

<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 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%
	Phosphor (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 - Recommended nozzle size: 100-300 micron - 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>	