



## Firestarter

Firestarter contains 400 g/l flufenacet and 100 g/l diflufenican and is a pre and post emergence herbicide for the control of grass and annual broad-leaved weeds in crops of winter and spring wheat and barley.

Firestarter contains flufenacet which is a contact and residual active and is regarded as an essential component of any black-grass control and resistance management strategy .

Firestarter is formulated as a suspension concentrate.

For more information including product label, safety data sheet and compatible tank mixes see the Life Scientific website

<https://lifescientific.com/products/uk/firestarter/>

or download the App to get product information direct to your phone.

## Black-grass Control

Although black-grass germinates in the autumn and spring, it is a particularly problematic in autumn sown cereal crops. Seed returns of up 1000 seeds per plant are the biggest problem in controlling the weed so it's vital to get plant numbers down to reduce reproduction rates.

Black-grass can be resistant to ACCase and ALS herbicides so early controls, both cultural and chemical are needed.

Flufenacet containing products such as Firestarter should form the cornerstone of the chemical control programme.

In winter crops use at pre emergence timing at 0.6 L/ha, or in particularly challenging black-grass situations use Tri-allylate pre and Firestarter post emergence.

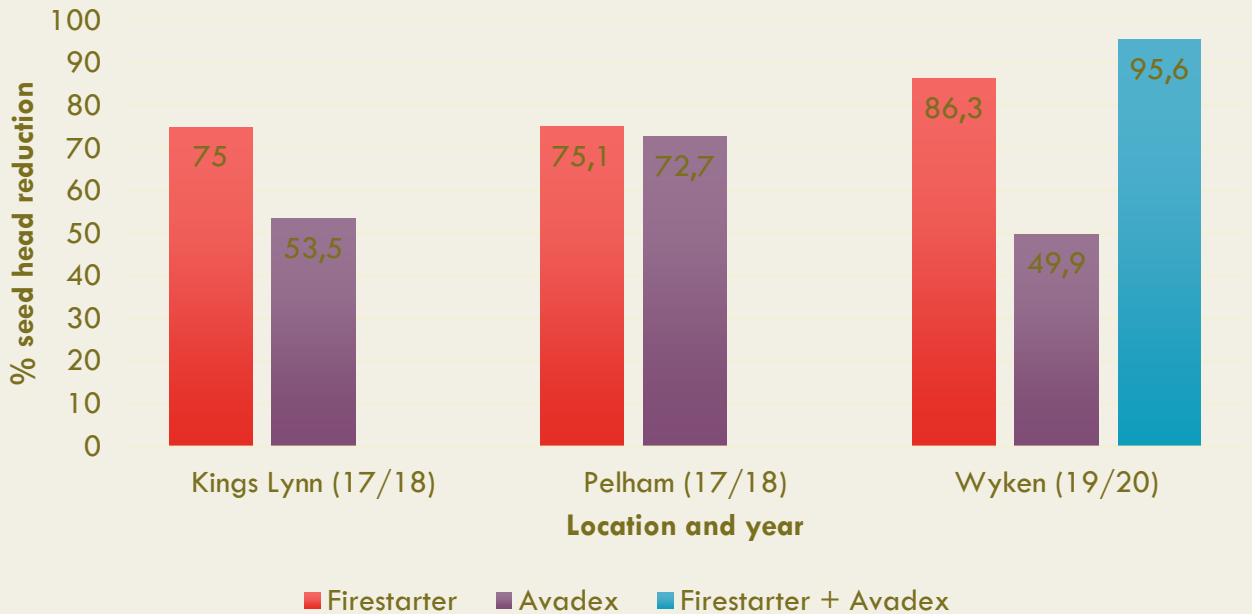
Application should be when weeds are small and actively growing. In winter crops Firestarter can be used as a follow-up post emergence treatment at 0.3L/ha in addition to its existing pre- emergence use of 0.6L/ha.

For black-grass control in spring wheat and barley, use at 0.3 L/ha before the 4<sup>th</sup> true leaf stage, GS 14, in spring wheat. For spring barley applications must be at the pre emergence timing.



# Firestarter Field Trials

## % Black-grass seed head reduction across 3 trials between 2017 - 2020



Replicated field trials have been carried out over the last three years by the team at Prime Crop Research Ltd in order to demonstrate the efficacy and crop safety of Firestarter when used alone and as part of a programme with other herbicides.

The results shown above are taken from 3 UK sites with high black-grass populations and show the percentage reduction of black-grass seed heads relative to the untreated plots. Untreated populations range from 62 to 527 heads m<sup>2</sup>.

When applied alone, Firestarter provided significant levels of black-grass control with % seed head reduction ranging from 75 to 86%. When applied together in a programme with Avadex at the Wyken site, over 95% seed head reduction was observed.

- Firestarter has been registered by CRD based on equivalence to its reference product Liberator
- Firestarter has also been marketed by Certis under the trade name of Firestorm, the product has been widely used in the UK for three years
- Full range of product tank mix compatibilities is available on the Life Scientific Ltd website
- Firestarter offers a significant contribution towards an effective resistance management strategy in terms of reducing the risk of resistance developing to other modes of action and control of weed biotypes that have already developed resistance, like black-grass

## 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)**

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)