



## Troforte® C-Matrix

### Carbon-Integrated Biomineral Fertiliser Range

### Slow/Controlled Release Granular System

#### PRODUCT DESCRIPTION

Troforte® C-Matrix is a range of controlled-release biomineral fertiliser integrating:

1. Balanced mineral nutrition (NPK + trace elements)
2. Stabilised carbon-matrix granules
3. Integrated beneficial soil microbes

The range is formulated to support soil function, nutrient retention and biological processes across agricultural and rehabilitation systems.

Individual products within the C-Matrix range are supplied with nutrient ratios tailored to specific land management objectives.

#### RANGE COMPOSITION

All products within the Troforte® C-Matrix range contain:

##### 1. Biomineral Granular Matrix

- Balanced mineral NPK nutrition (analysis varies by product)
- Trace mineral spectrum
- Controlled-release nitrogen component
- Designed to reduce rapid nutrient loss in soil

##### 2. Carbon-Integrated Matrix Component

- Stabilised carbon-rich granulated matrix
- Derived from composted agricultural by-products
- Fully processed (not untreated organic material or raw manure)
- Supports:
  - Cation exchange capacity (CEC)
  - Moisture retention
  - Soil aggregation
  - Nutrient retention within the root zone
  - Soil biological processes

##### 3. Integrated Bio-Energetic™ Microbial Enhancement

- Multi-strain beneficial soil microbes applied during manufacture
- Supports biological nutrient cycling processes, including nitrogen cycling, phosphorus mobilisation and carbon cycling processes under suitable soil conditions
- Assists development of functional rhizosphere
- Enhances soil-root interaction

Microbial activity is influenced by soil temperature, moisture, carbon availability and site conditions.

#### TYPICAL NUTRIENT CHARACTERISTICS

Nutrient analysis varies between individual C-Matrix products. Each formulation is supplied with a specific declared NPK and trace element analysis.

Total Nitrogen within the range includes both mineral and SulSync® *slow-release nitrogen components* depending on formulation.

#### For more info, contact:

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#### NUTRIENT RELEASE & SOIL INTERACTION

Nutrient availability is influenced by:

- Soil temperature
- Soil moisture
- Soil texture and structure
- Biological activity
- Environmental conditions

The carbon-integrated matrix is designed to support nutrient retention and interaction within the soil-root system.

Release behaviour varies according to site conditions and formulation.

#### APPLICATION

Troforte® C-Matrix products are:

- Free-flowing granular fertilisers
- Compatible with standard fertiliser handling and application equipment
- Suitable for broadcast, banded or blended application
- Compatible with hydromulch and rehabilitation delivery systems (where applicable)

Application rates must be determined based on:

- Soil testing
- Site objectives
- Crop or vegetation type
- Environmental constraints

#### TARGET APPLICATIONS

- Broadacre cropping systems
- Pasture and grazing enterprises
- Horticulture and perennial tree crops
- Rehabilitation and disturbed land management
- Conventional, minimum-till and regenerative systems

#### STORAGE & HANDLING

- Store in a cool, dry location
- Protect from moisture and prolonged humidity
- Avoid extended exposure to direct sunlight
- Handle using standard fertiliser handling procedures

Refer to individual Safety Data Sheets (SDS) for detailed safety information.

#### DISCLAIMER

- Product performance may vary depending on soil type, climate, crop or vegetation species and management practices
- Troforte® C-Matrix products are not intended to replace site-specific soil assessment.
- Application rates and formulation selection should be based on soil testing and professional advice.