

Label/TS information

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|------------------|-------------|
| Product Name | Biota Trace |
| Product Code | T-TRACE |
| HS Code(s) | |
| Document Date | 21/02/2023 |
| Document Version | 1 (Draft) |

Product introduction text

Biota Trace contains all the necessary trace elements for a good basis for every crop. The trace elements are essential for regulating enzymatic processes in the plant. For sensitive plants Biota Trace prevents a shortage of trace elements in the soil, which helps prevent defects. Because of its composition, Biota Trace can be used in combination with most other fertilisers.

Benefits/product features

- Suitable for foliar applications and irrigation.
- Promotes the production of chlorophyll
- Promotes enzymatic processes in the plant
- Promotes growth of the crops
- Promotes nitrogen conversion
- Increases resistance against stress conditions
- Higher cellular division
- Vegan
- Chelate-free
- low sodium and chloride levels

Analysis

| All values in w/w % | Target | Range |
|---------------------|--------|--------------|
| Boron (B) | 0,2% | 0,18 - 0,22% |
| Copper (Cu) | 0,1% | 0,09 - 0,11% |
| Iron (Fe) | 1,0% | 0,9 - 1,1% |
| Manganese (Mn) | 0,5% | 0,45 - 0,55% |

| | | |
|-----------------|------|--------------|
| Molybdenum (Mo) | 0,1% | 0,09 - 0,11% |
| Zinc (Zn) | 0,1% | 0,09 - 0,11% |

Properties

| | |
|------------------------|---|
| Appearance | Liquid |
| Colour | Greenish-brown |
| pH | 1,5 - 2,5 |
| Density | 1,055 - 1,095 |
| Derived From (US info) | Borax, copper sulphate, iron citrate, manganese sulphate, sodium molybdate, zinc sulphate |
| PFC (EU) | Compound Inorganic Micronutrient Fertiliser PFC 1(C)(II)(b) |
| Ingredients (EU CMC) | Citric acid (CMC 1: Virgin Material Substances And Mixtures) |

Other specifications

| Component | Composition |
|-------------------|-------------|
| Na ₂ O | <0,5% |
| Cl | N/A |
| CaO | <0,3 |

Application introduction

- Very suitable for use in irrigation systems
- Can also be administered as leaf fertiliser

General recommended guidelines

| Application | Dose | Dosage |
|--------------------|----------------|---------------------------|
| Irrigation | 5 - 8 l/ha | Every week, or as advised |
| Foliar Application | 4 - 6 ml/liter | Every two weeks |

Crop specific guidelines

| Crop | Application |
|------------------------|---|
| Vegetables | 3.5 - 7 liter/ha every 7 days, dripping 1.5 - 2.0 liter/ha |
| Cotton | 3.5 - 7 liter/ha |
| Corn | 2.5 - 5 liter/ha |
| Citrus and fruit trees | 3.5 - 7 liter/ha every 10 days till the crop has recovered |
| Grapevine and olive | 3.5 - 7 liter/ha in 400 liter water |
| Ornamental | 6 - 8 liter/ha in a minimum of 400 liter water, dripping 2 - 3 liter/ha |
| | 3.5 - 7 liter/ha every 10 days till the crop has recovered |

Other usage advice

It is advised to always have an expert make a fertilisation plan and to start with a test application. No guarantees can be given in the event of incorrect use.

Available packaging

1. 10, 20 liter jerry can
2. 220 liter drum
3. 1000 liter IBC

Storage

- Keep between 10 and 25 °C
- Shelf life 1.5 – 2 years.
- Keep away from heat sources
- Keep out of direct sunlight
- Store separately from acids and bases

Safety

- Causes serious eye damage.
- Toxic to aquatic life with long-lasting effects.

Certificate of Analysis

Nutrients

| Component | w/w % |
|-----------------------------|--------------|
| Boron (B) | 0,2% ± 0,02% |
| Copper (Cu) | 0,1% ± 0,01% |
| Iron (Fe) | 1,0% ± 0,1% |
| Manganese (Mn) | 0,5% ± 0,05% |
| Molybdenum (Mo) | 0,1% ± 0,01% |
| Zinc (Zn) | 0,1% ± 0,01% |
| Sulphate (SO ₃) | 2,4% ± 0,24% |
| Na ₂ O | <0,5% |
| CaO | <0,3% |

Contaminants

| | |
|------------|--------------|
| Coliforms | <10 cfu/g |
| Salmonella | not detected |

Heavy Metals

| | |
|---------------|----------|
| Arsenic (As) | < 0,001% |
| Cadmium (Cd) | < 0,001% |
| Cobalt (Co) | < 0,001% |
| Lead (Pb) | < 0,001% |
| Mercury (Hg) | < 0,001% |
| Nickel (Ni) | < 0,001% |
| Selenium (Se) | < 0,001% |