

# Kinsidro® Grow+ in Maize



Kinsidro® Grow+ is a metabolic biostimulant, bonded with essential micro and macronutrients. It is classed as a humic substance. Kinsidro Grow+ contains humic acid and a high concentration of fulvic acid (62%) which drives the biological activity in the plant.

Kinsidro Grow+ is recommended for a wide range of crops including maize. Applied at a low rate of 150g/ha, trials show improvements in both fresh weight and dry matter yields in harvested crops

## What is Kinsidro Grow+?

Kinsidro Grow+ is a consistent, highly concentrated molecular level complex with a high ratio of fulvic acid and other essential micro-nutrients and humic acid.

It is recovered from natural sustainable sources with a favourable carbon footprint.

A patented extraction process ensures micro-nutrients are naturally chelated, making them more bio-available to the plant.

Kinsidro Grow+ is very active even at low doses.

## What do humic and fulvic acids do?

Fulvic and Humic acids have shown positive effects on different physiological processes of plants, such as:

- Stimulation of certain hormonal pathways
- Influencing cell division and growth, stimulating root shoot and leaf growth
- Increasing chlorophyll content and photosynthetic activity
- Activation of different enzymatic nutrition processes improving nutrient uptake capacity
- Chelating properties, turning essential macro & micronutrients into readily absorbable bioavailable forms

The molecular size of humic acids (300,000Da) and fulvic acids (1,000Da) offer different properties: smaller size fulvic acid fraction will penetrate cell walls, driving the biological activity in the plant.

## Kinsidro Grow+ contains a high ratio of fulvic acids which results in increased activity in comparison to other “humic-dominant” products

This increased growth response following an application of Kinsidro Grow+ can result in:

- Vegetative development: increased rooting, improved plant health, crop emergence and robustness, better crop vigour.
- Flowering: improved tolerance to drought.
- Yield: Improved maturity, increased dry matter yield, higher starch content and digestible organic matter.
- Trials in maize show increased fresh weight and dry matter content.

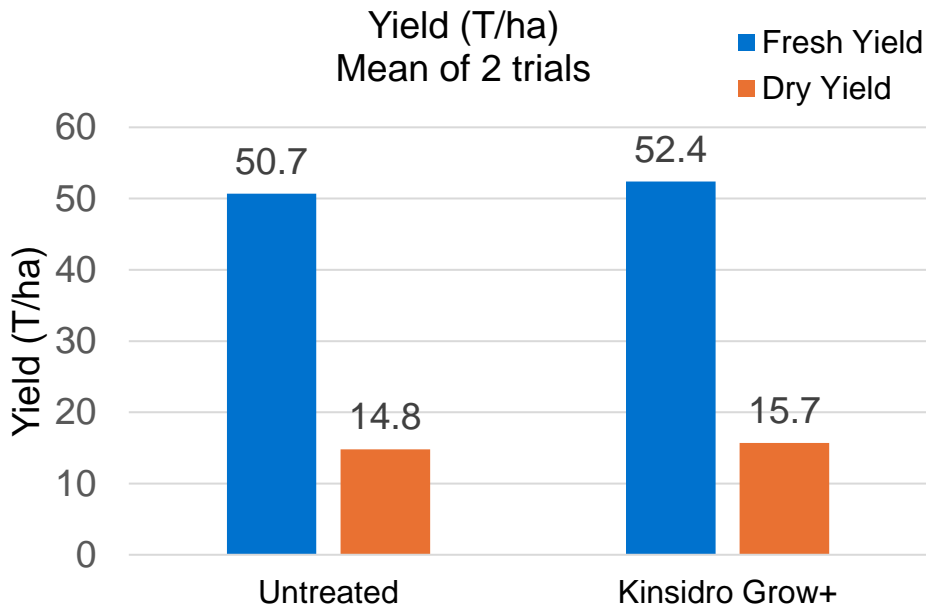
### Application Information

<b>Pack Size</b>	1kg bag, a wettable granule formulation
<b>Recommended Rate</b>	150g/ha in 150-300L/ha of water
<b>Rainfastness</b>	3 hours
<b>Number of Applications</b>	1 application per crop
<b>Application Timing on Maize</b>	Apply between 2-6 true leaves (GS12-16)

## Tank mixing

- Kinsidro Grow+ is designed to be absorbed by the foliage.
- Kinsidro Grow+ is soluble in water and its use is compatible with most fertilisers and plant protection products.
- Add Kinsidro Grow+ into a spray tank partly filled with water.
- Refer to <https://www.corteva.co.uk/tools-and-advice/tank-mixes.html> for further information on compatibilities.

## Kinsidro Grow+ in maize trial



### Trial information

#### Trial 1:

Location: Wellesbourne

Variety: DS1897B

Crop stage at application: 4 leaves

#### Trial 2:

Location: Dorset

Variety: KWS Anastasio

Crop stage at application: 6 leaves

