

## Soybean

Alcorus™ is an advanced foliar spray containing our Talsano technology. Available in three nutrient formulations, Alcorus can be applied during vegetative stages to stimulate plant growth and yields.



### Benefits of Alcorus

- ✓ Talsano technology increases soybean yield by an average of 2-2.5%
- ✓ Increases root and shoot growth
- ✓ Compatible with glyphosate and glufosinate, along with other herbicides applied in the vegetative growth stages (V2-V6)
- ✓ Delivers manganese (Mn), phosphate (P) or potassium (K) in formulations that are not antagonistic to non-selective herbicides.

### Nutrient content of Alcorus

| Nutrient                    | Alcorus Mn |     | Alcorus P |     | Alcorus K |     |
|-----------------------------|------------|-----|-----------|-----|-----------|-----|
|                             | %w/w       | g/L | %w/w      | g/L | %w/w      | g/L |
| Mn                          | 5.0        | 63  | -         | -   | -         | -   |
| N                           | -          | -   | 4.9       | 58  | 1.4       | 14  |
| P                           | -          | -   | 7.1       | 84  | -         | -   |
| K                           | 7.1        | 89  | -         | -   | 4         | 42  |
| K <sub>2</sub> O equivalent | 8.5        | 107 | -         | -   | 4.8       | 50  |

### Talsano™ Enhanced plant growth technology

This technology stimulates plant growth and also helps build resilience to abiotic stress.

Talsano technology contains an important precursor to thousands of plant metabolites, which have important roles in growth, signalling reproduction and resilience to abiotic stress. Foliar application can stimulate these metabolic pathways.

#### Stimulates root and shoot growth

Talsano technology was assessed in two greenhouse trials, where it was applied to soybean plants at the second to third true leaf stage, at a wide range of concentrations. Plants were harvested after 3-4 weeks, and had significantly ( $P < 0.05$ ) increased root weight following Talsano application. Concentration 2 appeared optimal, increasing root weight by 11.4% and shoot weight (leaves and stems) by 5.5%.

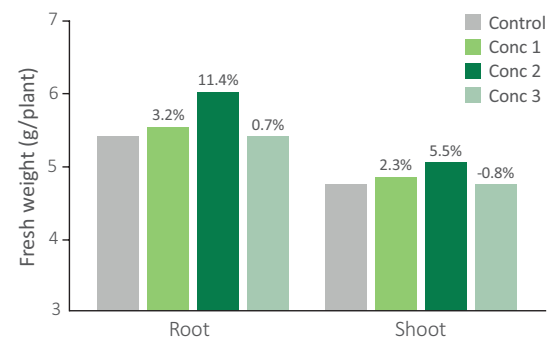


Figure 1: graph demonstrating increase in root and shoot fresh weight with Talsano

## Alcorus increases soybean yields

Alcorus Mn was tested in 21 replicated trials, conducted by different trialists across Brazil. The control yields were high (on average 4459 kg/ha) and yet there was a significant yield uplift ( $P < 0.05$ ) with Alcorus Mn, which gave an additional 95 kg/ha (2.1%).

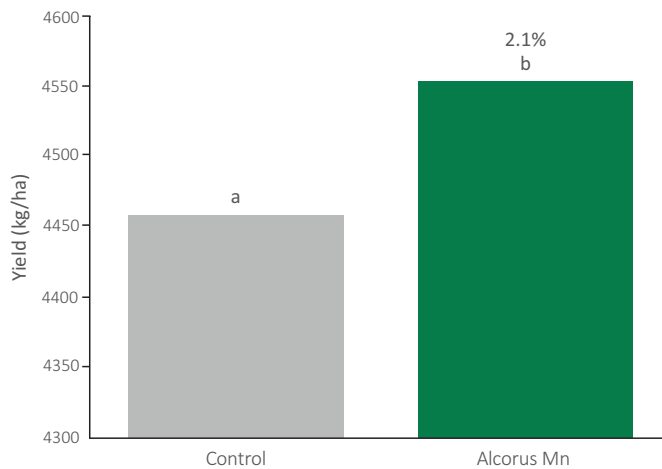


Figure 2: graph demonstrating increase in yield with Alcorus Mn

Similarly, Alcorus K was tested in 19 replicated trials, conducted by different trialists across Brazil. Alcorus K gave an additional 103 kg/ha (2.3%), which again was statistically significant ( $P < 0.01$ ).

