



MANNA

Nature's Advanced
Liquid Fertilizer 9:4:7

WHAT IS MANNA 9:4:7?

Manna 9:4:7 is a highly effective, organic-based sportsturf liquid biostimulant. It is formulated to provide essential nutrients, enhance turf resilience, and improve soil health. The product integrates cutting-edge Genesis C4L technology and a consortium of beneficial Bacillus strains, optimized to support vigorous plant growth.

BENEFITS

- Enhances nutrient uptake and efficiency
- Improves stress tolerance against abiotic and biotic factors
- Promotes robust root development and plant growth
- Increases yield and improves crop quality
- Improves photosynthesis and up and down gene regulation
- Enhances soil structure and microbial activity
- Reduces dependency on chemical inputs

MODE OF ACTION

Manna 9:4:7 works through several mechanisms:

- **Nutrient Supply:** Directly provides essential macro and micronutrients.
- **Root Stimulation:** Amino acids and seaweed extracts enhance root growth and function.
- **Soil Health:** Humic and fulvic acids improve soil structure and nutrient availability.
- **Stress Resilience:** Genesis C4L technology induces systemic acquired resistance in plants, enhancing tolerance to stress and improves photosynthesis.
- **Microbial Enhancement:** Bacillus strains promote a healthy soil microbiome, aiding in nutrient cycling and disease suppression.

CHEMICAL ANALYSIS:

N (Total Nutriogen - DUMAS)	8.62%	Na (Sodium)	3163 mg/kg	Zn (Zinc)	1310 mg/kg
Fulvic Acid	6%	S (Sulphur)	1.08%	B (Boron)	515 mg/kg
Humate	13%	P (Phosphorus)	4.65%	Mo (Molybdenum)	173.18 mg/kg
Ca (Calcium)	0.04%	Fe (Iron)	1024 mg/kg	pH	3.9
Mg (Magnesium)	0.86%	Mn (Manganese)	793 mg/kg	Calculated Carbon	23.73%
K (Potassium)	6.02%	Cu (Copper)	183 mg/kg	Ash	20.39%

COLOUR & APPEARANCE:

Dark brown, homogeneous liquid.

APPLICATION RATE & INSTRUCTIONS

General rate: 10 - 20ℓ per Ha

Application timing: Apply Manna bi-weekly or monthly to optimize nutrient uptake and stress resilience.

Method: Suitable for both foliar application and soil drenching.

Frequency: Bi-weekly, monthly, or as needed based on turf requirements and environmental conditions.

COMPATIBILITY

Manna 9:4:7 is compatible with most common sports turf amenity inputs. However, it is advisable to conduct a jar test or consult with a technical advisor when mixing with other chemical agents for the first time. Avoid mixing with highly acidic or alkaline products without prior testing.



COMPLIANCE: Approved for restricted use in organic systems in accordance with EC regulation 834/2007 and 889/2008 by Organic Farmers & Growers.

