

WHAT IS MANNA 10:5:7?

Manna 10:5:7 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.

COLOUR & APPEARANCE:
Dark brown, homogeneous liquid

APPLICATION RATE AND 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.

INGREDIENT COMPOSITION:

- Protein hydrolysate
- Natural NPK (Nitrogen, Phosphorus, Potassium)
- Full Natural Micro and Trace Elements
- Amino Acids
- Seaweed Extracts
- Humic and Fulvic Acids
- Bacillus amyloliquefaciens, Bacillus laterosporus, a sub species of B. laterosporus, Bacillus licheniformis, a sub species of B. licheniformis
- Genesis C4L Technology: A proprietary blend of flavonoids and plant

CHEMICAL ANALYSIS:

N	9,7%	Mn	6,3%	Hg	<1,25 mg/kg
Fulvic Acid	6,3%	Cu	13,3%	Pb	6,56 mg/kg
Humate	13,3%	Zn	3%	Se	1,83 mg/kg
Ca	3%	В	3,4%	pH	7.5
Mg	3,4%	Мо	7,31%	Calculated Carbon	25,39%
K	7,31%	Al	4943,79 mg/kg	Carbon	·
Na	477,1 mg/kg	Ni	165,81 mg/kg	C:N	3.9:1
S	0,15%	Cd	1,85 mg/kg	Moisture	60°C: 31,31%
Р	4,6%	Cr	368,31 mg/kg	Ash	56,34%
Fe	9,7%	As	<6,15 mg/kg		

BENEFITS OF MANNA APPLICATION

- 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 10:5:7 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.

COMPATIBILITY

Manna 10:5:7 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.

VOLUME:

20L to 1000L



H319 - Causes serious eye irritation.

PRECAUTIONARY STATEMENTS:

P102 - Keep out of reach of children.

P264 - Wash hands thoroughly after handling.

P280 - Wear eye protection.

P305+P351+P338 -

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention.