

# YDRO PROCESS® 24

## Technical Data Sheet

### Composting sites

#### Description

The YDRO PROCESS® 24 is a product containing a specially formulated range of microorganisms capable of treating composting material. The high performance anaerobic, facultative and aerobic microorganisms in conjunction with the contained minerals, micronutrients, vitamins and amino acids create ideal conditions for the degradation of the organic load. It increases the composting capacity by accelerating the organic compounds decomposition resulting in a better product in less time. The batch duration can be decreased by over 50% of the conventional batch time. Better N-P-K and C:N ratio values can be achieved despite the very high ammonia content. This product eliminates odours of the surroundings and of the composted end product and an improved compost quality and maturity is achieved. It is suitable for open and covered windrow sites and for in-vessel control processes. The application is easy, user friendly and creates no environmental effect or hazard.

#### Applications

Open or covered windrow composting sites

In-vessel composters

#### Storage, Handling and Disposal

Please store product at room temperature, with low humidity and away from direct sunlight. Storing in high temperature or high humidity for extended periods will harm the product and affect its efficiency significantly.

Do not use on food surfaces, do not inhale possible dust, wash hands thoroughly after handling.

Dispose container according to local regulations.

#### Directions for use

This product must be applied after maturing for at least 12 hours, preferably in non-chlorinated water. The maturation process, the exact dosing points and the exact daily dosage are decided according to the input raw materials, the moisture content, the end targets and the overall facility and process conditions. Additional product application is recommended during the batch according to the progress, results and targets. The initial dosage is usually increased.

#### Physical properties

Colour .....	light brown
Appearance .....	powder
Odour .....	yeast-like
Relative density .....	0.60 – 0.65 gr/cm <sup>3</sup>
Bacterial cultures .....	<1 wt%
pH range .....	6.0 – 9.0
Temperature range .....	5°C – 60°C
Carrier content .....	>99 wt%
Solubility .....	soluble in water
Degradability .....	biodegradable
Shelf-life .....	3 months

#### Key Benefits – Results

- Increases composting facility efficiency
- Accelerates the composting process
- Improves the end product quality (N-P-K, C:N, etc.)
- Increases organic content degradation
- Increases the process temperature naturally
- Increases efficiency in cold weather
- Eliminates odours
- Stabilises the end product
- Reduces induced heat costs
- Maintains optimum performance
- Suitable for any composting type
- Easy application
- Environmentally safe

#### Available packaging

Bulk: 1kg, 2kg, 5kg, 10kg, 250kg