

## Life in Life Scientific...



11<sup>th</sup> February marks the [United Nations International Day of Women and Girls in Science](#), which was established in order to achieve full and equal participation in science for women and girls.

Many of you will know that Life Scientific was founded by Nicola Mitchell, who was recently named winner in the 2020 EY Entrepreneur of the Year. It is Nicola's background in science that has driven her to challenge the status quo and find innovative solutions that allow Life Scientific to offer a wide range of off-patent products that exactly match their counterparts.

We thought this would be a fitting time to support this initiative and also take the opportunity to recognise and celebrate all women in scientific roles in our industry.

## 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. When used at the higher rate of 0.5 kg/ha Cintac will also have useful activity on brome species.

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 Life Scientific App to get product information direct to your phone.



# Azoxystar Use In Potatoes

Azoxystar is a reverse engineered Amistar and contains 250 g/l azoxystrobin. It is a broad-spectrum fungicide with translaminar, systemic and protectant activity for use in a wide range of crops.

One of those uses is in potato crops at planting.

We joined forces with Team Sprayers and Techneat Engineering to confirm the application performance of Azoxystar through direct injection applicators designed for in-furrow treatment.

Perfect application results were achieved on both the Team Sprayers Compact 120 and Techneat In-Furrow V2 equipment. Both machines gave identical throughput of Azoxystar compared to Amistar when tested at between 3 and 5 bar.

Spray volumes were also assessed using two different nozzle types, AZ and Lechler to suit different forward speeds and application volumes between 50 to 150 l/ha.

To assess disease control performance, 10 replicated field trials were conducted in the UK and Northern France. They showed no significant differences in disease reduction levels between Azoxystar and Amistar when used in furrow in potatoes for the control of Stem Canker, Black Scurf and Black Dot.

Azoxystar is easy to pour and easily cleaned from the system by standard washing procedures.

Azoxystar can be used at a maximum total dose of 3 l/ha at planting in the furrow.

Post emergence applications are also permitted for the control of early blight.



# Kipota Equivalence

We took advantage of the fact that NIAB had an abundance of wild oat seeds after working with us on the wild oat resistance project during last summer and asked them if they would also carry out efficacy trials on Kipota.

Kipota, containing 240 g/l clodinafop is our reverse engineered Topik. A herbicide with useful activity on a number of grass weeds but is particularly strong for wild oat control.

Winter and Spring wild oat species were planted by NIAB and grown on in glass houses for evaluation.



Both Kipota and Topik were applied to plants at a rate of 0.125 l/ha plus oil. Plants were assessed for fresh weight per pot, percentage reduction, plant mortality per pot and percentage control. The photo above was taken at 32 DAA. All data collected during the trial showed no statistical difference between Kipota and Topik.

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

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Azoxystar, Cintac and Niantic are registered trademarks of Life Scientific. Kipota is a trademark of Life Scientific. Cintac and Niantic contain iodosulfuron-methyl-sodium and mesosulfuron-methyl. Azoxystar contains azoxystrobin. Kipota contains clodinafop and cloquintocet-mexyl.

All other products are those of other manufacturers where proprietary rights may exist. Use plant protection products safely. Always read the label and product information before use. For further product information including warning phrases and symbols refer to [www.lifescientific.com](http://www.lifescientific.com)