

AGRO TECH LAB NATAN



INGREDIENTS

BEAUVERIA BASSIANA	4,200 PROPAGULES/ML
METARHIZIUM ANISOPLIAE	4,200 PROPAGULES/ML
BACILLUS THURINGIENSIS ISRAELEMENSIS	1.0×10^4 CFU/ML
AZOTOBACTER CHROOCOCCUM	1.0×10^4 CFU/ML
VITAMINS	0,25 % w/w
SEAWEED EXTRACT	1,85 % w/w

HIGHLIGHTED FEATURES :

- **COMPREHENSIVE PEST CONTROL:** COMBINES MULTIPLE MICROORGANISMS TO TARGET A WIDE RANGE OF INSECT PESTS, REDUCING THE NEED FOR CHEMICAL PESTICIDES.
- **ENHANCED SOIL FERTILITY:** INCLUDES AZOTOBACTER CHROOCOCCUM FOR BIOLOGICAL NITROGEN FIXATION, PROMOTING HEALTHIER PLANT GROWTH.
- **ENVIRONMENTALLY SAFE:** UTILIZES NATURALLY OCCURRING MICROORGANISMS THAT ARE SAFE FOR BENEFICIAL INSECTS, HUMANS, AND ANIMALS.
- **INTEGRATED PEST MANAGEMENT (IPM) SUPPORT:** HELPS PREVENT PEST RESISTANCE AND SUPPORTS SUSTAINABLE PEST CONTROL STRATEGIES.
- **IMPROVED CROP YIELD AND QUALITY:** LEADS TO HEALTHIER PLANTS, RESULTING IN HIGHER YIELDS AND BETTER QUALITY PRODUCE.
- **SUSTAINABLE AGRICULTURAL PRACTICES:** REDUCES RELIANCE ON CHEMICAL INPUTS AND PROMOTES NATURAL SOIL AND PEST MANAGEMENT TECHNIQUES.



PRODUCT DESCRIPTION

NATAN BIO-STIMULANT

NATAN IS A PREMIUM BIO-STIMULANT PRODUCT FROM AGRO TECH LAB, CAREFULLY FORMULATED TO ENHANCE PLANT GROWTH AND HEALTH. IT CONTAINS A SYNERGISTIC BLEND OF BENEFICIAL INGREDIENTS THAT SUPPORT PLANT VITALITY AND RESILIENCE.

KEY INGREDIENTS:

- BEAUVERIA BASSIANA
- METARHIZIUM ANISOPLIAE
- BACILLUS THURINGIENSIS ISRAELENSENSIS
- AZOTOBACTER CHROOCOCCUM
- VITAMINS
- SEAWEED EXTRACT

PRODUCT DESCRIPTION:

NATAN BIO-STIMULANT IS A CUTTING-EDGE FORMULATION DESIGNED TO PROMOTE PLANT GROWTH AND BOOST OVERALL PLANT HEALTH. THIS ADVANCED BLEND OF BENEFICIAL MICROBES, VITAMINS, AND SEAWEED EXTRACT PROVIDES NUMEROUS BENEFITS TO PLANTS, ENSURING OPTIMAL GROWTH AND VIGOR.

NATAN RAPIDLY COLONIZES THE ROOT ZONE, IMPROVING THE SOIL'S MICROBIOLOGICAL COMPOSITION AND ENHANCING NUTRIENT ABSORPTION. THE PRESENCE OF BENEFICIAL MICROORGANISMS SUCH AS BEAUVERIA BASSIANA AND METARHIZIUM ANISOPLIAE HELPS INCREASE PLANT TOLERANCE TO ENVIRONMENTAL STRESSORS.

AZOTOBACTER CHROOCOCCUM AND BACILLUS THURINGIENSIS ISRAELENSENSIS CONTRIBUTE TO IMPROVED SOIL HEALTH AND PLANT RESILIENCE, WHILE THE ADDITION OF VITAMINS SUPPORTS ESSENTIAL PLANT FUNCTIONS. THE INCLUSION OF SEAWEED EXTRACT FURTHER ENHANCES THE PRODUCT'S EFFECTIVENESS BY PROMOTING CELL DIVISION AND OSMOREGULATION.

WITH NATAN BIO-STIMULANT, YOU CAN EXPECT INCREASED ROOT SURFACE AREA, ENHANCED NUTRIENT UPTAKE, AND IMPROVED PLANT TOLERANCE TO VARIOUS STRESS FACTORS. GIVE YOUR PLANTS THE BOOST THEY NEED TO THRIVE WITH NATAN FROM AGRO TECH LAB.

FEEL FREE TO CUSTOMIZE AND EXPAND UPON THE PRODUCT DESCRIPTION AS NEEDED TO BETTER FIT YOUR BRANDING AND MARKETING STRATEGIES.

DIRECTIONS FOR USE

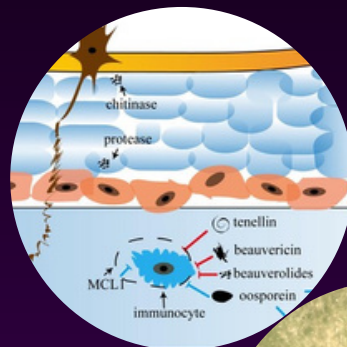
FOR OPTIMAL RESULTS AND MAXIMUM EFFECTIVENESS, WE RECOMMEND THE FOLLOWING APPLICATION METHOD FOR NATAN BIO-STIMULANT:

FOLIAR APPLICATION: APPLY NATAN BIO-STIMULANT AS A FOLIAR SPRAY OVER THE ENTIRE PLANT CANOPY. USE A RATE OF 1.5-2 LITERS OF NATAN PER HECTARE FOR A CONCENTRATED APPLICATION METHOD.

