

Life in Life Scientific...



Picture courtesy of The Scarborough News

It's briefing season and a great opportunity for us at Life Scientific to get out and about to meet agronomists and growers.

As we travel to various parts of the UK it's always a surprise to see the variation in drilling progress and crop growth.

In the wetter areas of the Midlands and Lincolnshire there are farmers who haven't been able to get onto the land since the end of September. In the north and south of the country crops are faring much better and growers have been able to make good progress.

It's a reminder of how powerful the weather can be and how powerless we are to do anything about it.

Product News

In those areas where machinery travel is possible, growers are considering their herbicide options.

Cintac and Niantic contain mesosulfuron-methyl and iodosulfuron-methyl-sodium, two highly active sulfonylurea herbicides for the control of black-grass, wild oats, rye-grasses, meadow grasses, common chickweed, mayweeds, charlock and volunteer oilseed rape in winter wheat. The synergistic effect of both actives at the higher rate in Cintac will also provide good activity on bromes when used at 0.5 kg/ha.

For more information including product label, safety data sheet and compatible tank mixes see the Life Scientific website <https://lifescientific.com/products/> or download the App to get product information direct to your phone.



Top Tips for Black-grass Control

Spray applications expert Tom Robinson has been trialling Cintac for the past two years to understand how to get the maximum weed control by using different application techniques.

The trials looked at levels of black-grass control using four mainstream nozzles and three different boom heights.

With many growers looking to start their herbicide programmes in spring as they were unable to apply any autumn products it will be vital to get the best performance possible from any products.

Four different nozzle types were tested to see how they influenced efficacy of Cintac against black-grass.

The Guardian Air 110° reduced drift, Traditional Flat Fan 110° with medium spray quality, a Flat Fan 80°, giving a higher energy output and a Defy 3D set to alternate forwards and backwards along the boom.

The best black-grass control was achieved with the nozzle which gave the greatest spray deposition on all four surface areas of the water sensitive targets. The Defy 3D nozzle gave the best all-round coverage at both 50 and 100cm above the crop.



Boom Height

The boom height of the sprayer is incredibly important to get maximum efficacy from Cintac, or any product being used. For all four nozzle types tested in the Cintac application trials, the boom height was important, although the Guardian Air was the least sensitive to the different heights.

From 50 to 100cm the most consistent performing nozzle decreased coverage of the water sensitive paper by 10% and none of the nozzles tested had more than 8% coverage of the front vertical side of the targets when the boom height was set to 100cm above the crop.

Combined coverage on all surfaces from the 4 nozzles fell from 26% at 50 cm nozzle height, to 19% at 100 cm. a drop of 35%. The figures illustrate the importance of keeping the nozzle at a height no greater than 50 cm above the crop, to get the best kill of blackgrass.

Using headcount and yield loss data from Dr Stephen Moss, (formally Rothamsted Research), using the Defy 3D nozzle over the Guardian Air would give an increase in yield of 0.7 tons/ha.

This season, with the variation in control of yield-robbing grass weeds such as blackgrass, every care must be taken to preserve profitability and minimise seed return for the following year.

Best Practise: Apply Cintac in 200l/ha at not more than 12km/hr using a Defy 3D (05 or 06), nozzle height should not be more than 50cm above the crop.

For more information about Life Scientific and our products. Please see contact methods below.

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Cintac and Niantic are registered trademarks of Life Scientific. Cintac and Niantic contain iodosulfuron-methyl-sodium and mesosulfuron-methyl.

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