

Get a new perspective on grass weed application

Application
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Watch the new Syngenta 360 video that will give a better understanding of pre-emergence application techniques and guide to help get improved results and minimise drift this autumn, advocates Mel Wardle.

Syngenta has put a whole new perspective on grass weed control, with an exciting 360° immersive video experience showing the impacts of spraying techniques.

Introduced at Cereals 2018, the new video clearly demonstrates the potential of 90% Drift Reduction Nozzles to ensure pre-emergence sprays actually hit the intended target soil surface- and are not lost to drift.

[Watch the 360 video here - use the scroll arrows to look all around whilst watching](#)

Further aerial drone, steady-cam and ground-hug camera technology lets operators see exactly what's going on behind, in and under the spray boom - including the dramatic effect of sprayer speed and boom height on the risk of spray drift.

With the benefit of 360° headset technology, the viewer gets a unique opportunity to experience what going on in the spray pattern.



“With any pre-emergence herbicide application it’s all about getting the maximum amount of product on the ground, with even coverage of the soil surface,” according to Syngenta grass weed specialist, Melanie Wardle. “One of the primary issues is drift, which takes product away from the target and reduces the potential efficacy of the treatment.”

Mel highlighted that drift risk is often greater with pre-emergence treatments because there is no crop to intercept and trap spray droplets.

“In reality, a proportion of the low velocity small droplets from conventional nozzles may never reach the target,” she warned.

“However, operators have the capability to set up their sprayer to minimise drift and, importantly, to enhance the efficacy of all pre-emergence applications.”

She also pointed out that growers and operators have an obligation to minimise risk of drift to prevent spray movement into ecological areas or non-target crops, as well as protecting the future regulatory approval of important herbicide options.



Controllable factors pinpointed to help operators minimise spray drift are a combination of forward speed, boom height and nozzle choice. Added to that, water volume is another operator-controlled variable where new Syngenta trials have shown improved efficacy for black-grass control.

“The mantra for all operators to follow is Go Low; Go Slow; Get Covered,” she advised.

[Watch the 360 video here](#)

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