

TECHNOTE

An innovative formulation that assists late in-crop foliar applications to improve productivity by targeting crop health and providing additional nutrition. Increased nitrogen levels accelerate spray penetration and absorption, reducing overall application losses and boosting crop yields.

Absortec Copper is a premium phytostimulant that is suitable for application on all crops. The complete formulation of the product does not require additional 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, **Absortec Copper** is also compatible with liquid UAN.

How does Absortec Copper work?

As per the **Spraytec** formula, product composition revolves around chelated nutrients, phosphites and application technology. Featuring as the highest nitrogen-loaded product in our range, this provides producers the unique opportunity to enhance late-season spray applications and maximise yield potential. With all

nutrients being chelated, **Absortec Copper** can be safely mixed with other chemicals and ensures nutrition is rapidly accessible for plant uptake. Phosphites are well-known agricultural biostimulants that induce the upregulation of the phosphorus acquisition metabolism. Essentially, this encourages the plant to acquire more phosphorus, which leads to improved crop tolerance, quality and yield. Complementary application technology increases overall spray efficacy and performance to improve economic return.

Table 1: Critical information for Absortec Copper.

Product Type	Phytostimulant
Use Rate	1 – 2 L/ha
Timing	Pre-flowering
Compatibility	All pesticides
Crop Suitability	All crops
Nutrient Composition (% w/v)	Nitrogen 18.5% Phosphorus 1.0% Sulphur 0.9% Copper 0.2%
Pack Sizes Available	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 details a yield response to contrasting fungicide treatments in barley. Prosaro® 420 SC recommends Hasten® when applied at 150 mL/ha and subsequently was selected as a comparative treatment for **Absortec Copper**. Results outline the significant increase in yield (+460 kg/ha) due to the beneficial chelated nutrients and complementary application technology that **Absortec Copper** possesses. Neither treatment adversely affected the crop, with no biomass reduction or phytotoxicity observed across multiple assessments.

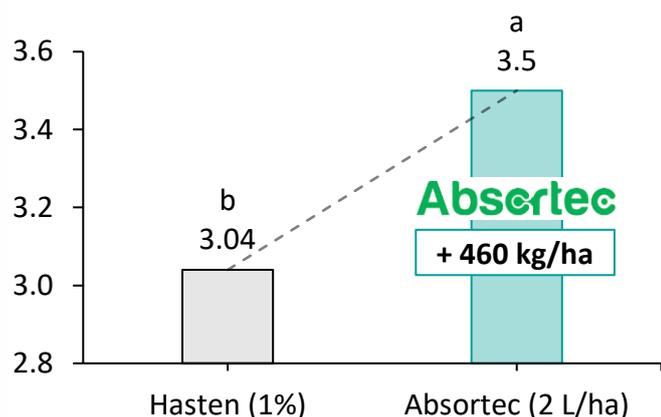


Figure 1: Barley yield (t/ha) following a late-season fungicide application of Prosaro® (150 mL/ha). Trial conducted in Quairading, WA by Living Farm (2020).

Figure 2 reinforces the effectiveness of **Absortec Copper** as an alternative additive option for a late-season foliar application. Numerical differences were observed in comparison to Hasten® in terms of yield and protein, where **Absortec Copper** out-performed. Grain test weights (kg/HL) and screening percentages were equivalent, meeting the criteria for H1, H2 and APW standard requirements for Australian hard wheat. Differences in results

were largely attributed to the chelated nitrogen present in **Absortec Copper**, that contributed to boosting crop productivity. Additional benefits from the application technology present in the product would also have assisted overall spray efficacy.

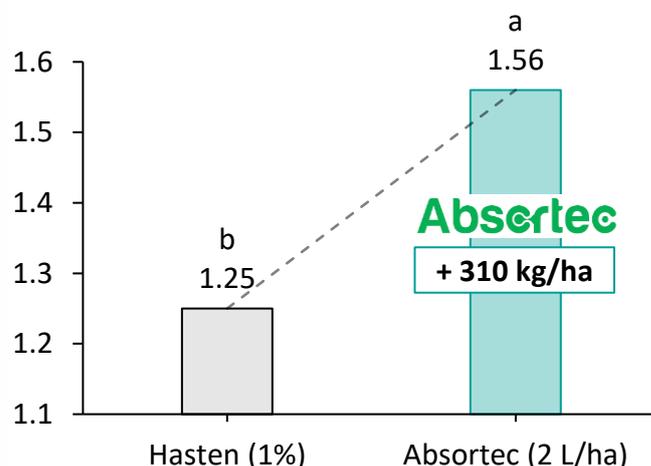


Figure 2: Wheat yield (t/ha) following a late-season fungicide application of Prosaro® (300 mL/ha). Trial conducted in Roseworthy, SA by AgXtra (2019).

Key messages and conclusions

Absortec Copper 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 **Absortec Copper** from comparable additive products in the current market.

Spraytec has trialled **Absortec Copper** 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.