

# Master Wett

100% Organosilicone super wetter



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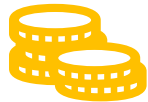
What is Master Wett?



Why use Master Wett - mode of action



Application rates



Economic benefits



Product summary



# GAC Environmental impact statement

Our aim is to allow pesticides to be used to their full effect, thus reducing pesticide use while helping the farmer to achieve maximum yield potential.





# What is Master Wett?

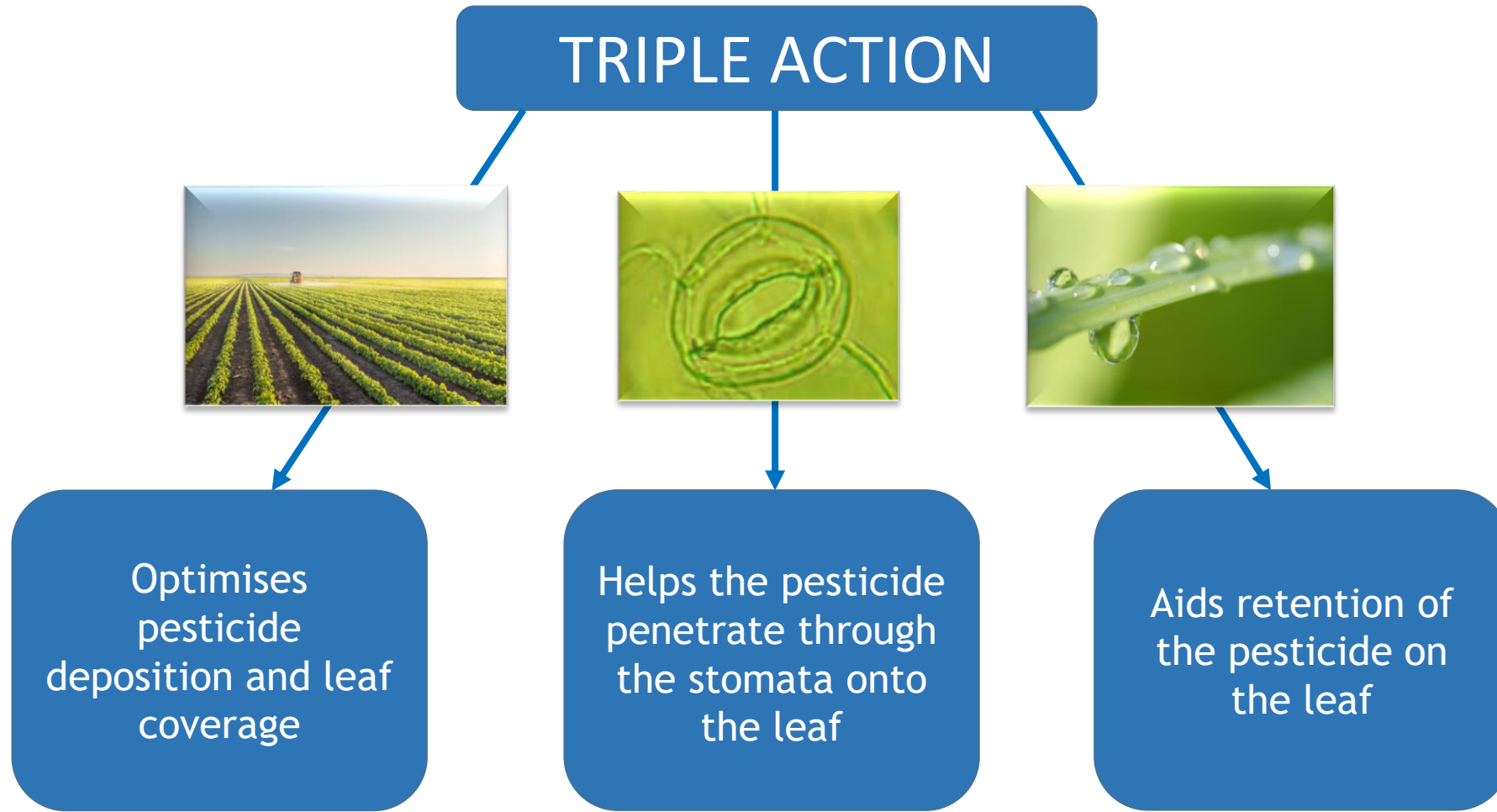


- Master Wett is 100% Organosilicone adjuvant.
- It is a super-wetter/spreader.
- For use with all pesticides.
- Especially effective with fungicides, insecticides and PGR's.
- To improve leaf coverage and pesticide penetration into the leaf.





