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AMENITY CATALOGUE

(GOLF / SPORTS TURF / LANDSCAPES)

VM ECO GROW

ABOUT US

VM ECOGROW, we are transforming sustainable agriculture and turf management with innovative bio-organic solutions. As the UK & Europe division of NBS, our family-owned, globally recognised manufacturer of bio-nutrient inputs—we deliver high-performance, residue-free, and climate-adaptive products. Designed for all soil types, all seasons, and all crops, our solutions enhance yields, improve soil health, and ensure long-term sustainability with zero harmful effects. Headquartered in Singapore, NBS has a strong footprint **across Australia, South Asia, Africa, the Middle East, and now Europe** through VM ECOGROW. Our extensive R&D and manufacturing expertise ensure we deliver superior bio-nutrient solutions with a **commitment to sustainability and innovation**.

We empower farmers, agribusinesses, and GreenKeepers with innovative, **eco-friendly solutions** that drive profitability while ensuring sustainable agricultural success.

Let's build a greener, healthier, and more resilient future—together!

WHY CHOOSE VM ECOGROW?

- **Manufacturer, not a Distributor** – Direct factory pricing with customised formulations tailored to your specific needs.
- **Certified Organic Inputs** – Control Union Organic Certified products, ensuring the highest quality and compliance with global standards.
- **Regenerative Agriculture Approach** – Enhances soil structure, improves nutrient availability, and strengthens plant resilience.
- **Tailor-Made Crop Programmes** – Solutions for specific challenges or entire production cycles, personalised for maximum efficiency.
- **Guaranteed Right Quality & Timely Delivery** – Each batch undergoes rigorous testing for exceptional performance and consistency.



PRODUCTS

A) FERTILISERS - LIQUID

- NBS ROOT MAX™
- NBS YIELD BOOSTER™
- NBS K-35™
- NBS CMB™
- NBS MAX SPREADER™

B) FERTILISERS - SOLIDS

- NBS MICRO NUTRIENT™
- NBS SILICON FERTILISER™
- NBS NEEM FERTILISER™
- NBS RESILICA™
- NBS GREEN COMPOST™

C) HUMATES

- NBS SAPPHIRE GRANULES™
- NBS BIO STIMULATOR™
- NBS SAPPHIRE LIQUID™

D) MICROBES AND BIO-STIMULANTS

- NBS BUG-SHIELD™
- NBS BIO-DEFENDER™
- NBS BIOGUARD™
- NBS BIO PROTECT™
- NBS PSEUDO-TECH™
- NBS MICRO-SHIELD™
- NBS SPEED COMPOST™

NBS ROOT MAX™

(Organic Fertiliser Foliar Spray)

NBS ROOT MAX™ is a premium amenity turf and soil enhancer tonic, formulated with Organic Matter, Organic Carbon, and Organic NPK to improve soil structure, nutrient availability, and overall landscape health.

Suitable for: Lawns, sports turf, golf courses, and ornamental landscapes.

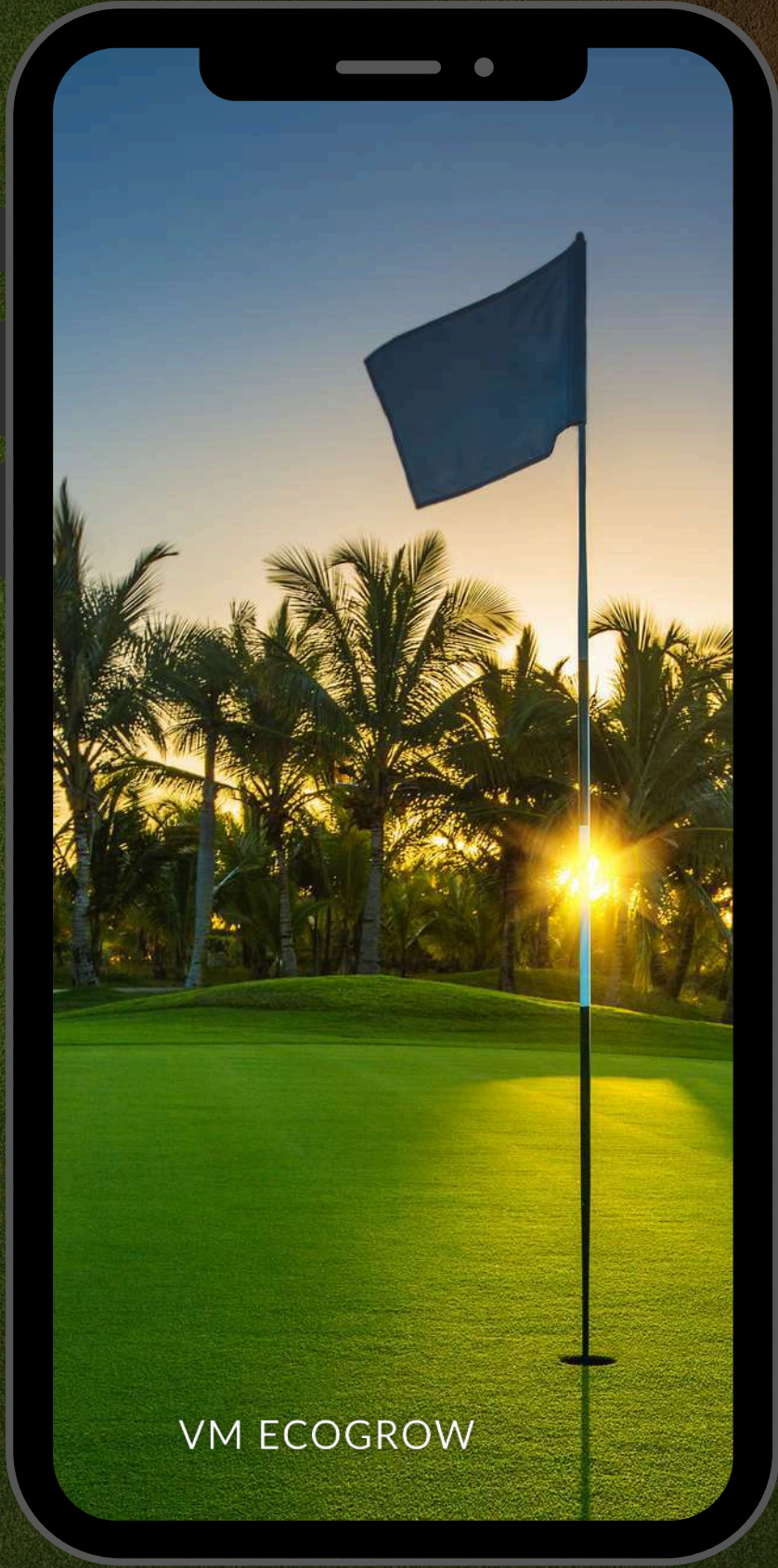
Key Performance:

- Strengthens amenity grass, shrubs, and tees against wear, drought, and stress and promotes greenery.
- Improving soil fertility structure helps reduce the thatch layer naturally by stimulating microbial breakdown activity.
- Enhances soil carbon stocks, aligning with carbon management goals.
- Supports the establishment and efficiency of microbial bio-fertilisers and bio-pesticides.
- Helps soil retain moisture and deliver nutrients efficiently for healthier landscapes.
- Safe to use on all plants and compatible with most soluble bio-nutrients.
- Organic matter holds 10x more water than sand, improving drought protection naturally.
- Boosts turf establishment after reseeding or renovation.

