

## TECHNOTE

**Specifically formulated to assist late foliar pesticide applications, strengthening plant defences and enhancing productivity. Beneficial application technology reduces product loss via drift, evaporation and inactivation of chemicals, ensuring excellent efficacy.**

**Cubo** offers as a dynamic phytostimulant that is suitable for application on all crops. Boasting an exclusive formulation allows application without the addition of other pesticide additives. Recommended application timing is during the pre-flowering growth phase. Ideally suited as a spray tank partner for fungicides such as Prosaro® 420 SC and Propiconazole, **Cubo** is also compatible with liquid UAN.

### How does Cubo work?

In line with **Spraytec's** innovative product development, composition orientates around chelated nutrients, phosphites and application technology. **Cubo** is highly soluble and plant bioavailable, stimulating plant defences in an efficient manner. As well as providing nitrogen, phosphorus and sulphur, the focus of this product is on its copper content. Copper is essential in multiple physiological processes, including

photosynthesis, respiration and activating enzymes that promote protein production in plants. With all these nutrients being chelated, **Cubo** can be safely mixed with other chemicals, ensuring nutrition is rapidly accessible for plant uptake. Incorporation of phosphites into the formulation provides further benefits, as plants are stimulated to acquire more phosphorous, leading to improved health. Complementary application technology increases overall spray efficacy to negate product loss, leading to improved returns.

**Table 1: Critical information for Cubo.**

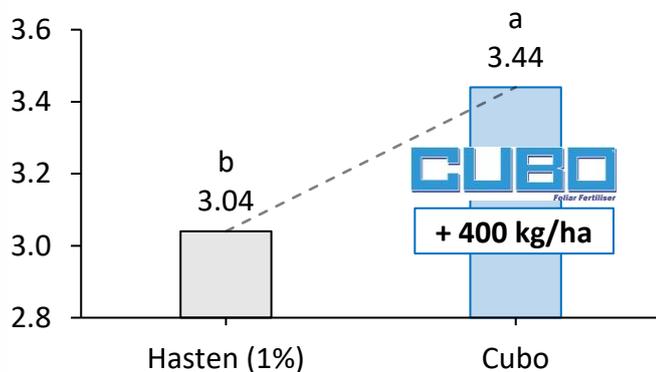
<b>Product Type</b>	Phytostimulant
<b>Use Rate</b>	700 mL/ha
<b>Timing</b>	Pre-flowering
<b>Compatibility</b>	All pesticides
<b>Crop Suitability</b>	All crops
<b>Nutrient Composition (% w/v)</b>	Nitrogen 1.77% Phosphorus 1.63% Sulphur 0.57% Copper 0.91%
<b>Pack Sizes Available</b>	110L & 1000L

### Ongoing research and development

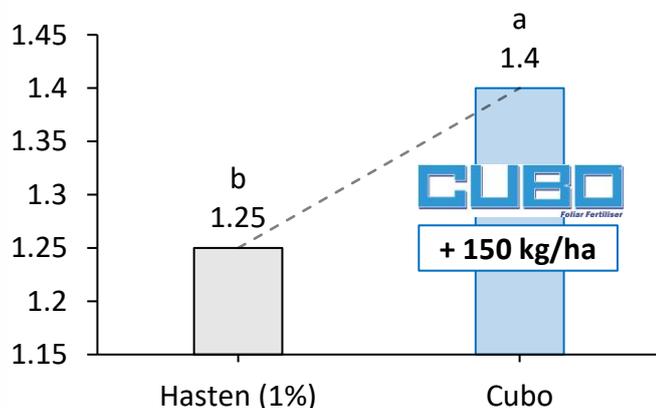
**Spraytec** has committed to conducting extensive trial work with independent research organisations to guarantee confidence of product performance in Australia. We maintain values of transparency and innovation to ensure that our contribution to sustaining the longevity of the agricultural industry is credible. Full final reports of all trials are available on our website.

## Significant trial results

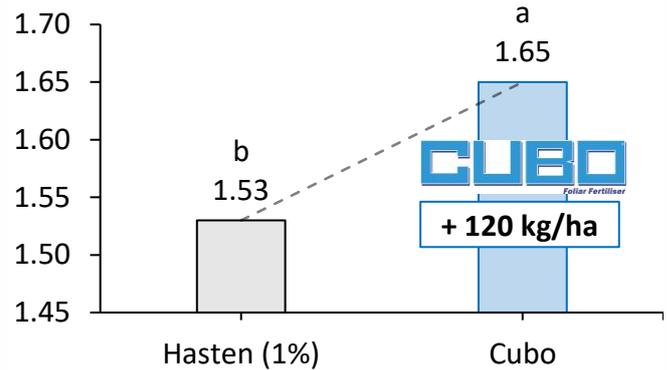
**Figure 1, 2 & 3** outline a yield response when a common additive is interchanged with **Cubo**. Hasten® is label-recommended for Prosaro® 420 SC and subsequently was selected as the comparative treatment. Results from all trials demonstrated the improved effectiveness of **Cubo** in terms of generating increased yields; +400 kg/ha, +150 kg/ha and +120 kg/ha. Reasoning supporting these differences is largely due to the unique formulation of the product, that features chelated nutrition, phosphites and application technology. A late-season supply of beneficial nutrition provides producers an extra opportunity to boost yields, without compromising the efficacy of the spray application. This quality assists in differentiating **Cubo** from other additives.



**Figure 1: Barley yield (t/ha) following a late-season fungicide application of Prosaro® (150 mL/ha). Trial conducted in Quairading, WA by Living Farm (2020).**



**Figure 3: Wheat yield (t/ha) following a late-season fungicide application of Prosaro® (300 mL/ha). Trial conducted in Roseworthy, SA by AgXtra (2019).**



**Figure 3: Wheat yield (t/ha) following a late-season fungicide application of Prosaro® (150 mL/ha). Trial conducted in Northam, WA by Kalyx (2020).**

Trial reports further stated that **Cubo** was statistically equal with Hasten® for the control of yellow leaf spot, a common fungal disease that can contribute to yield loss. Phosphites are essential for this result, improving fungicide translocation and mobility throughout the plant. Neither treatment adversely affected the crop, with no biomass reduction or phytotoxicity observed. In exhibiting refined application technology, **Cubo** does not require the use of additional additives.

## Key messages and conclusions

**Cubo** is formulated according to a proprietary blend of ingredients that ensures product performance is consistent and to a high quality in varying conditions.

Incorporating chelated nutrition, phosphites and application technology differentiates **Cubo** from comparable additive products.

**Spraytec** has trialled **Cubo** exhaustively at a global and Australian level, to advocate producer peace of mind and confidence in guaranteeing quality of performance. Upholding the demands of producers is at the forefront of our product development, as we seek to maximise crop productivity, whilst incentivising simplicity and practicality from an operational perspective. Use it once, trust it always.