DILUTION RATIO: TO ACHIEVE THE MAXIMUM BENEFITS OF NATAN BIO-STIMULANT, DILUTE 2 LITERS OF THE PRODUCT IN 1000 LITERS OF WATER FOR THOROUGH COVERAGE AND ABSORPTION BY THE PLANTS.

BY FOLLOWING THESE APPLICATION GUIDELINES, YOU CAN ENSURE THAT NATAN BIO-STIMULANT IS EFFICIENTLY UTILIZED TO ENHANCE PLANT GROWTH AND HEALTH, LEADING TO IMPROVED CROP YIELDS AND OVERALL PLANT VITALITY.

DO NOT USE MIX OR USE BEFORE/AFTER FUNGICIDE OR COPPER BASED PRODUCT . THIS WILL CAUSE TO DECREASE THE EFFECT OF THE PRODUCT



DOSES / CROPS

CROP

HORTICULTURAL CROPS

FRUIT TREES

WOODY CROPS

CANABISS

DOSE PER APPLICATION (FOLIAR)

1,5-2.0 L / HECTARE (OR 1000L)

1,5-2.0 L / HECTARE (OR 1000L)

1,5-2.0 L / HECTARE (OR 1000L)

1,5-2.0 L / HECTARE (OR 1000L)

GRASS

EXTENSIVE CROPS

SEEDBEDS

SMALL: (100 ML/10,000 CELLS)

MEDIUM: (100 ML/6,750 CELLS)

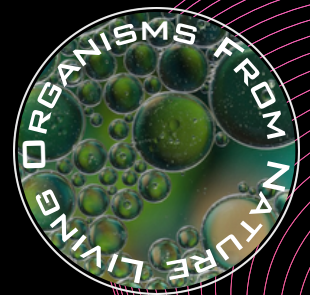
LARGE: (100 ML/5,000 CELLS)

AGRO TECH LAB METCON



INGREDIENTS

• GLOMUS CALEDONIUM	3,200 PROPAGULES/ML
• GLOMUS INTRARADICES	3,200 PROPAGULES/ML
• GLOMUS FASCICULATUM	3,200 PROPAGULES/ML
• BACILLUS AMYLOLIQUEFACIENS	1.0×10^4 CFU/ML
• BACILLUS SUBTILIS	1.0×10^3 CFU/ML
• BACILLUS LICHENIFORMIS	1.0×10^3 CFU/ML
• BACILLUS MEGATERIUM	1.0×10^2 CFU/ML
• TRICHODERMA HARZIANUM	3,200 PROPAGULES/ML
• TRICHODERMA KONINGII	3,200 PROPAGULES/ML
• TRICHODERMA VIRIDAE	3,200 PROPAGULES/ML
• ESSENTIAL VITAMINS	0,18 % w/w
• HUMIC ACID	0,11 % w/w
• SEAWEED EXTRACT	0,81 % w/w



PRODUCT DESCRIPTION

NATAN BIO-STIMULANT

NATAN IS A PREMIUM BIO-STIMULANT PRODUCT FROM AGRO TECH LAB, CAREFULLY FORMULATED TO ENHANCE PLANT GROWTH AND METCON IS A PREMIUM BIO-STIMULANT PRODUCT FROM AGRO TECH LAB, METICULOUSLY CRAFTED TO ENHANCE PLANT GROWTH AND OVERALL HEALTH. THIS ADVANCED FORMULATION CONTAINS A SYNERGISTIC BLEND OF BENEFICIAL MICROORGANISMS, ESSENTIAL VITAMINS, FULVIC ACID, AND SEAWEED EXTRACT TO SUPPORT PLANT VITALITY AND RESILIENCE.

- GLOMUS CALEDONIUM
- GLOMUS INTRARADICES
- GLOMUS FASCICULATUM
- BACILLUS AMYLOLIQUEFACIENS
- BACILLUS SUBTILIS
- BACILLUS LICHENIFORMIS
- BACILLUS MEGATERIUM
- TRICHODERMA HARZIANUM
- TRICHODERMA KONINGII
- TRICHODERMA VIRIDAE
- ESSENTIAL VITAMINS
- FULVIC ACID
- SEAWEED EXTRACT

PRODUCT DESCRIPTION:

METCON BIO-STIMULANT IS AN INNOVATIVE PRODUCT FORMULATED TO ENHANCE PLANT GROWTH AND HEALTH. THE MYCORRHIZAL FUNGI (GLOMUS SPECIES) INCREASE ROOT SURFACE AREA, ENHANCING NUTRIENT AND WATER ABSORPTION. BENEFICIAL BACTERIA (BACILLUS SPECIES) IMPROVE SOIL STRUCTURE, NUTRIENT CYCLING, AND DISEASE SUPPRESSION. TRICHODERMA SPECIES ACT AS BIOCONTROL AGENTS, PROTECTING AGAINST SOIL-BORNE PATHOGENS AND PROMOTING HEALTHIER ROOT SYSTEMS.