Growth Stage: Planting and establishment

Recommendation: Jar test before application if not sure and treat a small section of plants first to check safety of mixtures.

| Crop Application | Foliar | Fertigation/Soil Drench | Frequency Turf |
|-------------------------|---|---|--------------------------------|
| Turf–Newly Planted | 2–3 ml per Litre of water. Wet foliage to run-off | Fertigate at 300 ml//1000 m. sq. (3L/ha) Drench or soil spray, dilution 1:200 | At planting, repeat in 10 days |
| Turf–Established, Tonic | | | Repeat every 10–14 days |
| Transplant Ornamentals | | Soak pots or drench soil dilution 1:200 | At planting, repeat in 10 days |
| Nursery Landscape | | Water young stock with 1:400 dilution, increasing to 1:200 while hardening off. | As required |
| Stree Rescue Remedy | | Fertigate or Drench dilution 1:200 | As required to reduce stress |





NBS YIELD BOOSTER™

(Organic Fertiliser Foliar Spray)

NBS YIELD BOOSTER™ is an organic foliar fertiliser containing organic matter, plant-derived organic carbon, organic N-P-K, and plant extract Auxins that enhance nutrient absorption, improve plant resilience, and boost overall turf quality. Boost immediate plant vigour, improve energy conversion, and accelerate recovery after stress.

Suitable for: Lawns, Golf courses, turf, ornamental plants, and landscapes.

Key Performance:

- Enhances macro and micro-nutrient availability for sustained turf and plant health.
- Improves photosynthesis by increasing chlorophyll production, optimising energy conversion and nitrogen absorption for greener, healthier landscapes.
- Boosts plant stamina, enhances natural immunity through SAR and improves the overall health of turf and plants.
- Supports fast recovery of tees and greens after aeration, overseeding, and heavy foot traffic.
- Ideal for tournament preparation — promotes visual quality and turf resilience under pressure. Faster energy production in plants = faster healing of turf scars, divots, or wear areas.
- Organic energy boost during drought or heat waves.

Growth Stage: Throughout the growing season

Compatible in tank mixes with foliar fertilisers and other bio-nutrients under normal spraying conditions. Jar test before application if not sure, and treat a small section of plants first to check the safety of the mixture.

Dosage:

| Crop Application | Dosage | Remarks |
|--------------------------|----------------------------------|---------------------------|
| All turf and ornamentals | 2-4 ml per litre of water vigour | Very dosage with plant |
| Nurseries and young | 2 ml per litre of water | Avoid hottest time of day |

NBS K-35™

(Organic Fertiliser Foliar Spray)

NBS K-35™ is a high-analysis, ph-buffered liquid potassium complexed with organic acids, designed to overcome ph-related uptake issues and provide a super-available form of potassium to the turf. Foliar spray — ideally done before stress events (like summer heat, tournaments, or renovations).

Suitable for: Lawns, Golf, turf, ornamental plants, and landscapes.

Key Performance:

- 35% liquid Potassium (non-nitrate or sulphate form)
- Organic acid complexing ensures potassium uptake even in difficult (high ph or low ph) soils.
- Promotes greener colour, thicker leaves, stronger foliage, drought and disease resistance.
- Potassium regulates stomata and water transport inside plants.
- Ideal pre-renovation tonic — boosts turf strength before aeration and topdressing
- Balances nitrogen inputs for controlled, stronger growth and resilience.
- Supports healthy leaf development and overall plant resilience, naturally.

Application:

NBS K-35™ is safe to use on all turf and landscapes and is compatible with most soluble fertilisers and pesticides. Jar test before application if not sure and treat a small section of plants first to check the safety of mixtures. Where higher water rates are required for good foliar coverage, do not exceed the maximum product rate per hectare. Sensitive foliage or plants should be test sprayed before full-scale application.

Stress Reduction:

Apply at least 2 weeks prior to a mechanical renovation or any environmental stress event to speed recovery and help reduce turf damage.

All Growth Stages: Assists with increasing leaf size and photosynthetic efficiency.

Dosage:

| Crop | Dosage | Remarks |
|---------------------------|--|---|
| Turf farms & Turf Nursery | 0.5-1.0 L/ 100 L of water (Max 5 L/ha) | Foliar rate, avoid applying within one week of copper fungicide sprays. Use a minimum of 400 L/ha of water. |
| Fairways, Tees & Greens | 0.5-1.0 L/ 100 L of water (Max 5 L/ha) | |

Important: Do not spray if copper hydroxide residue may be present.





Dosage:

| Crop Application | Dosage | Remarks |
|--|--|---|
| Vegetable, flowers, shrubs and trees | Foliar: 1 L/100 L of water (max. 2 L/acre) | Vary rate with plant vigour. Start 3-4 weeks before flowering. Apply 2 sprays, 10-14 days apart. |
| Orchards & Vineyards | Foliar: 1 L/100 L of water (max. 2.8 L/acre) | |
| All fruit and vegetable crops | Soil: 2-4 L/acre Soil drench: 2 mL/litre | Apply every 2-3 weeks or more frequently to avoid calcium deficiency if there's any. Don't apply with soluble fertilisers containing phosphates or sulphates. |
| Broadacre Field Crops | Foliar 0.8 L/acre | Use a min. 50 L water /acre, apply before canopy closure. |
| Nurseries and young plants | Foliar: 0.5 mL/L of water | Apply every 10-14 days, avoid hottest time of the day |
| NOTE: Can be tank mixed with NBS K-35™ at 1.25 L/acre to enhance plant resilience and increase vigour. | | |

NBS CMB™

(Organo-Mineral Fertiliser)

NBS CMB™ is a synergistic blend of organic calcium, organic magnesium, and organic boron, enriched with natural complexing agents and plant growth promotants, supporting turf density, durability, energy production, and uniform regrowth.

Suitable for: Golf, cricket square, football grounds, sports pitches, ornamental plants, shrubs, and tees.

