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| <b>PRODUCT SPECIFICATION</b> |
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## 1.0 SCOPE

This document describes the product specification for the product Herbagreen.

## 2.0 PRODUCT DESCRIPTION

- Herbagreen is manufactured from a selection of rock minerals that is in natural occurrence in the earth's crust
- Herbagreen is a 100% natural product and is free from heavy metals, foreign matter and/or pathogens
- Herbagreen is accredited by Australian Organic (BFA) as allowed input for organic growing for all crops
- Herbagreen is manufactured using a patented and unique innovative technology referred to as "TMA" technology

### 2.1 Product Name

| Product Name | Part Number              |
|--------------|--------------------------|
| Herbagreen   | NGT-HG-Axxx <sup>1</sup> |

### 2.2 Product Characteristics

| Parameters                         | Range / Value  |
|------------------------------------|--|
| pH                                 | 8.0 – 9.0  |
| Particle Size                      | 80% smaller than 25 micron<br>98% smaller than 50 micron |
| NV (Neutralising Value)            | 97.9%  |
| ENV (Effective Neutralising Value) | 96.6%  |
| Density                            | 1.1 g/cm <sup>3</sup>                                    |
| Odour                              | None   |
| Colour                             | Slight pink colouration                                  |
| Chemical Composition               | Calcium (CaO) 54.9%                                      |
|                                    | Silica (SiO <sub>2</sub> ) 8.9%                          |
|                                    | Aluminium (Al <sub>2</sub> O <sub>3</sub> ) 1.7%         |
|                                    | Magnesium (MgO) 1.1%                                     |
|                                    | Sulphur (SO <sub>3</sub> ) 0.6%                          |
|                                    | Iron (Fe <sub>2</sub> O <sub>3</sub> ) 0.3%              |
|                                    | Potassium (K <sub>2</sub> O) 0.2%                        |
|                                    | Sodium (Na <sub>2</sub> O) 0.1%                          |
|                                    | Phosphorus (P <sub>2</sub> O <sub>5</sub> ) Trace        |
|                                    | Manganese (MnO) Trace                                    |
|                                    | Zinc (ZnO) Trace   |
| Copper (CuO) Trace                 |  |

<sup>1</sup> Axxx – where xxx indicates the product volume, e.g. 010 – 10 KG

### 3.0 PRODUCT REQUIREMENTS

#### 3.1 Application

| Product - Herbagreen     | Description  |
|--------------------------|--|
| Rate of Application      | 2.0 - 2.5 Kg per Hectare   |
| Application Method       | Herbagreen is mixed with water and applied as a fine mist using any Agricultural Spraying Equipment<br>- Recommended nozzle size: 100-300 micron<br>- Recommended Bar pressure: 2-10 bar |
| Frequency of Application | Depending on crop, but in general 3-6 times from vegetative growth cycle to harvest  |
| Timing of Application    | Early morning or late afternoon when temperatures are ranging between 8 and 20°C, and hygrometry > 60%.  |

#### 3.2 Storage

| Product - Herbagreen  | Reason   |
|---|--|
| Store in a dry area, 18° to 38 °C   | To avoid moisture and extend product life  |
| Store in dust-tight, dry, and labelled containers   | To keep moisture out   |
| Keep out of moisture and wet areas. Minimise contact with moisture to avoid degradation.                    | If Herbagreen comes in contact with water when stored, it will react to form a solid clay like substance and when dried form a hard lump.        |
| Do not store in an area equipped with emergency water sprinklers  | See above  |
| If stored for a longer period, it is recommended to store Herbagreen in plastic containers or plastic bags. | Plastic has longer degradation life then paper and carton. Plastic containers will also maintain the products reactivity for an extended period. |
| Keep away from oxidizing agents and acids   | Herbagreen reacts strongly with acids  |
| Store separate from other chemicals   | Always store fertilizer and plant nutrients far away from other chemicals such as pesticides and herbicides                                      |
| Keep containers closed when not in use  |  |

### 3.3 Packaging and Handling

| Product - Herbagreen  | Reason  |
|---|---|
| Herbagreen can be packed in either plastic (containers, bags) or paper bags.  | Plastic containers and bags are more convenient for: <ul style="list-style-type: none"> <li>- longer product life</li> <li>- longer storage time</li> <li>- keeps the product more dry than paper bags</li> <li>- keeps the products reactivity longer</li> <li>- easier to stick and print labels</li> </ul> |
| Minimise dust generation. Enclose dust sources, use exhaust ventilation (dust collector at handling points). Handling points should preferably be enclosed. When handling bags usual precautions should be followed | Breathing in dust may result in respiratory irritation  |
| Dust masks should be worn by people handling Herbagreen   | See above   |

### 3.4 Examples of Product Packaging

|  |   |
|--|---|
| Plastic Buckets <ul style="list-style-type: none"> <li>• 1 Kg - Only for Samples</li> <li>• 5 Kg</li> <li>• 10 Kg</li> </ul>                   |  |
| Domestic Packaging <ul style="list-style-type: none"> <li>• Ready to Use (RTU) - Spray Flask</li> <li>• Concentrate for RTU re-fill</li> </ul> |  |
| Paper Bags <ul style="list-style-type: none"> <li>• 20 Kg (plastic inline)</li> </ul>  |  |
| Bulk Bags <ul style="list-style-type: none"> <li>• 1,000 Kg (plastic inline)</li> </ul>  |  |