ESSENTIAL VITAMINS AND FULVIC ACID SUPPORT METABOLIC PROCESSES, WHILE SEAWEED EXTRACT IMPROVES STRESS RESISTANCE, CELL DIVISION, AND OVERALL PLANT VIGOR.

METCON PROVIDES , STRONGER AND MORE EXTENSIVE ROOT SYSTEMS FOR BETTER NUTRIENT UPTAKE. PROMOTES ROBUST GROWTH, LEADING TO HIGHER YIELDS AND SUPERIOR PRODUCE QUALITY. REDUCES THE NEED FOR CHEMICAL FERTILIZERS AND PESTICIDES. SUITABLE FOR GREENHOUSES, FIELD CROPS, ORCHARDS, VINEYARDS, NURSERIES, LANDSCAPE PLANTS, AND HYDROPONIC SYSTEMS.

AT ITS CORE, METCON TAPS INTO THE SYMBIOTIC POWER OF MYCORRHIZAL FUNGI AND BENEFICIAL BACTERIA. GLOMUS CALEDONIUM, GLOMUS INTRARADICES, AND GLOMUS FASCICULATUM ESTABLISH INTIMATE CONNECTIONS WITH PLANT ROOTS, FORMING MYCORRHIZAL ASSOCIATIONS THAT ENHANCE NUTRIENT UPTAKE, PARTICULARLY PHOSPHORUS AND MICRONUTRIENTS CRUCIAL FOR PLANT DEVELOPMENT. THIS PARTNERSHIP NOT ONLY OPTIMIZES NUTRIENT EFFICIENCY BUT ALSO IMPROVES SOIL STRUCTURE, FOSTERING HEALTHIER ROOT SYSTEMS AND RESILIENT CROPS.

METCON GOES BEYOND NUTRIENT ENHANCEMENT BY BOLSTERING PLANT DEFENSES AGAINST DISEASES AND ENVIRONMENTAL STRESSORS. BACILLUS AMYLOLIQUEFACIENS, BACILLUS SUBTILIS, BACILLUS LICHENIFORMIS, AND BACILLUS MEGATERIUM ARE THE FRONTLINE WARRIORS, PRODUCING A DIVERSE ARRAY OF ANTIMICROBIAL COMPOUNDS AND ENZYMES. THESE BENEFICIAL BACTERIA SUPPRESS HARMFUL PATHOGENS, PROMOTING DISEASE RESISTANCE AND REDUCING RELIANCE ON CHEMICAL TREATMENTS. THE INCLUSION OF TRICHODERMA HARZIANUM, TRICHODERMA KONINGII, AND TRICHODERMA VIRIDAE FURTHER FORTIFIES PLANT IMMUNITY, CREATING A PROTECTIVE SHIELD AROUND CROPS AND ENSURING SUSTAINED PRODUCTIVITY.

METCON REPRESENTS A PINNACLE OF SCIENTIFIC INNOVATION AND ECOLOGICAL STEWARDSHIP IN AGRICULTURE. BY HARNESSING THE SYNERGISTIC POWER OF BENEFICIAL MICROORGANISMS, ESSENTIAL NUTRIENTS, AND NATURAL EXTRACTS, METCON NOT ONLY ENHANCES CROP PRODUCTIVITY AND QUALITY BUT ALSO ENSURES LONG-TERM SUSTAINABILITY AND RESILIENCE IN AGRICULTURE



DO NOT USE MIX OR USE BEFORE/AFTER FUNGICIDE OR COPPER BASED PRODUCT . THIS WILL CAUSE TO DECREASE THE EFFECT OF THE PRODUCT

DOSES / CROPS

CROP	DOSE PER APPLICATION (FOLIAR)	DOSE PER APPLICATION (ROOT)
HORTICULTURAL CROPS	1,5-2.0 L / HECTARE (OR 1000L)	2.0 L / HECTARE
FRUIT TREES	1,5-2.0 L / HECTARE (OR 1000L)	2.0 L / HECTARE
WOODY CROPS	1,5-2.0 L / HECTARE (OR 1000L)	2.0 L / HECTARE
CANABISS	1,5-2.0 L / HECTARE (OR 1000L)	2.0 L / HECTARE
HYDROPONICS	1,5-2.0 L / HECTARE (OR 1000L)	2.0 L / 1000 L
<u>GRASS</u>	<u>SMALL: (100 ML/10,000 CELLS)</u>	<u>SMALL: (1L/10,000 CELLS)</u>
<u>EXTENSIVE CROPS</u>	<u>MEDIUM: (100 ML/6,750 CELLS)</u>	<u>MEDIUM: (1L/6,750 CELLS)</u>
<u>SEEDBEDS</u>	<u>LARGE: (100 ML/5,000 CELLS)</u>	<u>LARGE: (1L/5,000 CELLS)</u>

AGRO TECH LAB

AURATERRA



INGREDIENTS

• GLOMUS CALEDONIUM	2,100 PROPAGULES/ML
• GLOMUS FASCICULATUM	1,200 PROPAGULES/ML
• RHIZOPHAGUS IRREGULARIS	2,200 PROPAGULES/ML
• BACILLUS AMYLOLIQUEFACIENS	1.0x10 ⁵ CFU/ML
• TRICHODERMA HARZIANUM	2,000 PROPAGULES/ML
• TRICHODERMA VIRIDAE	2,200 PROPAGULES/ML
• ESSENTIAL VITAMINS	0,12 % W/W
• SEAWEED EXTRACT	0,13 % W/W

