

## NIANTIC



NIANTIC contains 30 g/kg mesosulfuron-methyl + 6 g/kg iodosulfuron-methyl-sodium.

This combination of two highly active sulfonyleurea herbicides for the control of sensitive Black-grass, Wild-oats, and Rye-grasses, as well as meadow grasses, common chickweed, and mayweeds in winter wheat.

For more information including product label, safety data sheet and compatible tank mixes see the Life Scientific website <https://lifescientific.com/products/uk/niantic/>

Download the App to get product information direct to your phone.

## The product

NIANTIC is a reverse-engineered herbicide formulation based on the standard reference product, Atlantis WG.

NIANTIC, plus authorized adjuvants PROBE or Biopower, will control the following weeds in winter wheat and is most effective when weeds are small and actively growing. Weeds should be emerged at the time of application and those emerging after application will not be controlled.

WEED SPECIES	MAX. GROWTH STAGE (BBCH)
Annual Meadow-grass	Post-emergence (GS31)
Black-grass (sensitive)	Post-emergence (GS39)
Common Chickweed	Post-emergence to 8TL (GS18)
Italian Rye-grass (sensitive)	Post-emergence (GS30)
Mayweeds	Post-emergence to 8TL (GS18)
Perennial Rye-grass (from seed)	Post-emergence (GS31)
Rough-stalked Meadow-grass	Post-emergence (GS31)
Wild-oats	Post-emergence (GS29)

One application of 0.4 kg/Ha NIANITIC + 1.0 L/Ha PROBE should be applied to small, actively-growing weeds from autumn until early spring when the wheat has two leaves (GS12) up until the flag leaf ligule is just visible (GS39).

NIANTIC + PROBE should be used in tank-mix and sequence with supported herbicides with an alternative mode of action.

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# Resistant Populations

Populations of Black-grass and Italian Rye-grass with varying levels of resistance to ALS and ACCase herbicides are widespread in the UK. NIANTIC must therefore always be used as part of an integrated approach to weed control involving rotation, cultivations, stale seedbeds and delayed drilling. NIANTIC + PROBE should be mixed with an effective residual tank-mix partner, and sequenced with alternative modes of action such as the pre or early post-emergence herbicide, FIRESTARTER which contains flufenacet and diflufenican.

Best control will be achieved by application to small actively growing weeds, ideally between 1 and 3 leaves, and when the majority of the weed population has emerged.

## Application Trials

Whichever weed is being targeted, application of the herbicide is critical. This is especially true with grass weed control when applying to small weeds in the autumn. NIANTIC is a contact herbicide, meaning that effective spray coverage and retention on the target can make a significant difference to efficacy.

Over the last two years, applications expert Tom Robinson has been conducting trials for Life Scientific to investigate how to get the most from products containing mesosulfuron-methyl and iodosulfuron-methyl-sodium, including NIANTIC.

The replicated and large-scale field trials showed that boom height and nozzle choice were key to getting the best performance from the herbicide.

Black-grass spray coverage 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 Black-grass.

The 'Best Application' is the one which will give the best efficacy under the widest range of conditions, whilst also managing drift. Tom advises keeping boom height to no more than 50cm, maintaining sprayer speeds at 12kph and only using NIANTIC with approved adjuvants PROBE or BioPower.



## About Life Scientific

We specialise in bringing high quality off-patent crop protection products to market. Our goal is to give our customers better options to meet their plant protection needs.

So if it's under the Life Scientific brand you can be confident it's as effective as the current leading standards in the market.

**For product queries in the UK, call our new free phone helpline 0800 044 5025 or email [infoUK@lifescientific.com](mailto:infoUK@lifescientific.com)**

NIANTIC is a registered trademark of Life Scientific. PROBE is a trademark of Life Scientific. NIANTIC contains mesosulfuron-methyl and iodosulfuron-methyl-sodium. FIRESTARTER contains flufenacet and diflufenican.

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)