

ADJUVANT – SUPER WETTER

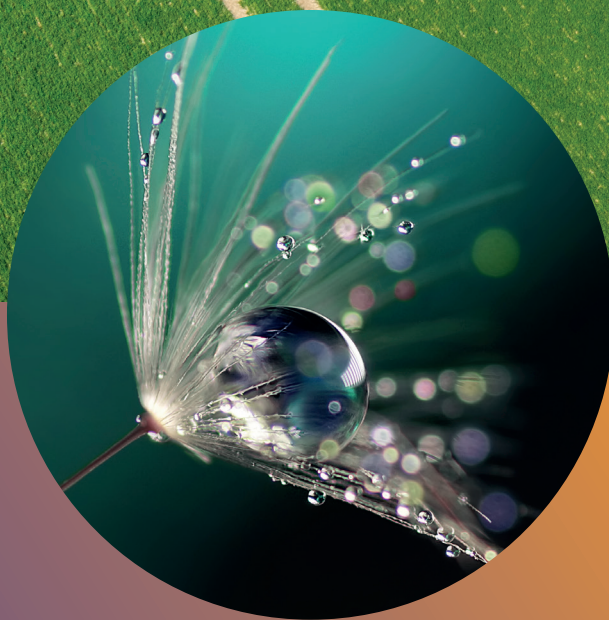
MASTERWett



TRIPLE ACTION

100%
Organosilicone

A polyether modified trisiloxane super wetter. For use with fungicides, insecticides & acaricides, herbicides, plant growth regulators and some foliar fertilizers in arable crops, horticulture, vines, and forestry.



- Master Wett is 100% Organosilicone adjuvant.
- It is a super-wetter/spreader.
- For use with all pesticides.
- Especially effective with fungicides, insecticides and PGR's.
- To improve leaf coverage and pesticide penetration into the leaf.

TRIPLE ACTION



Optimises pesticide deposition and leaf coverage.



Aids retention of the pesticide on the leaf.



Helps the pesticide penetrate through the stomata onto the leaf.

Master Wett Agronomic Benefits

- Improves spray coverage on the crop.
- Increases rainfastness.
- Increases speed of uptake of the pesticide into the leaf giving improved contact effect and knockdown, that leads to increased efficacy.
- Increases pesticide efficiency on waxy leaved crops such as oilseed rape, sugar beet, cabbage etc.
- The improved crop penetration helps the pesticide penetrate hard-to-reach areas of the crop – e.g. for Fusarium control (mycotoxins) in cereal ears, and getting pesticides inside the leaf sheath where uptake is faster and more efficient.

Application Rates:

Use	Rate concentration of spray solution
Herbicides	0.025% - 0.15%
Insecticides	0.025% - 0.10%
Fungicides	0.015% - 0.05%
Growth regulators	0.025% - 0.05%
Liquid fertilizers	0.015% - 0.10%

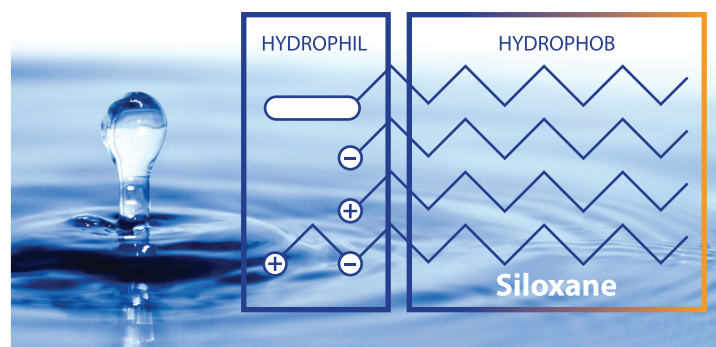
Which pesticides should I use it with?

- Master Wett can be used at low rates with all pesticides to improve wetting and spreading on the leaf.
- At higher rates, Master Wett is particularly beneficial to late season fungicides when the crop canopy is dense and complete leaf coverage is difficult.
- It can also be used with most foliar fertilisers and micronutrients.*



Master Wett Mode of Action

- Master Wett outperforms conventional surfactants due to the specific properties of the modified siloxane structure.
- The small, compact nature of the siloxane hydrophobe provides its extreme performance characteristics like extreme reduction of surface tension.
- This reduction in surface tension gives the super wetting performance. Typically, Master Wett increases the droplet spread at the leaf surface by 25% - 50% after 60 seconds.



Master Wett reduces surface tension and helps the chemical spread on the leaf.

The effect of surface tension

The surface tension of water is about 73.

A standard non-ionic wetter will reduce the surface tension of a typical pesticide solution to around 30-32.

Master Wett will reduce this to around 20-22 thus allowing 'super spreading', after 60 seconds.

REMEMBER

Because Master Wett is highly effective in increasing both the coverage of the target and uptake of pesticides, it ensures improved efficacy from any pesticide choice, as the optimum amount of active ingredient reaches its intended site of activity.

*Check compatibility before using



Global Adjuvants Company Ltd
20-22 Wenlock Road, London, N1 7GU
Tel: 00 44(0)1480 810137 Fax: 00 44(0)1480 810335 email:
office@global-adjuvants.com

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