Key Benefits:

- **Enhances Turf Density & Strength** – Maximiser cell division for better leaf structure, stronger roots, and Natural complexing agents improve mineral absorption, avoiding nutrient lock-up..
- **Boosts Photosynthesis & Brix Levels** – Increases chlorophyll density and synergises phosphorus uptake, improving energy production and turf colour.
- **Supports Flowering & Regrowth** – Aids in bud development, pollen ripening, and post-stress recovery, improving regrowth after mowing, aeration.
- **Strengthens Cell Membranes & Moisture Retention** – Helps turf withstand environmental stress, foot traffic, and nutrient fluctuations. Enhances resistance against leaf spot, anthracnose, and general turf diseases naturally.
- **Compatible with Bio-fertilisers & Bio-Pesticides** – Functions as a microbial stimulant to improve soil microbial activity and nutrient uptake. Supports turf in sand-based soils where calcium and boron deficiencies are common.
- Essential for summer drought preparation and tournament conditioning.

Recommendation:

NBS CMB™ is safe to use on all plants at recommended rates and compatible with most soluble fertilisers and pesticides. Jar test before application if not sure, and treat a small section of plants first to check the safety of mixtures.



NBS MAX SPREADER™

(Liquid fertiliser - Spreader)

NBS MAX SPREADER™ is an economical, versatile, and highly effective spreader/surfactant formulated from natural materials, including organic carbon and non-ionic silicon compounds derived from rice husk. It is designed to enhance the spread, adhesion, and penetration of liquid fertilisers and other soil treatments, ensuring even coverage and improved nutrient availability.

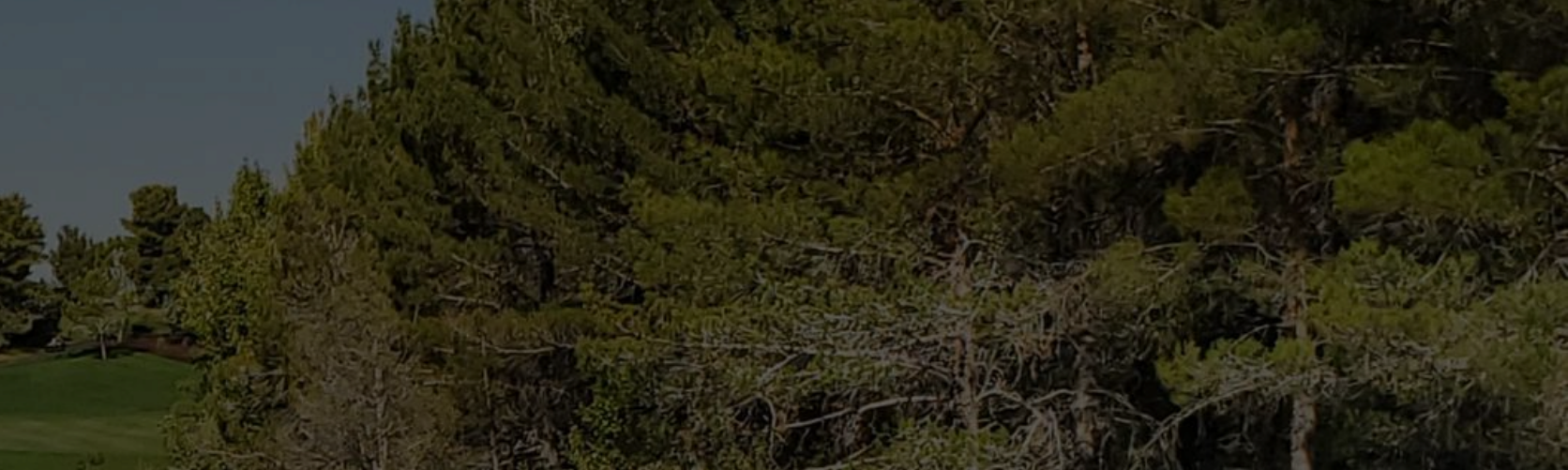
Suitable for: Lawns, golf courses, Bowling greens, sports turf, and ornamental landscapes.

Key Performance:

- **Superior Spreading & Coverage** – Reduces surface tension; spray droplets spread thinner, cover more area, stick better, and absorb faster. Reduces bounce-off and run-off losses on sloped or sandy greens.
- **Enhanced Penetration & Uptake** – Allows nutrients and treatments to reach deeper into plant cells and root zones. Ideal for fine turf management – ensures perfect coverage on golf greens and bowling greens.
- **Improved Turf Health & Strength** – Provides silicon to strengthen cell walls and enhance stress resistance, with silicon nanoparticles enabling faster leaf cuticle absorption.
- **Cost-Effective Performance** – Increases treatment efficiency by 30% and reduces input costs by up to 25–30%, making it one of the world's most economical spray optimisers and environmentally safe spreaders for low-input stewardship programs.
- **Versatile & Compatible** – Works with all foliar fertilisers, bio-stimulants, bio-nutrients, and soil applications.

Dosage:

| Crop Application | Dosage | Remarks |
|--|----------------------------------|---|
| For general liquid fertiliser applications | 10 ml per 100 litres of water | Add last to the tank when at least 80% full. |
| Fairways, Tees & Greens | 25-30 ml per 100 litres of water | Use enough water to cover the area thoroughly. |
| As a soil wetter | 100 ml per 100 litres of water | Direct soil spray to improve water penetration. |



NBS MICRO NUTRIENT™

(Solid Fertiliser- Amino Acid Chelated)

NBS MICRO NUTRIENT™ is an organic amino-acid chelated fertiliser formulated for foliar spray and soil application, combining natural organic matters and plant extracts blended for maximum bioavailability, tolerability, safety, and plant absorption. This formulation includes Fe, Mg, Zn, Cu, Mn, B, Mo, and Organic Nitrogen, providing essential nutrients to bolster plant health and productivity.

Suitable for: Lawns, turf, golf, ornamental plants, sports pitches, and landscapes.

Key Benefits:

- Enhances Turf Strength & Structure – Strengthens cell walls for improved durability and stress resistance.
- Boosts Photosynthesis & Colour – Increases chlorophyll density for a richer, greener appearance.
- Improves Nutrient Uptake & Metabolism – Supports root activity and overall plant health.
- Aids in Stress Tolerance & Recovery – Helps turf withstand environmental stress and maintain growth.
- Encourages Strong Root Development – Enhances soil-to-root nutrient transfer for deeper, healthier roots
- Improves water movement within plants.

Growth Stage: Throughout the growing season.

Dosage:

| Application Method | Dosage | Remarks |
|--------------------|--|---|
| Foliar | 1.5 g/L of water | When required alone or in combination with other foliar or soil applied liquid fertilisers. |
| Soil | 2.5 g/L of water (do not exceed 250 g/1000 m. sq. or 2.5 kg/ha | Use enough water to cover the area thoroughly. |





NBS SILICON FERTILISER™

(Solid fertiliser)

NBS SILICON fertiliser™ is a soil-applied formula enriched with Organic Matter, SiO₂, CaO, MgO, Zn, and Cu. It contains silicon in an amorphous form, ensuring safe handling and application, unlike crystalline silicon, which may cause respiratory discomfort or adverse reactions.