KEY FEATURES

- **IMPROVED PLANT GROWTH:** THE INCLUSION OF BENEFICIAL BACTERIA LIKE *BACILLUS AMYLOLIQUEFACIENS* ENHANCES SOIL HEALTH BY PROMOTING NUTRIENT CYCLING AND SUPPRESSING HARMFUL PATHOGENS. THIS FOSTERS A FAVORABLE ENVIRONMENT FOR PLANT GROWTH, LEADING TO HEALTHIER CROPS AND IMPROVED YIELDS.
- **ENHANCED DISEASE RESISTANCE:** *TRICHODERMA HARZIANUM* AND *TRICHODERMA VIRIDAE* ARE NATURAL ANTAGONISTS TO MANY PLANT PATHOGENS. THEY STIMULATE THE PLANT'S IMMUNE RESPONSE AND COMPETE AGAINST HARMFUL FUNGI, REDUCING THE INCIDENCE OF DISEASES AND PROMOTING PLANT HEALTH.
- **SUPPLEMENTED WITH ESSENTIAL VITAMINS:** AURATERRA IS ENRICHED WITH ESSENTIAL VITAMINS THAT ACT AS GROWTH PROMOTERS, SUPPORTING VARIOUS METABOLIC PROCESSES WITHIN THE PLANTS. THIS SUPPLEMENTATION ENSURES BALANCED NUTRITION AND OPTIMAL GROWTH THROUGHOUT THE CROP CYCLE.
- **SEAWEED EXTRACT BENEFITS:** THE ADDITION OF SEAWEED EXTRACT PROVIDES NATURAL PLANT HORMONES, AMINO ACIDS, AND TRACE ELEMENTS THAT PROMOTE STRESS TOLERANCE, ROOT DEVELOPMENT, AND OVERALL VIGOR. IT ENHANCES PLANT RESILIENCE TO ENVIRONMENTAL STRESSES SUCH AS DROUGHT AND SALINITY.



PRODUCT DESCRIPTION

AURATERRA BIO-STIMULANT

AURATERRA IS A PREMIUM BIO-STIMULANT METICULOUSLY CRAFTED BY AGRO TECH LAB TO OPTIMIZE PLANT GROWTH AND VITALITY. THIS ADVANCED FORMULA COMBINES A SYNERGISTIC BLEND OF BENEFICIAL MICROORGANISMS, ESSENTIAL VITAMINS, SEAWEED EXTRACT, AND MYCORRHIZAL FUNGI TO BOLSTER CROP HEALTH AND RESILIENCE.

KEY INGREDIENTS:

- TRICHODERMA HARZIANUM
- TRICHODERMA VIRIDAE
- BACILLUS AMYLOLIQUEFACIENS
- MYCORRHIZAL FUNGI
- 1. GLOMUS CALEDONIUM
- 2. GLOMUS FASCICULATUM
- 3. RHIZOPHAGUS IRREGULARIS

KEY BENEFITS:

- ENHANCED NUTRIENT UPTAKE,
- NATURAL DISEASE RESISTANCE
- STRESS TOLERANCE:
- SUSTAINABLE AGRICULTURE:

- AT THE HEART OF AURATERRA LIES A SYNERGISTIC ALLIANCE OF BENEFICIAL ORGANISMS. GLOMUS CALEDONIUM, GLOMUS FASCICULATUM, AND RHIZOPHAGUS IRREGULARIS FORM A FORMIDABLE TEAM OF MYCORRHIZAL FUNGI, ESTABLISHING SYMBIOTIC RELATIONSHIPS WITH PLANT ROOTS. THESE FUNGI ENHANCE NUTRIENT UPTAKE EFFICIENCY, PARTICULARLY PHOSPHORUS AND OTHER MICRONUTRIENTS, ENSURING PLANTS RECEIVE OPTIMAL NOURISHMENT EVEN IN NUTRIENT-DEFICIENT SOILS.
- AURATERRA GOES BEYOND NUTRIENT ENHANCEMENT BY FORTIFYING PLANT DEFENSES AGAINST DISEASES AND ENVIRONMENTAL CHALLENGES. BACILLUS AMYLOLIQUEFACIENS, RENOWNED FOR ITS BIOCONTROL PROPERTIES, PRODUCES ANTIBIOTICS AND ENZYMES THAT SUPPRESS HARMFUL PATHOGENS, PROMOTING HEALTHIER PLANTS AND REDUCING THE NEED FOR CHEMICAL TREATMENTS. THE PRESENCE OF TRICHODERMA HARZIANUM AND TRICHODERMA VIRIDAE FURTHER AUGMENTS DISEASE RESISTANCE, CREATING A SHIELD OF PROTECTION AROUND CROPS.

IN ADDITION TO BIOLOGICAL PARTNERS, AURATERRA INCORPORATES ESSENTIAL VITAMINS AND SEAWEED EXTRACTS. THESE INGREDIENTS ACT AS GROWTH STIMULANTS, ENHANCING ROOT DEVELOPMENT, IMPROVING PLANT VIGOR, AND BOOSTING OVERALL CROP YIELDS. THE VITAMINS AND SEAWEED EXTRACTS ALSO PLAY CRUCIAL ROLES IN STRESS TOLERANCE, ENABLING PLANTS TO THRIVE IN ADVERSE ENVIRONMENTAL CONDITIONS.

