BRLLNT ORGANIC O-Sugar Cane (O-SC) Fertilizer

Description and Usage Instructions

BRLLNT ORGANIC O-SC is an organic-mineral liquid fertilizer of the new generation designed for sugar cane cultivation. It is environmentally friendly, non-harmful to bees, and comes in a concentrated natural form containing amino acid complexes, humic and fulvic acids, macro, and microelements for both foliar and soil applications.

Properties of O-Sugar Cane Fertilizer:

1. **Improves Sugar Cane Yield and Quality:** This fertilizer positively impacts sugar cane, increasing both the quantity and quality of the yield. This results in more efficient and productive cultivation.
2. **Accelerates Plant Growth:** O-Sugar Cane stimulates plant growth processes, potentially reducing the time required for sugar cane to reach maturity.
3. **Speeds Up Initial Plant Development:** It helps sugar cane plants develop more quickly in the early growth stages, contributing to better overall plant health in later stages.
4. **Increases Yield:** O-Sugar Cane boosts sugar cane yield, benefiting both sugar producers and farmers.
5. **Acts Comprehensively, Enhancing Disease Resistance and Drought Tolerance:** This fertilizer not only influences plant growth and yield but also enhances the plant's resistance to diseases and environmental stressors like drought.
6. **Reduces Nutrient Losses:** It aids in the efficient utilization of nutrients by plants, minimizing losses and improving nutrient availability.
7. **Accelerates Metabolism, Reinforces Photosynthesis and Biomass Production:** O-Sugar Cane affects metabolic processes in plants, speeding up biomass production and strengthening photosynthesis, which are crucial for plant growth.
8. **Facilitates Effective Nutrient Transport:** This fertilizer supports the transport of nutrients within the plant, ensuring uniform and efficient nourishment of all plant parts.
9. **Increases Sugar Content:** Especially important for sugar cane, higher sugar content translates to better sugar quantity and quality in the crop.

10. **Positively Impacts Soil Microflora:** O-Sugar Cane can improve soil microflora, which is essential for healthy plant development and overall soil health.
11. **Builds a Strong Root System:** It contributes to the development of a robust root system, essential for plant stability and productivity.
12. **Regulates Controlled Moisture Uptake for Root Nutrition:** It helps plants effectively absorb water and nutrients from the soil.
13. **Accelerates Nutrient and Micronutrient Uptake:** This fertilizer facilitates efficient absorption of nutrients and micronutrients from the soil, vital for plant health and development.
14. **Compatible with Insecticides, Other Fertilizers, Herbicides, and Pesticides:** It can be used in combination with other plant protection products, simplifying crop management.
15. **Environmentally Friendly and Safe for Humans and Animals:** O-Sugar Cane was created with environmental protection and human and animal safety in mind, making it a sustainable choice for agriculture.

APPLICATION: Instructions for using **BRLLNT ORGANIC O-SC** fertilizer, **6L-9L** per hectare, for sugar cane cultivation with **6 applications** throughout the entire vegetative period.

N. of Treatment	**Application Dates:**	**Concentrate O-SC L/ha: This indicates the recommended dosage of BRLLNT ORGANIC O-SC concentrate per hectare.**
1	Faze of Sprounting And Leaf Development Stage of Sprouting of the axillary duds and leaf development of the main shoot DAP* - 45 DAE*- 15 BBCH* - 00-01	**1L-1.5L** of O-SC concentrate Dilute in 200L-250L of water per 1 hectare Add to the solution: • 10 kg of urea 46N • 6 kg of magnesium sulfate heptahydrate

<table>
<tr><td>2</td><td colspan="4">Faze of Tillering
Stage of Side shoots emerging from the axillary buds of an existing culm to form additional culms
DAP* - 60
DAE*- 30
BBCH* - 02</td><td>1L-1.5L of O-SC concentrate
Dilute in 200L-250L of water per 1 hectare
Add to the solution:
• 10 kg of urea 46N
• 6 kg of magnesium sulfate</td></tr>
<tr><td>3</td><td colspan="4">Faze of Stem Elongation and Canopy Development
Stage of Intercalary meristem produces cells that subsequently expand / Strong leaf development
DAP* - 90
DAE*- 60
BBCH* - 03</td><td>1L-1.5L of O-SC concentrate
Dilute in 200L-250L of water per 1 hectare
Add to the solution:
• 10 kg of urea 46N
• 6 kg of magnesium sulfate</td></tr>
<tr><td>4</td><td>DAP* - 240
DBH* -120</td><td rowspan="3">BBCH* - 04</td><td rowspan="3">Stage of Development of harvestable vegetative plant parts (sucrose retention)</td><td rowspan="3">Faze of Until The End of Vegetative Growth</td><td>1L-1.5L of O-SC concentrate
Dilute in 200L-250L of water per 1 hectare
Add to the solution:
• 10 kg of urea 46N
• 6 kg of magnesium sulfate</td></tr>
<tr><td>5</td><td>DAP* - 300
DBH* -60</td><td>1L-1.5L of O-SC concentrate
Dilute in 200L-250L of water per 1 hectare
Add to the solution:
• 10 kg of urea 46N
• 6 kg of magnesium sulfate</td></tr>
<tr><td>6</td><td>DAP* - 330
DBH* -30</td><td>1L-1.5L of O-SC concentrate
Dilute in 200L-250L of water per 1 hectare
Add to the solution:
• 10 kg of urea 46N
• 6 kg of magnesium sulfate</td></tr>
<tr><td colspan="6">HARVESTING DAP* - 360</td></tr>
</table>

**DAP = Days after planting (approximate)*

**DAE = Days after emergence (approximate)*

**DBH = Days before harvest (approximate)*

**BBCH = BBCH-scale is used to identify the phenological development stages of plants.*

As long as the plant height allows it, it is recommended to perform foliar fertilization by spraying the ready-made solution onto the plants. In cases where foliar spraying is not feasible, it is necessary to apply the fertilizer to the roots by first mixing the fertilizer according to the instructions with the required amount of water for treating 1 hectare.

It is possible to provide an individual fertilizer application plan upon the client's request

Recommendations:

- Apply sprays when the air temperature ranges from +5 to +25°C.
- Foliar treatments should be performed in dry weather conditions with no strong winds. Optimal hours for application are in the morning and evening.
- Use the fertilizer both alone and in combination with mineral fertilizers or alongside them (as this combination significantly increases the yield growth efficiency).
- Do not exceed the recommended doses.

Preparation of the Working Solution:

- Shake the container well before opening and measure the required amount of fertilizer.
- Partially fill the sprayer tank with water (use warm water at temperatures between +20 to +25°C, if possible), and pour the measured amount of fertilizer through the strainer with the agitator turned on.
- While stirring, top up the tank with water to the required volume.
- Apply the prepared working solution immediately after preparation.
- The fertilizer can be used in conjunction with plant protection products after conducting a compatibility test, which should result in no sediment or other insoluble elements forming.

Storage Conditions:

- Store in a cool and dark place, in the original packaging, at temperatures ranging from +5°C to +30°C.
- Dispose of unused fertilizer containers after the expiration date.
- Shelf life is 2 years.

Safety Precautions:

- Follow general hygiene and safety guidelines when working with the fertilizer.
- Use protective gloves.
- In case of eye contamination, rinse with plenty of water and seek medical attention if necessary.
- The product is not suitable for consumption; keep it out of reach of children.
- Transportation: No restrictions; it is a safe product.

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