Soon after application, NBS SILICON FERTILISER™ will disperse into fine particles in contact with moisture, releasing Silicon into the soil. The silicon component attaches to the soil colloids and prevents phosphorus from being locked- up soon after application. The organic matter content of NBS Silicon Fertiliser™ will help complex soil nutrients to extend their availability.

Silicon has an important role in the uptake and vascular transport of mineral nutrients and can greatly improve the mechanical "strength" and plant resistance to fungal diseases and wear and tear with intensive use.

Suitable for: Golf courses, Lawns, sports turf, ornamental plants, and landscapes.

Key Benefits:

- High-analysis, granular silicon fertiliser in a safe amorphous form.
- Strengthens the plant cuticle barrier, enhancing resistance to environmental stressors.
- Prevents phosphorus lock-up in acidic soils.
- Improves water movement within the xylem.
- Forms a root barrier to reduce sodium uptake.
- Enhances Systemic Acquired Resistance (SAR).
- Boosts photosynthetic efficiency by optimising leaf orientation toward sunlight.

Application:

NBS SILICON fertiliser™ is a granular solid that can be seamlessly blended with other solid fertilisers and compost-based fertilisers for efficient application. It rapidly breaks down into fine particles upon contact with moisture, ensuring quick availability to plants.

Dosage:

| Crop | Dosage | Remarks |
|---------------------------|--|--|
| General soil application | 6.25 - 12.50 kg per 1000 m. sq. | Ideally applied at soil preparation time and top-dressed any time after. Water in immediately after application to gain maximum benefit. |
| Fairway & Landscape Trees | 2.5 g/L of water (do not exceed 250 g/1000 m. sq. or 2.5 kg/ha | Per plant, water in after application |

NBS NEEM FERTILISER™

(Organic Fertiliser for Turf and Ornamental Applications)

NBS NEEM FERTILISER™ is a premium organic fertiliser specifically formulated with organic matter, nitrogen, carbon, phosphorus, potassium, and azadirachtin, designed to revitalise soil health and support robust plant growth. It offers an eco-friendly solution for golf courses, sports fields, and ornamental gardens, improving soil structure and enhancing plant resilience against environmental stresses.

This product is ideal for golf courses (greens, tees, and fairways), sports turf, professional lawns, and ornamental landscapes. It's particularly effective in high-traffic areas, stress-prone environments, and wherever premium turf quality is required.

Key Benefits:

- **Dual Functionality:** Acts as both an organic fertiliser and a natural turf strengthener.
- **Soil Health Enhancement:** Improves soil fertility and supports beneficial microbial activity.
- **Sustainable Turf Management:** Aligns with eco-friendly practices in amenity horticulture.
- **Enhanced Turf Quality:** Promotes denser, greener turf with improved wear tolerance.
- **Root System Development:** Supports strong root growth, enhancing stress resistance.
- **Enhances Turf Resilience:** Supports overall turf health, potentially improving its ability to withstand various environmental stresses and recover from general root-zone challenges.

Dosage:

| Crop | Dosage | Remarks |
|--|--|--|
| Soil applied to turf, gardens and landscape plants | 6.25 - 12.50 kg per 1000 m. sq. | Apply alone or mix with top-dressing soil and sand. Water after application. |
| Fairway & Landscape Trees | 2.5 g/L of water (do not exceed 250 g/1000 m. sq. or 2.5 kg/ha | Per plant, water in after application |



NBS ReSilica™

(Advanced Organic Turf & Landscape Fertiliser)

NBS ReSilica™ is a premium organic fertiliser and soil conditioner specifically formulated for high-performance turf and ornamental landscapes. Its unique composition includes 12% calcium, 8-10% silicon (Sio2), 35-40% organic carbon, and 12% sulphur, along with plant biostimulants and a balanced NPK ratio. This innovative blend strengthens plants ' physical and biochemical defences, enhances nutrient uptake and improves overall soil health.

This product is ideally suited for golf courses (greens, tees, and fairways), football goalmouths and rugby scrum areas, sports fields, professional lawns, and ornamental landscapes. It's particularly effective in high-traffic areas, stress-prone environments, and wherever premium turf quality is required. NBS ReSilica™ is also excellent for maintaining the health and vigour of ornamental trees and shrubs in landscaped areas.

Key benefits include:

- **Improved Turf Density and Colour:** Enhances overall appearance and health
- **Enhanced Wear Tolerance:** Ideal for high-traffic areas on golf courses and sports fields
- **Increased Resistance:** Reduces the need for fungicides and other chemical treatments
- **Better Drought Tolerance:** Helps turf survive periods of low rainfall, helps displace sodium (Na+), improving sodic or compacted soils.
- Improved nutrient efficiency optimises uptake and utilisation of essential elements, promoting stronger root development and enhanced photosynthetic efficiency for healthier, more vigorous plant growth.
- **Supports Beneficial Soil Microorganisms:** Encourages a healthy soil ecosystem
- Ideal for low-carbon, overworked soils, such as golf greens that are sand-dominated and routinely topdressed.
- Protects phosphorus from lock-up in acidic soils, improves water movement in the xylem.
- Forms silicon layers in the cuticle and epidermis of leaves, stems, and roots, enhancing mechanical strength.

Application:

NBS ReSilica™ is a granular product that can be broadcast on golf courses, sports turf, lawns and ornamental landscapes. Used alone or mixed with other granular fertilisers and compost-based fertilisers for efficient application, NBS ReSilica™ will rapidly break into fine particles in contact with moisture.

Dosage:

| Crop | Dosage | Remarks |
|---|---------------------|---|
| General Soil Application, Fairways and Tees | 15-30 kg per 1000m² | Ideally applied at soil preparation time and as a top-dressing. Water in immediately after application for maximum benefit. |
| Fairway & Landscape Trees | 15-30 kg per 1000m² | Spread evenly around the tree. |



NBS GREEN COMPOST™

(Sustainable Compost fertiliser & Soil Conditioner)

Produced from recycled green waste under controlled conditions, NBS Green Compost™ is a nutrient-rich, humified compost that enhances soil fertility and supports beneficial soil microbiology. It is carefully screened to remove larger particles, retaining the essential minerals and biology that promote plant health. Suitable for Turf, lawns, ornamental plants, and landscapes. Various agricultural and landscaping applications, including eco-mulching and soil conditioning.