EMBRACING SUSTAINABILITY PRINCIPLES, AURATERRA PROMOTES ECOLOGICAL BALANCE AND REDUCES ENVIRONMENTAL IMPACT. ITS VERSATILE APPLICATION METHODS—FROM SOIL INOCULATION TO SEED TREATMENT AND FOLIAR SPRAYING—CATER TO DIVERSE AGRICULTURAL PRACTICES AND CROP VARIETIES. WHETHER UTILIZED IN CONVENTIONAL FARMING OR INTEGRATED INTO ORGANIC SYSTEMS, AURATERRA REMAINS STEADFAST IN ITS COMMITMENT TO FOSTERING SUSTAINABLE AGRICULTURE.

AURATERRA OFFERS A HOLISTIC APPROACH TO CROP MANAGEMENT AND SUSTAINABILITY. BY HARNESSING THE SYMBIOTIC POWER OF MYCORRHIZAL FUNGI, BENEFICIAL BACTERIA, ESSENTIAL NUTRIENTS, AND SEAWEED EXTRACTS, AURATERRA NOT ONLY ENSURES ROBUST PLANT HEALTH AND SUPERIOR YIELDS BUT ALSO PAVES THE WAY FOR A RESILIENT AND PROSPEROUS AGRICULTURAL FUTURE.



DO NOT USE MIX OR USE BEFORE/AFTER FUNGICIDE OR COPPER BASED PRODUCT . THIS WILL CAUSE TO DECREASE THE EFFECT OF THE PRODUCT

DOSES / CROPS

CROP	DOSE PER APPLICATION (FOLIAR)	DOSE PER APPLICATION (ROOT)
HORTICULTURAL CROPS	1,5-2.0 L / HECTARE (OR 1000L)	2.0 L / HECTARE
FRUIT TREES	1,5-2.0 L / HECTARE (OR 1000L)	2.0 L / HECTARE
WOODY CROPS	1,5-2.0 L / HECTARE (OR 1000L)	2.0 L / HECTARE
CANABISS	1,5-2.0 L / HECTARE (OR 1000L)	2.0 L / HECTARE
HYDROPONICS	1,5-2.0 L / HECTARE (OR 1000L)	2.0 L / 1000 L
<u>GRASS</u>	<u>SMALL: (100 ML/10,000 CELLS)</u>	<u>SMALL: (1L/10,000 CELLS)</u>
<u>EXTENSIVE CROPS</u>	<u>MEDIUM: (100 ML/6,750 CELLS)</u>	<u>MEDIUM: (1L/6,750 CELLS)</u>
<u>SEEDBEDS</u>	<u>LARGE: (100 ML/5,000 CELLS)</u>	<u>LARGE: (1L/5,000 CELLS)</u>

AGRO TECH LAB

MARIPOSA



INGREDIENTS

PSEUDOMONAS FLUORESCENS	2.5×10^6 CFU/ML
BACILLUS SUBTILIS	2.5×10^6 CFU/ML
BACILLUS MEGATERIUM	2.5×10^6 CFU/ML
LYSOBACTER ENZYMOGENES	2.5×10^6 CFU/ML
VITAMINS	0,12 % w/w
HUMIC ACID	0,13 % w/w

KEY FEATURES

- BROAD-SPECTRUM DISEASE CONTROL:
- PRODUCES ANTIBIOTICS, ENZYMES, AND ANTIFUNGAL COMPOUNDS TO INHIBIT DISEASES LIKE FUSARIUM, PHYTOPHTHORA, AND RHIZOCTONIA.
- PLANT GROWTH PROMOTION:
- ENHANCES NUTRIENT UPTAKE WITH SIDEROPHORES AND ENZYMES, IMPROVING SOIL FERTILITY AND PLANT VIGOR.
- STIMULATES ROOT DEVELOPMENT AND PROLIFERATION WITH PLANT GROWTH-PROMOTING HORMONES (AUXINS).
- ENVIRONMENTAL SUSTAINABILITY:
- REDUCES RELIANCE ON SYNTHETIC CHEMICALS, SUPPORTING INTEGRATED PEST MANAGEMENT (IPM) PRACTICES.
- IMPROVES SOIL HEALTH THROUGH BIOLOGICAL NUTRIENT CYCLING AND ORGANIC MATTER DECOMPOSITION.
- VERSATILE APPLICATION METHODS:
- SUITABLE FOR SEED TREATMENT, SOIL INOCULATION, OR FOLIAR SPRAY, PROVIDING FLEXIBILITY IN APPLICATION.
- COMPATIBLE WITH ORGANIC FARMING PRACTICES, ALIGNING WITH SUSTAINABLE AGRICULTURE STANDARDS.



PRODUCT DESCRIPTION

IN THE INTRICATE TAPESTRY OF MODERN AGRICULTURE, MARIPOSA STANDS OUT AS A BEACON OF INNOVATION AND SUSTAINABILITY. THIS ADVANCED BIOFORMULATION INTEGRATES A POWERFUL BLEND OF BENEFICIAL BACTERIA METICULOUSLY SELECTED TO ENHANCE PLANT HEALTH, PROMOTE NUTRIENT UPTAKE, AND PROVIDE ROBUST PROTECTION AGAINST A WIDE ARRAY OF PATHOGENS. MARIPOSA EMBODIES THE FUTURE OF CROP MANAGEMENT, COMBINING THE BEST OF MICROBIAL SCIENCE TO DELIVER EXCEPTIONAL RESULTS.

