



# The Natural Biostimulant

ANALYSIS: 0.5% TRIACONTANOL

## WHAT IS IT?

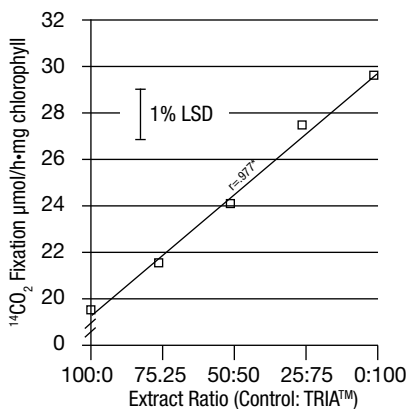
- > CFIA-registered supplement: Reg. # 2018063A, Fertilizers Act.
- > Triacontanol is a plant growth regulator naturally found in plant epicuticular waxes and beeswax.
- > It is present in abundance in the leaves of most plants.
- > Triacontanol affects many aspects of crops growth and development including photosynthesis; protein synthesis; water uptake and nutrients; yield; seed and fruit number, size and quality; and oil production.
- > Triacontanol triggers the release of Adenosine, a fast-acting second messenger important for the regulation of transpiration and translocation of sugars, amino acids, soluble proteins, and fatty acids in various crops.

## WHEN & WHY USE IT?

- > The product is recommended on all crops including field, horticultural and vegetable crops as well as fruit trees, turf and ornamentals.
- > Include low doses with all sprays.
- > Use to enhance growth and protect against abiotic stress.

## WHAT TO EXPECT?

- > An improved growth and development especially under stress conditions.
- > Better regulation of water use efficiency (WUE).
- > Better translocation of sugars and other metabolites.
- > Enhanced oil content in oilseeds.
- > Good yield along with quality.



TREATMENT	ACTIVE SITE CONCENTRATION	ACTIVITY	SPECIFIC ACTIVITY
	nmol/mg Chl	μmol CO <sub>2</sub> /h·mg Chl	μmol CO <sub>2</sub> /min·mg protein
Control	13.4	261.3	4.73
TRIA™	12.9	351.8*	6.61*

\*F-ratio for difference between treatments is significant at the 1% level.

Figure 1. Effect of the addition of Triacontanol on photosynthesis and CO<sub>2</sub> fixation (Source: Houtz et al., 1985).

## Application Guidelines



Include TRIA™ with dry or liquid fertilizer applied in-furrow.

Include with all foliar sprays (60ml/ac).

Apply with enough water to guarantee a uniform coverage.

TRIA™ is compatible with most commonly used pesticides and fertilizers.

\*TRIA™ is a trademark of EZ-Cro Inc.

PCRS



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