



TECHNICAL DATA SHEET

Specifications

Guaranteed Microorganisms

<i>Bacillus subtilis</i>	2.48x10 ⁸ cfu/g
<i>Bacillus amyloliquefaciens</i>	5.00x10 ⁶ cfu/g
<i>Pseudomonas monteilii</i>	1.0x10 ⁶ cfu/g

Technical characteristics

Density	
pH	6 – 9*
Maximum solubility	300 g/L @ 20°C
Recommended water mixing ratio	Up to 50 g/L water
Storage	Up to 3 years (5 – 25°C)
Handling	No special precautions required

* NOTE: Doctor Marijane is manufactured with natural ingredients. Variation in pH between lots will not affect performance.

Electrical Conductivity

Concentration (g/L water)	Electrical Conductivity (ms/cm)
0.5	0.40
1	0.55
5	1.71
10	3.10
15	4.43
20	5.70
30	8.06

General Guidelines

- Apply once per production cycle, as part of a balanced fertilization program
- Consult with a production specialist to ensure best results
- Effective in conventional and organic production systems
- Approved for organic production

Standard Application Methods

DOSE: 5 grams per Liter of substrate (soil or soilless media)

OPTION 1:

TIMING: 24-48 hours before planting

1. Add Dr. Marijane to substrate before filling containers
2. Mix well to ensure even distribution of Dr. Marijane
3. Fill containers and moisten substrate
4. Allow to rest up to 48 hours before planting

OPTION 2:

TIMING: Transplanting / early vegetative stage

1. Mix 20 grams of Dr. Marijane per liter of water
2. Drench substrate with mixture, using 250 ml per Litre of substrate
3. Ensure even distribution of mixture through the container to prevent hotspots

Hydroponic Systems

Dr. Marijane is compatible with most hydroponic nutrient programs

DOSE: 1 gram per liter of nutrient solution

NOTES:

- Refer to Electrical Conductivity chart above
- Monitor electrical conductivity of nutrient solution after incorporating Dr. Marijane
- Make adjustments as necessary to maintain recommended ranges for hydroponic nutrients

Storage and Safety

STORAGE: Store at room temperature. Avoid freezing and intense heat.

WARNING: Do not ingest. Avoid inhalation.

Questions?

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