

Top-up Trace®

Reg. No. B5696, Act No. 36 of 1947

Botswana: Reg. No. W1301352, Act No. 18 of 1999

Namibian Reg. No. N-F 1758

FERTILIZER GROUP 2

A soluble chelated trace element mixture for soil or foliar application on various crops, as indicated on the label. Apply **Top-up Trace** to correct micronutrient deficiencies.

Composition:

Iron (Fe)*	79 g/kg
Manganese (Mn)*	18 g/kg
Zinc (Zn)*	10 g/kg
Copper (Cu)*	1.3 g/kg
Boron (B)	23 g/kg
Molybdenum (Mo)	2.1 g/kg

* EDTA chelated micro elements



DANGER

GHS HAZARD STATEMENTS

May damage fertility.

May damage the unborn child.

GHS PRECAUTIONARY STATEMENTS

Wash thoroughly after handling.

Wear impervious rubber gloves and boots, protective clothing, and chemical safety goggles.



Registration Holder:

AECI® Limited

Reg. No. 1924/002590/06

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CONTENTS: 1 kg; 2 kg; 5 kg; 10 kg; 20 kg; 25 kg;

BATCH NO:

DATE OF MANUFACTURE:

UN No: Not regulated

Top-up Trace : GHS October 2022 – Approved 2023

WARNINGS:

GHS HAZARD STATEMENTS

May damage fertility.
May damage the unborn child.

Do not mix **Top-up Trace** in a tank mixture with any other fertilizer products where the final solution has a pH of 4.5 and lower. The EDTA chelates will breakdown and form precipitates with the other elements.

Store in a sealed container away from direct light and keep dry.

PRECAUTIONS

GHS PRECAUTIONARY STATEMENTS

Prevention

Obtain, read, and follow all safety instructions before use.
Wash thoroughly after handling.
Do not eat, drink when using this product.
Wear impervious rubber gloves and boots, protective clothing, and chemical safety goggles.

Response

If exposed or concerned, get medical advice.

Storage

Store locked up.

Disposal

Dispose of contents/container in accordance with local and national regulations.

RELEVANT SUBSTANCES

Substance name (IUPAC/EC)	Concentration % by weight	GHS Classification
Boric Acid	10 – 30%	Reproductive Toxicity (Category 1B), H360FD.
Disodium Tetraborate Anhydrous	<10%	Reproductive Toxicity (Category 1B), H360FD.

NOTE: The other ingredients not included above, do not cause or contribute towards the correct GHS classification **Top-up Trace** and are therefore, in terms of the South African Regulations for Hazardous Chemical Agents - 2021; Regulation 14(b), not listed.

DIRECTIONS FOR USE: USE ONLY AS DIRECTED

Top-up Trace is a soluble chelated trace element mixture for soil or foliar application on various crops, as indicated under the "Application Table". Apply **Top-up Trace** when micronutrients are deficient.

- **Genie Fulvic** (Reg. No. M145, Act No. 36 of 1947), at 2% of the **Top-up Trace** volume can be added to the mixture when applied as a foliar application.

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- It is recommended to use a wetting agent, e.g. **Biodew** (Reg. No. L8120, Act No. 36 of 1947) at a rate of 50 ml/100 ℓ water when applied as a foliar application to ensure better wetting of the crop.

COMPATIBILITY:

Top-up Trace is compatible with **Biodew**® (Reg. No. L8120, Act No. 36 of 1947) and **Genie**® **Fulvic** (Reg. No. M145, Act No. 36 of 1947). The compatibility of **Top-up Trace** has not yet been proven with other agricultural remedies. Its compatibility with other products may be influenced by several factors. As certain factors may vary from farm to farm, a physical compatibility test must always be performed before such a tank mixture is sprayed. For more information on compatibility or in the event of uncertainty, contact your local AECI Plant Health Crop Adviser. It is recommended to do a compatibility test on a small area and observe the treated area for 3 days before doing commercial applications.

APPLICATION TABLE

CROPS	APPLICATION RATE	RECOMMENDATIONS
BERRIES Strawberries, Blueberries, Vines	1.0 to 2.5 kg 1.0 to 5.0 kg/ha	<u>Foliar application:</u> Apply in 400 to 1 200 litres of water. Do not exceed a concentration of 0.75%. <u>Soil application:</u> Apply through your irrigation system. It should be based on the fertilizer recommendation from your local AECI Plant Health Crop Adviser.
POME AND STONE FRUIT Apples, Pears, Peaches, Plums, Apricots, Nectarines, Cherries	2.5 to 5.0 kg 1.0 to 5.0 kg/ha	<u>Foliar application:</u> Apply in 500 to 1 500 litres of water. Do not exceed a concentration of 0.75%. <u>Soil application:</u> Apply through your irrigation system. It should be based on the fertilizer recommendation from your local AECI Plant Health Crop Adviser.
POT PLANTS AND SHRUBS	10 - 20 g / 1 000 ℓ in final solution	<u>Solution in growing medium:</u> Use continuously during the growing season.
SEEDLINGS	10 - 20 g / 1 000 ℓ in final	<u>Solution in growing medium:</u> Apply 2 to 3 times during the growing cycle.

	solution	
SUBTROPICAL CROPS Citrus, Avocados, Mangoes, Tree nuts (including almonds, cashews, chestnuts, hazelnuts, macadamias, pecans, pistachios, walnuts, coconuts, brazil nuts and pine nuts)	2.5 to 10 kg 1.0 to 5.0 kg/ha	<u>Foliar application:</u> Apply in 1 000 to 3 000 litres of water. Do not exceed a concentration of 0.75%. <u>Soil application:</u> Apply through your irrigation system. It should be based on the fertilizer recommendation from your local AECI Plant Health Crop Adviser.
VEGETABLES (Hydroponics – growth medium)	20 g/ 1 000 ℓ in final solution	Use continuously during the growing season.
VEGETABLES Tomatoes, Peppers, Cucurbits, Spinach, Cruciferae, Lettuce, Potatoes, Onions	1.0 to 5 kg 1.0 to 5.0 kg/ha	<u>Foliar application:</u> Apply in 300 to 1 000 litres of water. Do not exceed a concentration of 0.75%. <u>Soil application:</u> Apply through your irrigation system. It should be based on the fertilizer recommendation from your local AECI Plant Health Crop Adviser.

NOTE: When **Top-up Trace** is used at the rate of 20 g per 1 000 ℓ final solution it will provide the following quantities expressed in ppm (mg / ℓ).

Fe	Mn	Zn	Cu	B	Mo
1.58	0.36	0.2	0.026	0.46	0.042

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