Key Benefits:

- Improves soil structure, fertility, and microbial activity
- Enhances moisture retention when used as mulch
- Reduces weed growth by limiting light exposure to the soil surface
- Encourages beneficial soil fungi establishment
- Contributes to a balanced soil ecosystem

Application:

- **Pre-planting:** Incorporate into the soil before sowing or planting
- **Ongoing maintenance:** Apply as a surface mulch throughout the growing season

Dosage:

| Crop | Dosage | Remarks |
|--|-----------------------------|---|
| Soil Conditioner fertiliser | 400-500 g/m² (4-5 T/ha) | Incorporate to 10 cm where possible to help release minerals and inoculate the soil with beneficial biology. |
| As an Eco-Mulch | 5-10 cm blanket application | Surface application up to 10 cm thick will retain moisture, control weeds, and assist beneficial fungi establishment. |
| Note: Addition of an organic microbial bio-stimulant, like NBS ROOT-MAX™, will enhance benefits and stimulate plant health. | | |

NBS SAPPHIRE GRANULES™

(Humates)

NBS SAPPHIRE GRANULES™ is an organic humic acid-based soil conditioner made from premium leonardite, highly oxidised lignite rich in humic and fulvic acids. This high-quality, water-soluble potassium humate improves soil structure and nutrient availability in turf and landscape settings.

Suitable for: Lawns, golf courses, sports turf, and ornamental landscapes.

Key Performance:

- Extends the availability of soluble minerals
- Reduces fertiliser application rates by 20–25%
- Promotes the availability of phosphate through complexation. Humic acid binds to phosphorus and protects it from soil fixation.
- Humic acid slows nitrification and ammonia volatilisation by acting as a physical and chemical buffer.
- Chelates, Cation Exchange and Complex Minerals.
- Promotes beneficial fungal populations in the rhizosphere, which helps restructure compacted soils, improving aeration and drainage.
- Buffering against high sodium, salinity, heavy metals, and ph extremes
- Helps Mitigate Leaching in High-Rainfall Zones
- Improves nutrient uptake efficiency, water retention and plant resilience in challenging soils.

Application:

- **Physical Blends with Fertilisers:** Mix with dry, granular fertilisers to extend the availability of soluble minerals.
- **Blends with Top-Dressing Soil, Sand, and Compost:** Thoroughly mix with top-dressing sand or screened compost and apply.

Dosage:

| Crop | Dosage | Remarks |
|--|--|---|
| Physical Blends with Fertilisers | 5% of total blend (e.g., 5 kg of granules with 95 kg of urea, DAP/MAP) | Total fertilizer blend application rates may be reduced by 15–20%. |
| Blends with Top-Dressing Soil, Sand, and Compost | Spread 2–4 kg per 1000m² | Thoroughly mix with top-dressing sand or screened compost and apply as soon as possible |





NBS BIO STIMULATOR™

(Humates)

NBS BIO STIMULATOR™ is formulated with organic matter, organic calcium, and organic carbon. It disperses in the soil upon contact with moisture, releasing nutrients gradually while chelating soil nutrients to bolster plant absorption. It also supports beneficial soil microbes and restores natural cycles. A slow-release formula, it remains active for over two months, making it ideal for application under mulching paper.

Suitable for: Golf courses, tees and fairways, sports turf, lawns, and landscape plantings.

Key Performance:

- The product slowly releases nutrients as soil moisture activates it, making it ideal under mulch or turf canopies where moisture persists.
- Acts as a prebiotic for beneficial soil microbes, which stimulates faster organic matter breakdown and improves soil respiration and texture.
- Calcium enhances cell wall strength in turfgrass, reducing susceptibility to fungal diseases, while also displacing sodium in sodic soils to flocculate clay particles and improve soil structure and drainage.
- Organic Matter Improves nutrient availability and uptake through chelation, contributing to better soil fertility.
- By stimulating rhizosphere biology, it helps turf roots develop natural resistance to diseases..
- Compatible with approved seaweed extracts, biochar, composts, and approved microbial inputs — making it versatile and regulation-compliant.
- Used in pre-season or post-season turf renovation, it builds root mass and encourages stronger regrowth without the burn risk of synthetic fertilisers.

Application:

- **General Soil Application:** Apply at soil preparation time and top-dress at any time after application for maximum benefit.
- **Fairway and Landscape Tees:** Apply per plant and water after application.

Dosage:

| Crop | Dosage | Remarks |
|----------------------------|---------------------|---|
| General Soil Application | 15-30 kg per 1000m² | Ideally applied at soil preparation time and top-dressed at any time after application for maximum benefit. |
| Fairway and Landscape Tees | 50-100 g | Per plant, water in after application. |

NBS SAPPHIRE LIQUID™

(Humates)

A concentrated liquid carbon for use as a fertiliser stabiliser and magnifier, plant growth promoter, soil life activator and soil conditioner.

Suitable for Golf courses, sports turf, and landscapes, it ensures prolonged nutrient availability while reducing fertiliser usage by 15–20%.

Key Benefits:

- Helps stabilise liquid formulations of urea and other sources of nitrogen.
- Holds soluble nutrients in the root zone, minimising leaching losses.
- Buffers sodium and complex heavy metals in soil and irrigation water, reducing crop stress and soil contamination.
- Stimulates beneficial soil fungi, improving soil microbial activity.
- Enhances soil structure and increases water-holding capacity.
- Promotes root branching, expanding root volume for better nutrient uptake.
- Improves nutrient absorption, leading to stronger, healthier plants.
- Simple & convenient to measure, mix, and apply.

Application:

Agitate the spray tank during application. Do not pre-mix or store in diluted form. Seal lid/cap immediately after use.

Dosage:

| Crop Application | Dosage | Remarks |
|-------------------|-------------------------|---|
| Fairways and Tees | 20 L/ha per application | Apply monthly for best results. Avoid mixing with strongly acidic fertilizer solutions as efficacy may be reduced. |
| Foliar Sprays | 2 L/100 litres | Some spray residues may remain on leaves. This is not harmful, and the next irrigation or rainfall will wash residues into the soil where the product remains active. |

NBS BUG-SHIELD™

(Organic Botanical Biostimulant)

NBS BUG SHIELD™ is an organic botanical formulation composed of organic matter, organic carbon, natural NPK (Nitrogen, Phosphorus, Potassium), carrier oils, and spice oils. This unique blend not only serves as an effective plant nutrient but also simulates plants' vigour against various environmental stressors, promoting overall plant health and vitality.

Suitable for: Golf courses, lawns, sports turf, and ornamental landscapes.

Key Performance:

- Enhances overall plant health and resilience by increasing cuticle thickness, making it harder for insects to pierce.
- Promotes denser, greener turf with improved wear tolerance.
- Soil health enhancer with 60% organic matter and 28% carbon.
- Contributes to healthier soil environments when used during turf renovation or landscape bed preparation
- NBS Bug-Shield boosts plants’ natural defences, enhancing stem strength, foliage resilience, and stress tolerance in high-traffic areas.
- Promotes a clean growing environment by introducing strong aromatic plant compounds known to discourage soil- and leaf-surface challenges.

Application: Can be applied in combination with other fertilisers and organic products as a foliar spray or soil application.