KEY INGREDIENTS:

- PSEUDOMONAS FLUORESCENS
- BACILLUS SUBTILIS
- BACILLUS MEGATERIUM
- LYSOBACTER ENZYMOGENES

MARIPOSA'S CORE STRENGTH LIES IN ITS SYNERGISTIC CONSORTIUM OF BENEFICIAL BACTERIA, EACH PLAYING A UNIQUE ROLE IN FOSTERING PLANT VITALITY. PSEUDOMONAS FLUORESCENS, A RENOWNED BIOCONTROL AGENT, ACTIVELY SUPPRESSES PLANT PATHOGENS THROUGH THE PRODUCTION OF ANTIBIOTICS AND ANTIFUNGAL COMPOUNDS. THIS BACTERIUM NOT ONLY PROTECTS PLANTS FROM DISEASES BUT ALSO PROMOTES ROOT GROWTH AND IMPROVES NUTRIENT UPTAKE, CREATING A THRIVING ENVIRONMENT FOR CROPS.

COMPLEMENTING THIS, BACILLUS SUBTILIS AND BACILLUS MEGATERIUM CONTRIBUTE TO MARIPOSA'S MULTIFACETED APPROACH TO PLANT HEALTH. BACILLUS SUBTILIS IS CELEBRATED FOR ITS ABILITY TO PRODUCE ENZYMES AND ANTIMICROBIAL PEPTIDES THAT INHIBIT PATHOGEN GROWTH, WHILE BACILLUS MEGATERIUM EXCELS IN SOLUBILIZING PHOSPHORUS, MAKING IT MORE ACCESSIBLE TO PLANTS. THIS DUAL ACTION ENHANCES NUTRIENT AVAILABILITY AND UPTAKE, ENSURING PLANTS RECEIVE THE ESSENTIAL ELEMENTS NEEDED FOR OPTIMAL GROWTH.

LYSOBACTER ENZYMOGENES, ANOTHER KEY COMPONENT OF MARIPOSA, BRINGS ADDITIONAL STRENGTH TO THE FORMULATION. KNOWN FOR ITS PRODUCTION OF LYTIC ENZYMES, THIS BACTERIUM BREAKS DOWN THE CELL WALLS OF PATHOGENIC FUNGI, OFFERING POWERFUL BIOCONTROL PROPERTIES. ITS PRESENCE IN MARIPOSA ENSURES A BROAD-SPECTRUM DEFENSE MECHANISM, PROTECTING PLANTS FROM A VARIETY OF SOIL-BORNE AND FOLIAR DISEASES.

MARIPOSA IS DESIGNED WITH SUSTAINABILITY IN MIND, PROMOTING ENVIRONMENTALLY FRIENDLY AGRICULTURAL PRACTICES. BY REDUCING THE RELIANCE ON SYNTHETIC CHEMICALS, IT SUPPORTS INTEGRATED PEST MANAGEMENT (IPM) STRATEGIES AND ALIGNS WITH ORGANIC FARMING PRINCIPLES. MARIPOSA'S VERSATILITY ALLOWS FOR VARIOUS APPLICATION METHODS, INCLUDING SOIL DRENCH, SEED TREATMENT, AND FOLIAR SPRAY, MAKING IT ADAPTABLE TO DIVERSE FARMING SYSTEMS AND CROP TYPES.

THE COLLECTIVE ACTION OF MARIPOSA'S BACTERIAL CONSORTIUM NOT ONLY SAFEGUARDS CROPS BUT ALSO PROMOTES VIGOROUS GROWTH AND RESILIENCE. BY ENHANCING NUTRIENT UPTAKE AND IMPROVING SOIL HEALTH, MARIPOSA CONTRIBUTES TO INCREASED CROP YIELDS AND BETTER QUALITY PRODUCE. ITS HOLISTIC APPROACH ENSURES THAT PLANTS ARE WELL-EQUIPPED TO WITHSTAND ENVIRONMENTAL STRESSORS, LEADING TO MORE CONSISTENT AND RELIABLE HARVESTS.



DO NOT USE MIX OR USE BEFORE/AFTER FUNGICIDE OR COPPER BASED PRODUCT . THIS WILL CAUSE TO DECREASE THE EFFECT OF THE PRODUCT

DOSES / CROPS

CROP	DOSE PER APPLICATION (FOLIAR)	DOSE PER APPLICATION (ROOT)
HORTICULTURAL CROPS	1,5-2.0 L / HECTARE (OR 1000L)	2.0 L / HECTARE
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WOODY CROPS	1,5-2.0 L / HECTARE (OR 1000L)	2.0 L / HECTARE
CANABISS	1,5-2.0 L / HECTARE (OR 1000L)	2.0 L / HECTARE
HYDROPONICS	1,5-2.0 L / HECTARE (OR 1000L)	2.0 L / 1000 L
<u>GRASS</u>	<u>SMALL: (100 ML/10,000 CELLS)</u>	<u>SMALL: (1L/10,000 CELLS)</u>
<u>EXTENSIVE CROPS</u>	<u>MEDIUM: (100 ML/6,750 CELLS)</u>	<u>MEDIUM: (1L/6,750 CELLS)</u>
<u>SEEDBEDS</u>	<u>LARGE: (100 ML/5,000 CELLS)</u>	<u>LARGE: (1L/5,000 CELLS)</u>