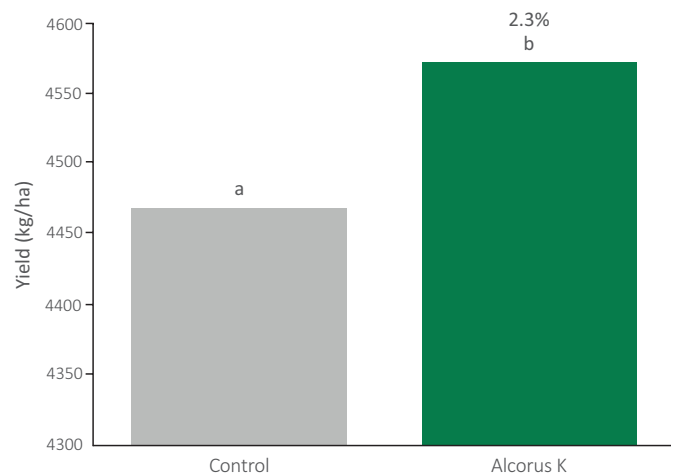


Figure 3: graph demonstrating increase in yield with Alcorus K

## We have a range of products to suit your needs

Within the Alcorus range we have three variations each with a different nutrient content. This couples the benefits of the Talsano technology with the flexibility of selecting the required nutrient for your application. Please speak to your agronomist to determine the most suitable product within our range.

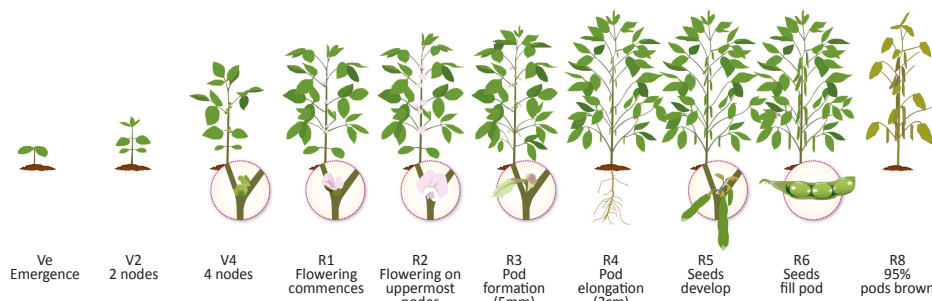
### Good herbicide compatibility

Glyphosate can form complexes with di- and tri-valent metal cations, such as Mn, making the herbicide less effective. During the products development, the nutritional base formulation of Alcorus Mn was optimised for herbicide compatibility. A chelated manganese, and additional components to enhance uptake, ensure good compatibility with glyphosate, glufosinate, and other herbicides. Alcorus P and Alcorus K are also compatible with non-selective herbicides.



## Directions for use

Shake well before use. Apply at V2 to V6 along with herbicides. See table for application rates. For more detailed advice, consult your agronomist.



| Product    | Application rate |
|------------|------------------|
| Alcorus Mn | 1 L/ha           |
| Alcorus P  | 0.5 L/ha         |
| Alcorus K  | 1 L/ha           |

### Tank mixing

Alcorus is compatible with most herbicides, fungicides, insecticides, adjuvants and foliar fertilisers.

Always conduct a jar test before use to ensure physical compatibility.

**Alcorus**™

Find more information on our Alcorus products for soybeans at:  
[www.plantimpact.com](http://www.plantimpact.com) e: [info@plantimpact.com](mailto:info@plantimpact.com)

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 01/22 PIPOS061V1 EN