Nufarm’s Activator is a premium non-ionic surfactant which makes herbicide sprays easier to use and more effective for cane growers.

As a surfactant, Nufarm’s Activator improves the retention and uptake of the herbicide by reducing the surface tension of the spray droplets for better spreading and adhesion on the leaves.

It also works to reduce foaming and help manage spray drift, thanks to its superior formulation of lipophilic surfactants, built-in humectants and anti-foaming agents.

Cane growers can make the most of their chemical sprays wherever a surfactant is required or recommended on the product label.

**FEATURES AND BENEFITS**

- Reduces foaming in the tank for a quicker, no-fuss spray application.
- Gives cane growers better results from their herbicide spraying, even when rain arrives sooner than expected. It assists in the uptake of herbicides, reducing the time it takes for them to become rainfast.
- Reduces the driftable fines to help keep herbicide on target.
- Helps spread your dollar further. As a high performance surfactant, only low rates need to be added to each tank.

**HOW DOES NUFARM’S ACTIVATOR WORK?**

Adding Nufarm’s Activator is good insurance against untimely rain, because it reduces the time it takes for herbicides to become rainfast.

In Australian glasshouse trials, adding Nufarm’s Activator to glyphosate increased its efficacy compared with glyphosate alone when rain arrived one hour and three hours after application. See graph 1.

Nufarm’s Activator is an excellent adjuvant as it reduces driftable fines which improves efficiency. This means more spray hits the target with less risk of off target damage. See graph 2.

Trials show that adding Nufarm’s Activator reduces the amount of driftable fines compared with a typical wetter.

**GRAPH 1: Effect of adjuvants on glyphosate subjected to post spraying rainfall**

**GRAPH 2: AirMix® 01 nozzles, change in driftable fine droplets using adjuvants vs water (baseline 0)**

APPLICATION ADVICE

In sugar cane, Nufarm's Activator can be used in mixtures with Nufarm's Revolver®, weedmaster®, Agritone® 750, Amicide® Advance, paraquat or glyphosate.

Increase the rate of Nufarm's Activator as the rate of water sprayed per hectare increases.

Nufarm's Activator can also be added to mixtures of knockdown and residual herbicides at rates of 75 to 125 mL/100 L.

Use higher rates when spraying waxy, hairy, dusty or hard to wet leaves, or if the soil is dry.

When using Nufarm's Activator as a general purpose surfactant, add to the tank last.

When using Nufarm's Activator as a low foaming agent for wettable powders and water soluble products, add to water in the spray tank before the agricultural chemical.

Nufarm's Activator can be used wherever a surfactant or non-ionic wetting agent is required or recommended on the product label. Always use in accordance with product labels.

KEY INFORMATION

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<thead>
<tr>
<th>Product type and formulation</th>
<th>900 g/L non-ionic surfactants</th>
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<tr>
<td>Registered use</td>
<td>As a surfactant or non-ionic wetting agent or as a low foaming agent</td>
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| Use rates | Sugar cane  
• 60-120 mL/100 L for knockdown sprays  
• 75-125 mL/100 L for knockdown and residual herbicide sprays |
| Mixing | Low foaming – add to water before chemical  
General purpose surfactant – add to tank last |
| Compatibility | Compatible with a wide range of herbicides, insecticides and fungicides |
| Product pack sizes | 10 L |

INGHAM GROWER STICKS WITH NUFARM'S ACTIVATOR

Ingham cane grower, Anthony Castorina, has been using Nufarm's Activator for more than 15 years to achieve better results when spraying.

It's a practical solution that helps Anthony complete his spraying without the hassle of tanks foaming up.

"It's certainly got a lot of value for its anti-foaming properties," he said. "I can fill up the tank and get working a lot quicker."

Not only does Anthony find it great for products that cause foaming, he also appreciates its good spray performance and speedy time to rainfastness.

"When I have a narrow window to spray due to the weather and especially in blocks near populated areas, I use Activator," he said.

"I have found over the years that Nufarm's Activator improves the rainfastness of my herbicide sprays. I find that I get a better weed kill with using Nufarm's Activator."

He often uses Nufarm's Activator with Amicide® Advance 700 and weedmaster® herbicides.

"Nufarm's Activator has always helped and improved my spraying and I'll continue to use it when I need it," Mr Castorina said.