



HYBRID  AG

SPRAY ADDITIVE

AMPLIFY



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AMPLIFY is a multi-functional spray adjuvant designed to reduce the pH of spray water and improve uptake by plants. It contains plant bio-stimulants to maximize uptake of the applied spray, allowing for improved absorption of the spray. It also contains wetters to improve the contact of the spray on the leaf and allow it to be most effectively absorbed by the plant being sprayed. Amplify also includes pH adjusters to lower tank pH and by so doing maximize the effectiveness of the applied spray.

The modes of action of the different ingredients of Amplify are listed below:

Cell Sensitizers

Cell Sensitizers have the ability to increase the permeability of the plant cell membrane, allowing the plant cell to absorb significantly more than it otherwise would.

Fulvic Acid

Fulvic Acid is included for its ability to assist with the bio-degradation of chemicals once contact with the soil occurs. Fulvic Acid is a powerful microbial food and stimulant and the associated increase in microbial activity can help to break down chemical, thus reducing the binding properties of chemical on metals such as Manganese within the soil.

Algae Foods

Carbohydrate sources are included, as some chemicals can impact Algae (single-celled plants that live on the surface of the soil) populations. Algae's role on the soil surface is at the top of the biological food chain - it provides a food source for beneficial soil microbes. Mortality of Algae can reduce the food sources available to beneficial microbial populations, so adding a carbohydrate source to a spray replaces some of that food source, filling the gap until the Algae recover.

Water conditioning agents are added to maximise water quality and effectiveness. The 3 way mode of action in amplify includes:

- Softeners – for removing minerals that affect spray quality
- pH adjusters – to buffer the spray water to 4 pH
- Coagulants and Flocculants – to ensure bicarbonates, carbonates and sediments are dropped from the solution.

The product is ideal for broadacre cropping with high concentration product allowing for low rates of application. This allows us to improve the effectiveness of the applied spray.

Recommended rates vary from 0.2-0.5L/Ha or 0.2% to 0.3% of solution or as advised by your agronomist.

