

Gly-Aktiv

Gly-Aktiv is a liquid formulation of Ammonium Sulphate (AMS) which incorporates the benefits of a water conditioner (essential when glyphosate is being applied in spray water with a pH above 7) with a pH buffering system.

Why use Gly-Aktiv?

Glyphosate is one of the most susceptible herbicides to alkaline hydrolysis caused by 'hard water'. Glyphosate is a weak acid and tends to dissociate in hard water as the glyphosate acid is bound to the Ca⁺⁺ and Mg⁺⁺ ions on the water. This makes the glyphosate unavailable even before it leaves the spray tank.

It is estimated that even 100ppm of Calcium can reduce glyphosate availability by 3% while in very hard water (1000 ppm) it can be reduced by up to 30% (Ken Brown, Murray State University, USA).

In water with pH 7 and above, using Gly-Aktiv with a standard 360 g/l glyphosate will **increase the efficacy and speed of activity**. Speed of activity is as important as efficacy, especially in the busy autumn season, either pre or post-harvest, when the farmer wants to get on with his autumn seedbed preparations as fast as possible.

Monsanto have publicly stated in presentations:

(Monsanto EMEA presentation, 2011)

“Ammonium sulphate is best for speed and enhanced activity”

Features & Benefits

- Improves speed of uptake of all Glyphosate formulations.
- Increases availability of all Glyphosate formulations in hard water.
- Can be used with all Glyphosate formulations.
- Is classified as an EC Fertilizer – no registration required.
- pH buffering system ensures the fastest and most complete activity available with glyphosate.