



# SYMBIO OXY-MISE



## BENEFITS

- Accessible source of oxygen for microbes
- Eliminates anaerobic conditions
- Stimulates microbial growth and reproduction
- Increases the uptake of nutrients
- Reduces nutrient leaching from the soil and growing media

**Symbio Oxy-Mise is a blend of complex components that contain a high number of atoms of oxygen for every molecule of product. When added to an irrigation system oxygen becomes available for use by the plant and soil microbes, encouraging normal aerobic activity in the rootzone.**

Symbio Oxi-Mise may be added to the irrigation system mixed with microbial products and most inorganic and organic fertilisers. WE recommend a bucket test before tank mixing with other products

N	P	K	MgO	Fe
22	0	0.4	0	0

Application guide: \*For best results consult your Symbio representative

J	F	M	A	M	J	J	A	S	O	N	D

Pack  
Size:  
5L

pH: 6.5-7.5 SG: 1.28-1.3

**CONTACT US TODAY:**



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# SYMBIO OXY-MISE

TECHNICAL INFORMATION



Symbio Oxy-Mise is a non-hazardous biodegradable oxidant, producing oxygen atoms to stimulate the metabolism of bacteria and fungi, thereby accelerating beneficial aerobic biological processes in soil and water. It rapidly changes anaerobic conditions to aerobic, destroying odours and preventing dangerous methane and hydrogen sulphide build up from unused fertiliser. It is an oxygen-rich liquid that is manufactured from oxygen & nitrogen bearing salts dissolved in distilled water

So, how does it work?

Symbio Oxy-Mise is produced by an endothermic chemical reaction (energy absorbing). For every molecule of this chemical, six atoms of oxygen are available for microbial usage. In order for bacterial respiration or metabolism to occur, electron acceptors are required in the oxidation (metabolism) process. The most energetically favourable electron acceptor is oxygen (O<sub>2</sub>).

The structure and properties of Symbio Oxy-Mise result in molecules carrying a negative net charge and acting as oxidizing agents in atmospheric conditions, this adds to its uniqueness by allowing the instantaneous oxidation of malodorous compounds

Symbio Oxy-Mise is a hydrated compound, and as such it attracts moisture creating ideal conditions for beneficial bacteria and fungi. It also contains a surfactant helping to dry out saturated soils

Symbio Oxy-Mise acts as a natural biostimulant. Oxygen rich conditions created by the chemical reactions help fungi and facultative aerobic bacteria metabolise more efficiently. In the aerobic form bacteria can convert 7-10 times the organic matter compared to the anaerobic form, and toxic hydrogen sulphide is not produced during aerobic degradation. Symbio Oxy-Mise oxidises sulphides and promotes the nitrogen cycle converting ammonia and ammonium to plant available nitrate

## Dosage and Application

### USAGE

Apply a maximum of 0.1% (1ml per Litre) of water spray to drip off.

The product can be applied as a soil drench or through an irrigation system.

When used in hydroponic systems apply at 0.5-1ml per litre of water in the system

**Application Frequency** – Apply as needed. Suggested in heavily compacted/waterlogged media every 2-3 weeks in normal growing conditions every 4-5 weeks.

### STORAGE CONDITIONS

Store in a cool dry place between 5°C and 30°C  
Do not store below 0°C as product may crystallise

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