AGRO TECH LAB

V O O D O O



INGREDIENTS

BACILLUS AMYLOLIQUEFACIENS	1.0×10^7 CFU/ML
VITAMINS	0,18 % w/w
HUMIC ACID	0,78 % w/w
SEAWEED EXTRACT	0,32 % w/w

KEY FEATURES

- **BROAD-SPECTRUM DISEASE CONTROL:**
- PRODUCES ANTIBIOTICS, ENZYMES, AND ANTIFUNGAL COMPOUNDS TO INHIBIT DISEASES LIKE FUSARIUM, PHYTOPHTHORA, AND RHIZOCTONIA.
- **PLANT GROWTH PROMOTION:**
- ENHANCES NUTRIENT UPTAKE WITH SIDEROPHORES AND ENZYMES, IMPROVING SOIL FERTILITY AND PLANT VIGOR.
- STIMULATES ROOT DEVELOPMENT AND PROLIFERATION WITH PLANT GROWTH-PROMOTING HORMONES (AUXINS).
- **ENVIRONMENTAL SUSTAINABILITY:**
- REDUCES RELIANCE ON SYNTHETIC CHEMICALS, SUPPORTING INTEGRATED PEST MANAGEMENT (IPM) PRACTICES.
- IMPROVES SOIL HEALTH THROUGH BIOLOGICAL NUTRIENT CYCLING AND ORGANIC MATTER DECOMPOSITION.
- **VERSATILE APPLICATION METHODS:**
- SUITABLE FOR SEED TREATMENT, SOIL INOCULATION, OR FOLIAR SPRAY, PROVIDING FLEXIBILITY IN APPLICATION.
- COMPATIBLE WITH ORGANIC FARMING PRACTICES, ALIGNING WITH SUSTAINABLE AGRICULTURE STANDARDS.

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PRODUCT DESCRIPTION

IN THE MODERN AGRICULTURAL LANDSCAPE, WHERE THE QUEST FOR SUSTAINABLE AND EFFECTIVE FARMING SOLUTIONS IS PARAMOUNT, VOODOO EMERGES AS A TRANSFORMATIVE PRODUCT DESIGNED TO ENHANCE CROP HEALTH, PROMOTE VIGOROUS GROWTH, AND ENSURE BOUNTIFUL HARVESTS. VOODOO COMBINES THE POWERFUL BENEFITS OF *BACILLUS AMYLOLIQUEFACIENS*, ESSENTIAL VITAMINS, HUMIC ACID, AND SEAWEED EXTRACT, CREATING A COMPREHENSIVE BIOFORMULATION THAT ADDRESSES MULTIPLE FACETS OF PLANT DEVELOPMENT AND SOIL HEALTH.

- *BACILLUS AMYLOLIQUEFACIENS*

PRODUCT DESCRIPTION:

AT THE HEART OF VOODOO'S FORMULATION LIES *BACILLUS AMYLOLIQUEFACIENS*, A ROBUST AND VERSATILE BACTERIUM KNOWN FOR ITS EXCEPTIONAL CAPABILITIES IN PROMOTING PLANT HEALTH. THIS BENEFICIAL MICROBE COLONIZES PLANT ROOTS, ESTABLISHING A PROTECTIVE BARRIER AGAINST SOIL-BORNE PATHOGENS AND HARMFUL MICROBES. BY PRODUCING A RANGE OF ANTIMICROBIAL COMPOUNDS AND ENZYMES, *BACILLUS AMYLOLIQUEFACIENS* EFFECTIVELY SUPPRESSES DISEASES, ENHANCES ROOT HEALTH, AND IMPROVES NUTRIENT AVAILABILITY. THIS RESULTS IN STRONGER, HEALTHIER PLANTS THAT ARE BETTER EQUIPPED TO WITHSTAND ENVIRONMENTAL STRESSORS AND DELIVER HIGHER YIELDS.

VOODOO REPRESENTS A PINNACLE OF AGRICULTURAL INNOVATION, COMBINING *BACILLUS AMYLOLIQUEFACIENS*, ESSENTIAL VITAMINS, HUMIC ACID, AND SEAWEED EXTRACT INTO A POWERFUL BIOFORMULATION. THIS PRODUCT NOT ONLY ENHANCES PLANT HEALTH AND GROWTH BUT ALSO SUPPORTS SUSTAINABLE AND ENVIRONMENTALLY FRIENDLY FARMING PRACTICES. AS THE AGRICULTURAL SECTOR CONTINUES TO EVOLVE, VOODOO STANDS OUT AS A VITAL TOOL FOR FARMERS SEEKING TO ACHIEVE HIGHER YIELDS, BETTER QUALITY PRODUCE, AND A MORE SUSTAINABLE FUTURE. WITH VOODOO, THE PATH TO PROSPEROUS AND RESILIENT AGRICULTURE IS WITHIN REACH.

IN THE QUEST FOR SUSTAINABLE FARMING, VOODOO EMERGES AS A TRANSFORMATIVE PRODUCT DESIGNED TO ENHANCE CROP HEALTH AND PROMOTE VIGOROUS GROWTH. COMBINING *BACILLUS AMYLOLIQUEFACIENS* WITH HUMIC ACID, ESSENTIAL VITAMINS, AND SEAWEED EXTRACT, VOODOO ADDRESSES MULTIPLE FACETS OF PLANT DEVELOPMENT AND SOIL HEALTH.