Dosage:

| Crop Application | Dosage | Remarks |
|----------------------------------|--------------------------|---|
| Foliar Spray | 2 mL per Litre water | Cover all sides of the leaf. |
| Soil Application Spray/Drench | 2 Litres per 200 L water | Some spray residues may remain on leaves. This is not harmful, and the next irrigation or rainfall will wash residues into the soil where the product remains active. |





NBS BIO-DEFENDER™

(Microbes and Bio-Stimulants)

BIO-DEFENDER™ is a talc-based formulation enriched with naturally occurring beneficial microbes, including *Beauveria bassiana*, *Metarhizium anisopliae*, and *Lecanicillium lecanii*. It is designed to enhance the soil microbiome and promote overall plant health in turf and landscape settings.

Suitable for: Golf courses, lawns, sports turf, and ornamental landscapes.

Key Performance:

- **Cultivate Championship Soil:** Enrich your greens, fairways, and tees with beneficial microbes, fostering a thriving soil ecosystem that's the envy of every golf course.
- **Unlock Premium Nutrient Efficiency:** Optimise nutrient cycling and availability, fuelling explosive growth and lush, tournament-ready turf.
- **Fortify Against Nature's Challenges:** Empower your turf to withstand environmental pressures through superior soil health, ensuring your course stays in top form year-round.
- **Harmonise Your Soil's Potential:** Support the delicate balance of natural processes in your soil, creating the perfect foundation for world-class playing conditions.

Application:

Apply NBS BIO DEFENDER™ to the soil during soil preparation or at planting. Repeat every 2-4 weeks or when in warm conditions. Spray foliage and stems to runoff. Repeat fortnightly as a protectant, depending on the situation and need. For best results, mix a measured amount of NBS BIO-DEFENDER™ in water and allow to soak for up to 1 hour before application. Make spray dilution and maintain good agitation during application. Jar test before application if not sure, and treat a small section of plants first to check the safety of the mixture.

Dosage:

| Crop Application | Dosage | Remarks |
|------------------|----------------------------|-------------------------------|
| Foliar Spray | 3 grams per litre of water | Cover both sides of the leaf. |
| Soil Drenching | 5 grams per litre of water | Apply over 10 m². |

Note: Addition of an organic microbial bio-stimulant, like NBS ROOT-MAX™, will enhance the benefits and stimulate plant health.

NBS BIO-GUARD™

(Microbes and Bio-Stimulants)

NBS BIO-GUARD™ is an innovative organic botanical formulation designed to enhance turf and ornamental plant health in high-performance environments. Its unique blend of natural ingredients, including Azadirachtin and a silicone-based spreader, offers superior wetting and penetration properties to support plant resilience and soil vitality.

Suitable for: Golf course, greens, tees, and fairways, Sports turf and stadium pitches, High-traffic lawns and ornamental landscapes, Professional landscape installations, bowling greens, schools, etc.

Key Performance Benefits:

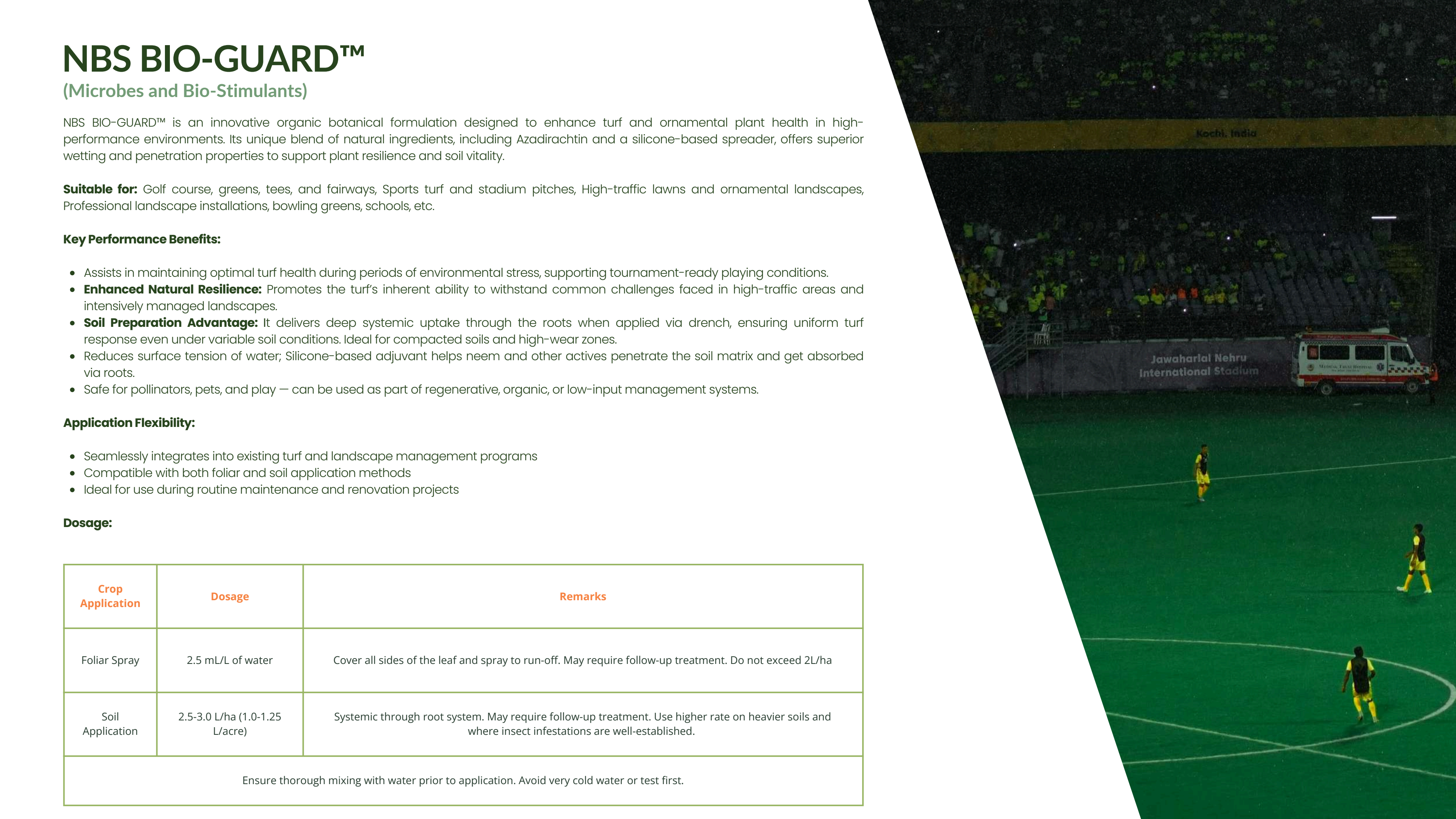
- Assists in maintaining optimal turf health during periods of environmental stress, supporting tournament-ready playing conditions.
- **Enhanced Natural Resilience:** Promotes the turf’s inherent ability to withstand common challenges faced in high-traffic areas and intensively managed landscapes.
- **Soil Preparation Advantage:** It delivers deep systemic uptake through the roots when applied via drench, ensuring uniform turf response even under variable soil conditions. Ideal for compacted soils and high-wear zones.
- Reduces surface tension of water; Silicone-based adjuvant helps neem and other actives penetrate the soil matrix and get absorbed via roots.
- Safe for pollinators, pets, and play — can be used as part of regenerative, organic, or low-input management systems.

