

**FOR
FACTS
SAKE**

WITH NEW CHEMISTRY,
NEW ACTIVES AND A LOT
OF MISINFORMATION IN
THE MARKET, SORTING THE
FACTS FROM THE FICTION IS
NOT ALWAYS EASY.

Overwatch
HERBICIDE

Spray Application Matters

Accurate placement and uniform coverage from the spray application are the most critical objectives when applying any pesticide. It is important to have your spray equipment accurately setup and calibrated. In the case of herbicides, significant losses can occur from poor application, ranging from reduced weed control through to off-target drift or in-crop injury, MRL exceedance and extended plant-back impacting future crop choice. There is also the very serious risk of drift impacting adjacent crops, pasture and the environment. These risks can all be avoided by spending time ensuring the boom spray is set up correctly for each situation before proceeding to fill up the spray tank.

Before starting always ensure the sprayer has been thoroughly cleaned, using a suitable tank cleaner as directed. Defer to the most rigorous cleanout procedure if tank mixing with a partner, or if uncertain of what may have been in the sprayer prior to the next application.

In the case of Overwatch® Herbicide the most preferred application set-up is:

✓ Nozzles

Nozzles that produce at least COARSE spray quality (e.g. TeeJet AIXR02 nozzles at 3 bar) operated within their optimum pressure range and angled backwards to the direction of travel to reduce horizontal movement.



Image courtesy of Teejet

✓ Filters

With Overwatch® Herbicide the use of coarse mesh in-line and nozzle filters is recommended. Nozzle filters should not be finer than in-line filters with the latter being 50 mesh (300µm).

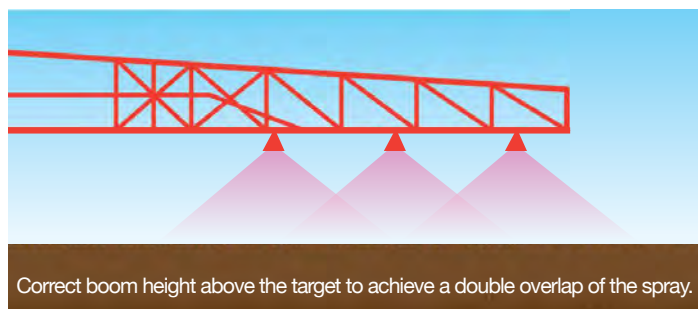
Filter Mesh	Micron (µm)
120	125
100	150
80	180
50	300
30	600

Image courtesy of Teejet



✓ Boom Height

Set the boom at the minimum height above the target, preferably 0.5m, to achieve a double overlap of the spray on the target and to minimise the loss of herbicide through drift. Nozzle spacings should be between 25cm to 50cm.



✓ Water Volume

Best practice is to use the highest water volume as reasonably possible. FMC recommends using a spray volume of no less than 80 L/ha. Including a compatible drift reducing adjuvant in the tank mix (at label rates) will further minimise fine droplet production and enhance soil deposition in standing stubble. Coarser droplets are more likely to reach the soil in standing stubble.

✓ Spraying Speed

Excessive travel speed affects the turbulence behind the sprayer, increasing opportunity for drift of fine droplets. For this reason, a maximum travel speed of 20 km/hr, but more preferably 16 km/hr is advised.



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FMC

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