BACILLUS AMYLOLIQUEFACIENS, A VERSATILE BACTERIUM, COLONIZES PLANT ROOTS, CREATING A PROTECTIVE BARRIER AGAINST PATHOGENS WHILE PRODUCING ANTIMICROBIAL COMPOUNDS AND ENZYMES. THIS ENHANCES ROOT HEALTH, IMPROVES NUTRIENT AVAILABILITY, AND RESULTS IN STRONGER, MORE RESILIENT PLANTS.

VOODOO'S FORMULATION IS ENRICHED WITH HUMIC ACID, ESSENTIAL VITAMINS, AND SEAWEED EXTRACT. HUMIC ACID IMPROVES SOIL STRUCTURE, WATER RETENTION, AND NUTRIENT UPTAKE. ESSENTIAL VITAMINS SUPPORT PLANT METABOLISM, AIDING IN CELL DIVISION, ENERGY PRODUCTION, AND STRESS TOLERANCE. SEAWEED EXTRACT PROMOTES ROOT DEVELOPMENT, ENHANCES NUTRIENT ABSORPTION, AND BOOSTS OVERALL PLANT VITALITY WITH NATURAL GROWTH HORMONES.

VOODOO EMBODIES A HOLISTIC APPROACH TO AGRICULTURE, REDUCING RELIANCE ON SYNTHETIC CHEMICALS AND SUPPORTING ECOLOGICAL BALANCE. ITS VERSATILE APPLICATION METHODS—SOIL DRENCHING TO FOLIAR SPRAYING—MAKE IT ADAPTABLE TO VARIOUS FARMING SYSTEMS.

IN CONCLUSION, VOODOO IS A PINNACLE OF AGRICULTURAL INNOVATION, ENHANCING PLANT HEALTH AND SUPPORTING SUSTAINABLE FARMING PRACTICES. IT STANDS OUT AS A VITAL TOOL FOR ACHIEVING HIGHER YIELDS AND BETTER QUALITY PRODUCE, ENSURING A PROSPEROUS AND RESILIENT AGRICULTURAL FUTURE.



DO NOT USE MIX OR USE BEFORE/AFTER FUNGICIDE OR COPPER BASED PRODUCT. THIS WILL CAUSE TO DECREASE THE EFFECT OF THE PRODUCT

DOSES / CROPS

CROP	DOSE PER APPLICATION (FOLIAR)	DOSE PER APPLICATION (ROOT)
HORTICULTURAL CROPS	1,5-2.0 L / HECTARE (OR 1000L)	2.0 L / HECTARE
FRUIT TREES	1,5-2.0 L / HECTARE (OR 1000L)	2.0 L / HECTARE
WOODY CROPS	1,5-2.0 L / HECTARE (OR 1000L)	2.0 L / HECTARE
CANABISS	1,5-2.0 L / HECTARE (OR 1000L)	2.0 L / HECTARE
HYDROPONICS	1,5-2.0 L / HECTARE (OR 1000L)	2.0 L / 1000 L
GRASS	SMALL: (100 ML/10,000 CELLS)	SMALL: (1L/10,000 CELLS)
EXTENSIVE CROPS	MEDIUM: (100 ML/6,750 CELLS)	MEDIUM: (1L/6,750 CELLS)
SEEDBEDS	LARGE: (100 ML/5,000 CELLS)	LARGE: (1L/5,000 CELLS)

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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%**

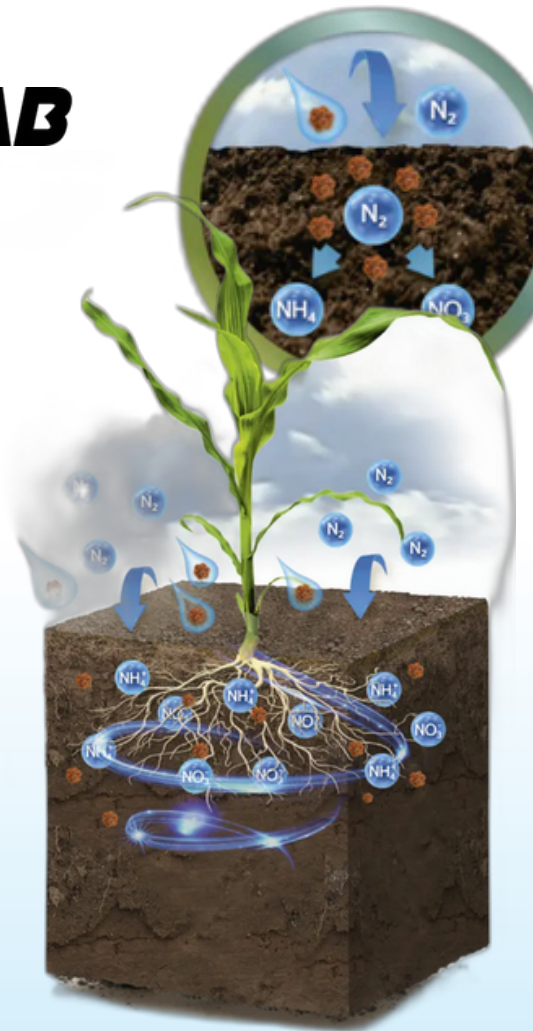
AMINO ACID PROFILE

• 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%

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