Application Flexibility:

- Seamlessly integrates into existing turf and landscape management programs
- Compatible with both foliar and soil application methods
- Ideal for use during routine maintenance and renovation projects

Dosage:

| Crop Application | Dosage | Remarks |
|--|--------------------------------|---|
| Foliar Spray | 2.5 mL/L of water | Cover all sides of the leaf and spray to run-off. May require follow-up treatment. Do not exceed 2L/ha |
| Soil Application | 2.5-3.0 L/ha (1.0-1.25 L/acre) | Systemic through root system. May require follow-up treatment. Use higher rate on heavier soils and where insect infestations are well-established. |
| Ensure thorough mixing with water prior to application. Avoid very cold water or test first. | | |





NBS BIO PROTECT™

(Organic Mineral Solution for Golf Courses, Lawns & Turf Health)

NBS BIO PROTECT™ is an organically certified formulation designed to enhance turf and landscape vitality. Combining organic matter, plant extract auxins, mineral sources of potassium and phosphorus, it supports plant health, strengthens natural defences, and promotes robust growth.

Suitable for: Lawns, golf courses, sports turf, and ornamental landscapes.

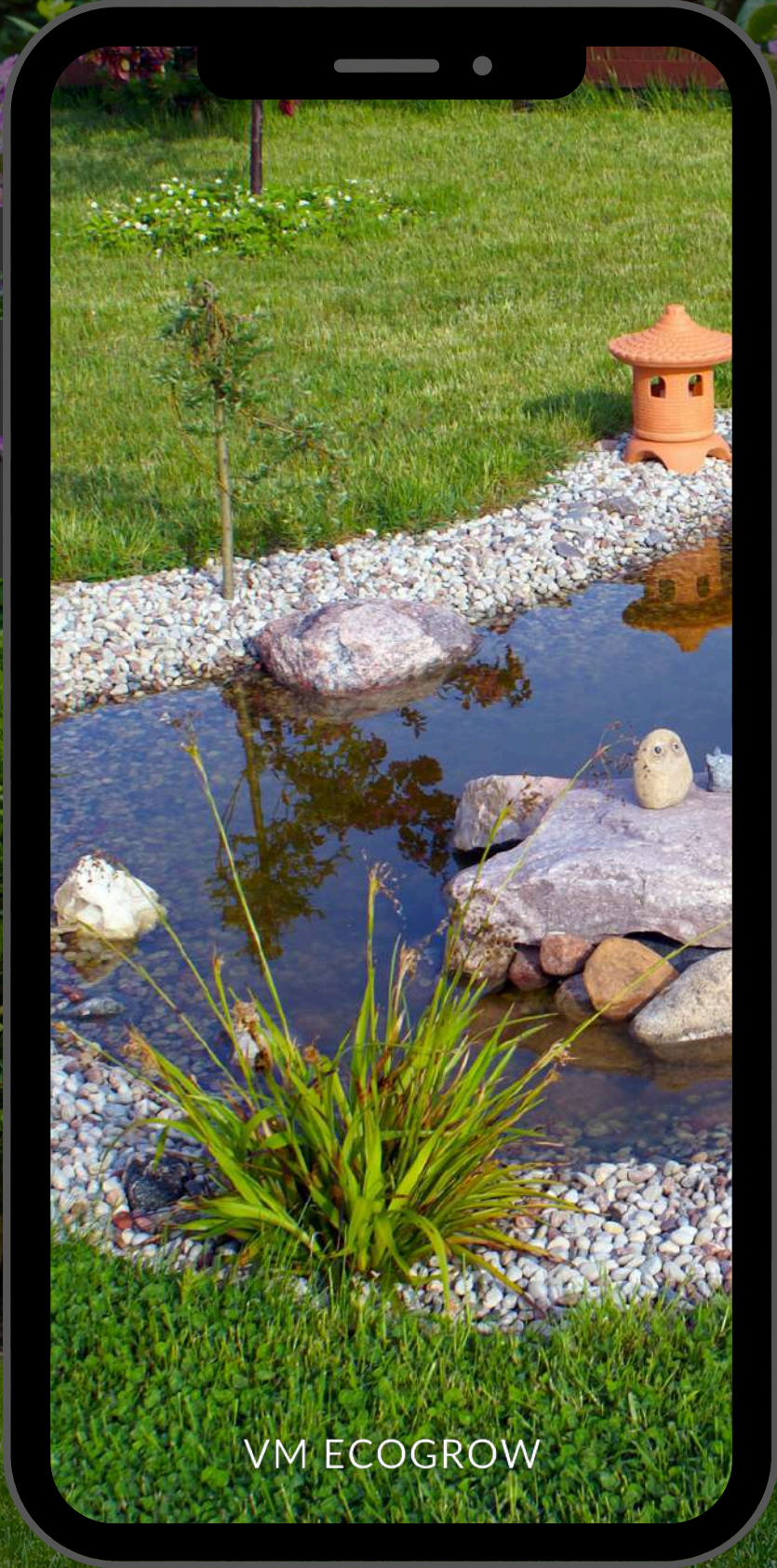
Key Performance:

- **Dual Functionality:** Natural auxins and minerals (such as phosphorus and potassium) support the plant’s natural physiological processes, including those associated with Systemic Acquired Resistance (SAR) and Induced Systemic Resistance (ISR), contributing to overall plant health and resilience.
- **Draught & Stress Resilience:** Potassium is essential for stomatal regulation, reducing water loss under stress. Phosphorus supports root growth and energy metabolism (ATP).
- **Improves plant immunity:** Auxins and potassium support plant tolerance to abiotic stress by promoting the production of beneficial plant compounds and strengthening cell walls.
- **Improved Turf Quality:** Enhances colour, thickness, and recovery after wear or damage.
- **Eco-Friendly:** Leaves no harmful residues and supports sustainable turf management practices.
- Feeds beneficial soil microbes, helping to promote a balanced and healthy soil microbiome.

Application: When applied alone or with fertilisers, there is no withholding or re-entry period restriction for NBS BIO PROTECT™. Allow at least 4 hours for the product to dry on the leaf before resuming any irrigation. Avoid mowing for 24 hours after application.