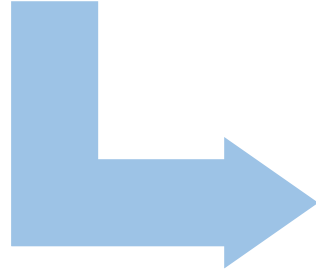
# Why use Master Wett?



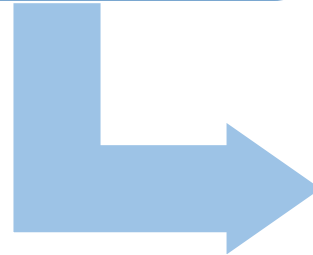


# Master Wett Mode of Action

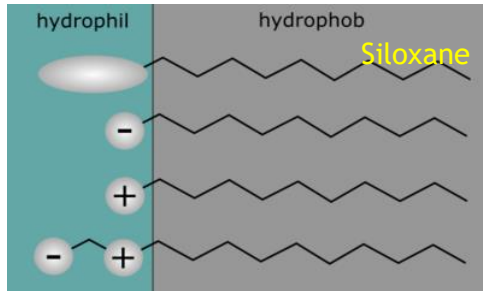
**Master Wett** outperforms conventional surfactants due to the specific properties of the modified siloxane structure.



The small, compact nature of the siloxane hydrophobe provides its extreme performance characteristics like **extreme reduction of surface tension**.

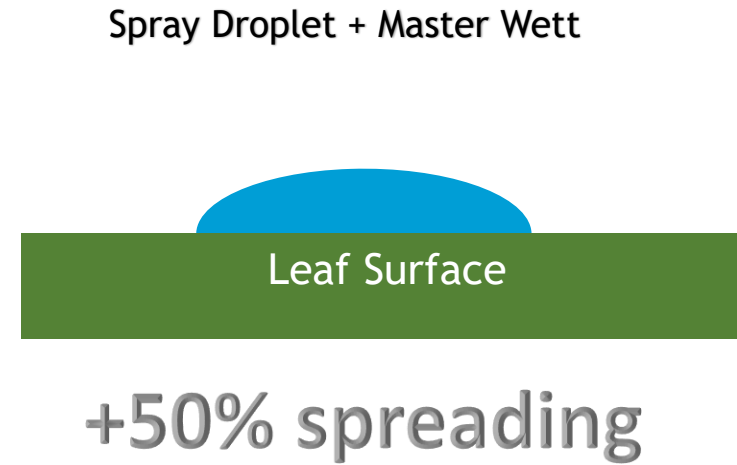
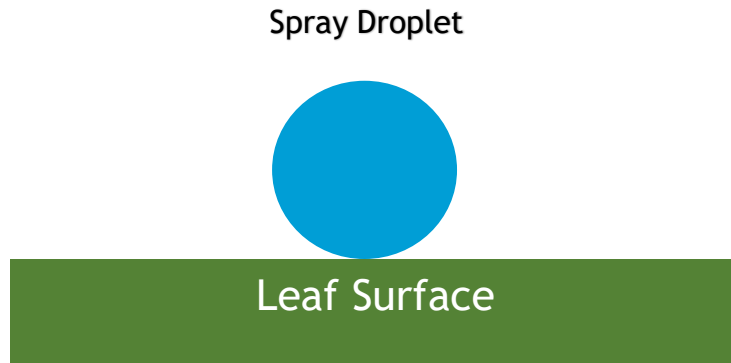


This reduction in surface tension gives the super wetting performance. Typically, **Master Wett** increases the droplet spread at the leaf surface by 25% - 50% after 60 seconds.





