL SYNTHESIS, LEADING TO HEALTHIER AND MORE VIGOROUS PLANTS.
- **RICH IN ORGANIC MATTER:** CONTAINS 59.9% ORGANIC MATTER, IMPROVING SOIL STRUCTURE AND FERTILITY.
- **SEAWEED EXTRACT BENEFITS:** INCLUDES ASCOPHYLLUM NODOSUM EXTRACT WITH ALGINIC ACID AND MANNITOL, PROVIDING ADDITIONAL NUTRIENTS AND GROWTH-PROMOTING SUBSTANCES.



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DOSES / CROPS

| CROP | DOSE PER APPLICATION (FOLIAR) | DOSE PER APPLICATION (ROOT) |
|------------------------|------------------------------------|-------------------------------------|
| HORTICULTURAL CROPS | 0,5-1.0 KG / HECTARE (OR 1000L) | 10-20 KG / HECTARE |
| FRUIT TREES | 0,5-1.0 KG / HECTARE (OR 1000L) | 10-20 KG / HECTARE |
| WOODY CROPS | 0,5-1.0 KG / HECTARE (OR 1000L) | 10-20 KG / HECTARE |
| CANABISS | 0,5-1.0 KG / HECTARE (OR 1000L) | 10-20 KG / HECTARE |
| HYDROPONICS** | 0,5-1.0 KG / HECTARE (OR 1000L) | 8-10 KG / HECTARE |
| <u>GRASS</u> | <u>SMALL: (50 GR/10,000 CELLS)</u> | <u>SMALL: (10 KG /10,000 CELLS)</u> |
| <u>EXTENSIVE CROPS</u> | <u>MEDIUM: (50 GR/6,750 CELLS)</u> | <u>MEDIUM: (10KG /6,750 CELLS)</u> |
| <u>SEEDBEDS</u> | <u>LARGE: (50 GR/5,000 CELLS)</u> | <u>LARGE: (10KG/5,000 CELLS)</u> |

**NOT SUITABLE FOR ALL CROPS