Dosage:

| Crop Application | Dosage | Remarks |
|---------------------------------------|---|---|
| Golf Greens, Fine Turf, and Landscape | 2 gm per litre of water (or 125 g/1000m²) | Apply every 14-21 days. |
| Fairways | 125-250 gm per 1000 m² (1.25-2.5 kg/ha) | Apply as required. |
| Individual Tree Protection | 2 gm per litre of water | Drench around the root system. May require repeat treatments. |



NBS PSEUDO TECH™

(Microbial Plant Health Enhancer for Premium Turf and Landscapes)

PSEUDO TECH™ is an advanced microbial solution featuring beneficial *Pseudomonas fluorescens*, specifically formulated for high-performance turf and ornamental landscapes. This innovative product supports plant health by enhancing natural defence mechanisms and promoting beneficial soil microbial activity, resulting in more resilient and vibrant turf and ornamentals. Suitable for Golf courses (greens, tees, and fairways), sports turf and athletic fields, High-end lawns and ornamental gardens, Commercial Landscaping etc.

Key Benefits:

- Enhanced Turf immunity: Supports the turf's and plants' natural ability to withstand environmental stresses, maintaining playability and aesthetic appeal.
- Soil Health Optimisation: Promotes beneficial microbial activity in the root zone, improving nutrient cycling and soil structure.
- Eco-Friendly Solution: Safe for use around people, pets, and beneficial organisms, aligning with sustainable management practices.
- Versatile Application: This can be applied as a soil drench or foliar spray, integrating seamlessly into existing maintenance programs.
- Season-Long Performance: Assists in maintaining turf and ornamental quality throughout the growing season, even under challenging conditions.

Application:

Apply to the soil during soil preparation. Repeat every 2-4 weeks or when conditions favour an imbalance in the soil. As a support for overall plant health, spray foliage and stems to prevent runoff.
For best results, mix a measured amount of NBS PSEUDO-TECH™ in water and allow to soak for up to 1 hour before application. Make spray dilution and maintain good agitation during application.

Dosage:

| Crop Application | Dosage | Remarks |
|------------------|----------------------------|--------------------|
| Foliar Spraying | 3 grams per litre of water | Spray to run-off. |
| Soil Drenching | 5 grams per litre of water | Spread over 10 m². |

Note: Add NBS Bio-Protect™ and NBS Root Max™ at label rates for improved results.

NBS MICRO SHIELD™

(Beneficial Microbial Bio-Inoculant for Soil & Plant Health)

NBS MICROSIELD™ is a talc-based formulation containing beneficial microorganisms, including Trichoderma harzianum, Trichoderma lignorum, and Trichoderma koningii. These naturally occurring microbes are known to promote root growth, enhance nutrient uptake, and improve overall plant health. This product is environmentally friendly and safe for use around children, pets, and beneficial organisms.

Suitable for: Lawns, golf courses, sports turf, and ornamental landscapes.

Key Performance:

- **Microbial Soil Balancer:** Introduces beneficial fungi to establish a healthier soil ecosystem.
- **Turf Resilience Booster:** Enhances natural defences against stress, wear, and disease. Boosts sward quality, density, and playing surface resilience.
- **Deep Root Stimulation:** Encourages vigorous root expansion for better water and nutrient uptake and better drought resistance. Ideal for renovation, overseeding, or establishment phases
- **Soil Enrichment Catalyst:** Improves soil aeration, structure, and organic matter retention and supports humus formation.
- **Eco-Conscious Formula:** Safe for people, pets, and the environment—zero harmful residues.

Application:

- General Use: Spray foliage and stems to run off. Repeat every 2-4 weeks. Dip seeds, seedlings, or cuttings in this solution just before planting.
- Replanting Greens, Tees, and Fairways: Soil drench 2 weeks before planting. Repeat in 2 weeks, then monthly. Spray foliage and stems to run off. Repeat every 2-4 weeks. Dip seeds, seedlings, or cuttings in this solution just before planting.

Dosage:

| Crop Application | Dosage | Remarks |
|------------------|----------------------------|--------------------|
| Foliar Spraying | 3 grams per litre of water | Spray to run-off. |
| Soil Drenching | 5 grams per litre of water | Spread over 10 m². |

Note: Add NBS Bio-Protect™ and NBS Root Max™ at label rates for improved results.





NBS SPEED COMPOST™

(Organic Compost Accelerator for Rapid Decomposition & Soil Enrichment)

NBS SPEED COMPOST™ is a powerful organic manure formulation enriched with cellulolytic composting microbes, including Azotobacter chroococcum, Bacillus polymyxa, Pseudomonas fluorescens, Trichoderma, and Chaetomium. These beneficial microorganisms actively break down organic matter, accelerating the composting process while improving soil fertility. By producing essential enzymes such as cellulases, proteases, and amylases, they efficiently convert raw compost, straw, and organic residues into nutrient-rich humus. This process enhances soil health, boosts microbial diversity, and maximises nutrient availability, creating an ideal foundation for vigorous plant growth. Suitable for golf courses, sports fields, ornamental landscapes, and turf renovation projects. Ideal for composting organic waste from turf maintenance, grass clippings, and landscape trimmings to improve soil quality and sustainability.

Key Performance:

- **Rapid Composting:** Accelerates the decomposition of organic waste, producing nutrient-rich compost in as little as 3 weeks.
- **Soil Fertility Enhancement:** Enriches soil with essential nutrients, promoting healthier and more resilient turf.
- **Boosts microbial activity:** Stimulates beneficial soil microbes for improved soil structure and moisture retention.
- **Efficient Organic Waste Recycling:** Enables efficient recycling of organic waste into stable, reusable compost.
- **Eco-Friendly Solution:** Non-toxic and residue-free, supporting sustainable turf management practices

Application:

- **Compost Starter:** Add to organic waste or manure while making compost piles. Keep moist and covered for quicker conversion to compost.
- **Soil Application:** Spread evenly and irrigate to incorporate. Crop residues on the soil surface can be lightly incorporated for best results.

Dosage:

| Crop Application | Dosage | Remarks |
|------------------|-------------------------------------|---|
| Compost Starter | 500 g/m³ of organic waste or manure | Add to FYM or crop residue while making compost piles no more than 3 m wide and 2 m high. Keep moist and covered for quicker conversion to compost. |
| Soil Application | 4 kg + 50 kg Urea/acre | Crop residues on the soil surface can be lightly incorporated for best results. Spread evenly over 1 acre and irrigate to incorporate. |

NBS SPEED COMPOST™ compost accelerator can be used when building Farmyard Manure(FYM) static compost piles, mix with raw materials before adding to the pile. Keep moist and covered to prevent excess nitrogen losses and accelerate breakdown.

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Contact Us

We help you identify the root cause of any issue—whether it's a single problem or multiple challenges across growth stages—and provide tailored Programs to overcome them.