# Master Wett Mode of Action



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'.





1. Improves **spray coverage** on the crop.
2. Increases **rainfastness**.
3. Increases **speed of uptake** of the pesticide into the leaf giving improved contact effect and knockdown, that leads to **increased efficacy**.
4. Increases **pesticide efficiency** on waxy leaved crops such as oilseed rape, sugar beet, cabbage etc.
5. 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%                       |

Use Master Wett at  
50 ml - 100 ml / hectare as a  
general wetter / spreader





Which pesticides should I  
use it with?



# 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\*

*\* Check compatibility before using*





# Which pesticides should I use it with?

## PRODUCTS WHERE CROP COVERAGE IS IMPORTANT

Use with all **contact and protectant fungicides** to ensure good coverage.

Use with **translocated fungicides**, including the full range of triazoles and strobilurins for improved uptake.

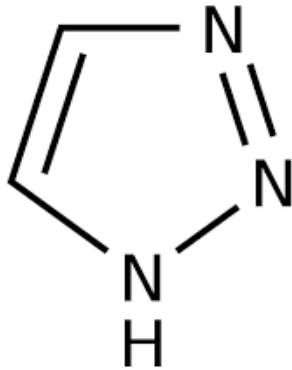
Use with **plant growth regulators and insecticides**.





# Which pesticides should I use it with?

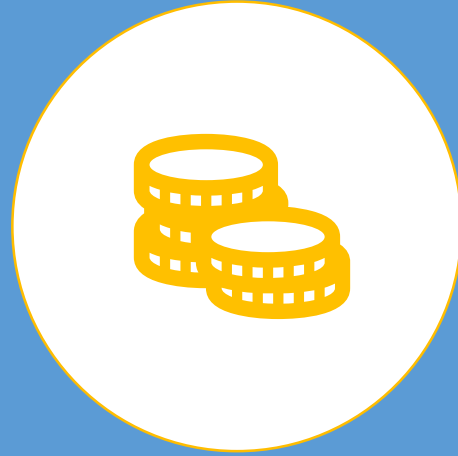
## Use With Triazoles



Triazoles frequently form the backbone of a fungicide program and the action of Master Wett in aiding triazole uptake results in a higher effective dose than when the fungicide is applied alone.

This is important in resistance management, particularly when less than full recommended doses are being applied.

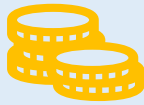




# Master Wett economic benefits







# Economic benefits for the farmer

Maximum efficacy of the pesticide can lead to less pesticide used overall, and fewer applications made  
= **PESTICIDE SAVING**

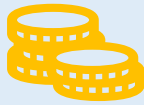
Super-wetting effect allows the use of lower water rates per Ha = **FUEL SAVING**

Lower water rates mean more hectares sprayed per day = **OPERATIONAL COST SAVING**

Maximum efficacy of the pesticide = **LESS CROP DAMAGE, HIGHER YIELDS, BETTER QUALITY**

All of the above mean **VALUE FOR MONEY** to the farmer!





# Environmental benefits

- Master Wett maximises efficiency of the pesticide on the leaf - maximum efficacy can lead to fewer applications made and, **LESS PESTICIDE USED OVERALL**
- Helps the pesticide penetrate hard-to-reach areas - helps **REDUCE RESISTANCE**
- Super-wetting effect allows the use of **LOWER WATER RATES**
- Less water rates means **LESS FUEL USED, LOWER EMISSIONS, LOWER CARBON FOOTPRINT**
- More hectares per day means less spraying in unfavourable conditions - **LESS DRIFT**





# Product summary





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.

# Remember

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