

# Arable Update

MARCH 2020

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## Spring barley weed control with Arylex<sup>™</sup> active based products.

Control of broad-leaved weeds in spring barley will be more difficult this season. Spray days are likely to be limited with a backlog of drilling and other on farm activities to fit in, so growers must make the most of the first opportunity to hit weeds hard once they emerge.

Spring barley will also be grown outside of its traditional areas this year, resulting in different weed challenges.

### Spring barley weeds

Key broad-leaved weeds in spring barley include cleavers, *Polygonum* species, such as black bindweed, fat hen and chickweed. Cleavers, though competitive, are less of an issue in spring barley. Chickweed control on the other hand has become a challenge, because it is estimated that in Scotland, 50% of the population is believed to be resistant to the sulfonyl-urea (SU) herbicides. Where spring barley is grown in wheat areas, SU resistant poppy could also be an issue, with few options for control.

Other weeds have also become difficult to control, although these are not thought to be resistant. Of these, fumitory has become the most problematic, because it is not adequately controlled by SUs nor phenoxy herbicides and can be a real pain in spring barley crops when left uncontrolled.

Another key issue for spring barley weed control, particularly in Scotland, is the effect of temperature on herbicide performance. Many herbicides work best when conditions are warm and often performance can be compromised if conditions are cold. SU herbicides in particular are affected in this way.

But there is clear evidence that a significant yield benefit can be derived from treating weeds early in the season.

To take out weed competition early, choose a herbicide that is not affected by cold conditions. The introduction of herbicides based on Arylex provide excellent performance in colder and more variable conditions and although a synthetic auxin, it differs completely from other synthetic auxins such as fluroxypyr because it has a much wider window of application.

### Why choose Arylex for spring barley weed control?

Many of the most difficult weeds to control in spring barley, namely cleavers, black bindweed, fat hen, chickweed and fumitory are well controlled by Arylex. It also provides effective control of cranesbill and is a useful addition to the battle against resistant chickweed and poppy, providing an alternative mode of action to the SU herbicides.

## Zypar<sup>®</sup>

Arylex<sup>™</sup> active

**HERBICIDE**

Arylex plus florasulam has a wide spectrum and brings in control of mayweed and brassica weeds in addition to the core Arylex species. Get full product details [here](#).

## Pixxaro<sup>®</sup> EC

Arylex<sup>™</sup> active

**HERBICIDE**

Arylex plus fluroxypyr has a narrower spectrum, but does include fluroxypyr as an additional mode of action for control of SU resistant chickweed. Get full product details [here](#).

## Arylex™ active benefits.

- Outstanding cleaver control.
- Fast acting, even when weather conditions are marginal, allowing early removal of weed competition.
- Flexible application window from GS13 to GS45, beyond both SU and the phenoxy herbicides.

- Excellent activity against fumitory, not adequately controlled by SU or phenoxy herbicides.
- Effective against ALS resistant weeds such as chickweed and poppy.
- The only real solution for SU resistant poppy if no pendimethalin has been applied.
- A wide range of tested tank-mix compatibilities that allow you to complete the weed spectrum by

adding other herbicides such as Harmony M for boosting control of the *Polygonum* and *Umbelliferae* species for example.



## Managing powdery mildew.



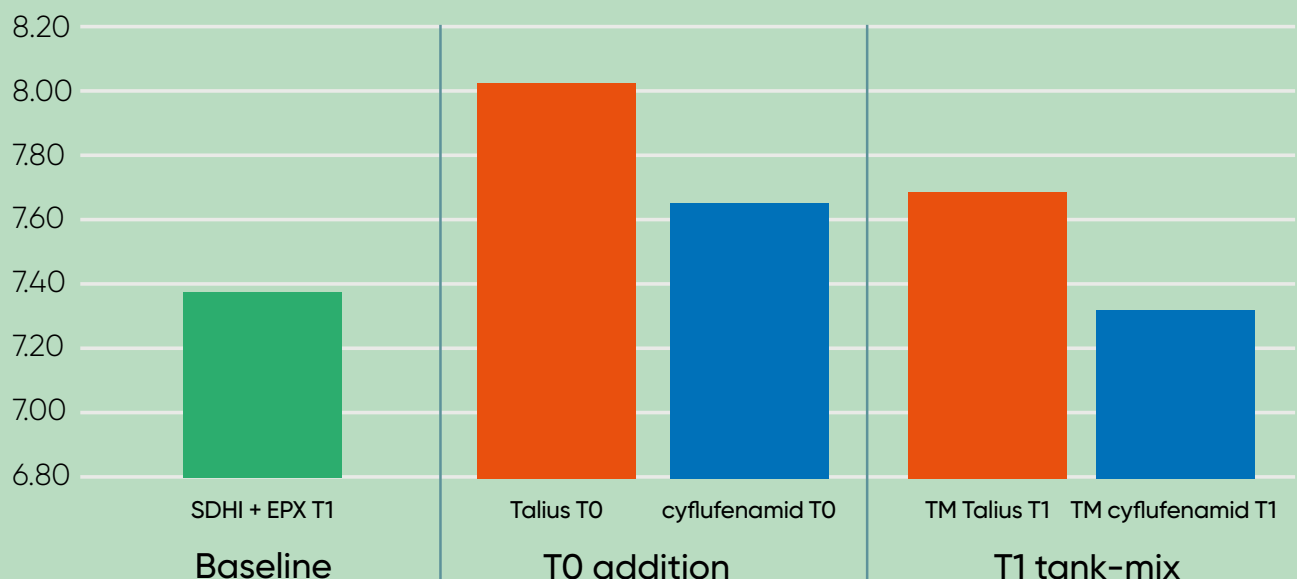
**Incidence and impact of powdery mildew will be greater this year as late drilled, stressed backward crops are at a higher risk on powdery mildew, particularly now as spring temperatures rise and leaves dry off encouraging rapid disease progression.**

In these situations the most cost effective way to manage powdery mildew is to apply a specific mildewicide at the T0/T1 fungicide timing rather than allow the disease to progress impacting on tiller number and grain site initiation.

**Talius® applied at 0.125 L/ha is the ideal mildewicide to use at the T0 / T1 fungicide timing providing:**

- Long duration protection from mildew
- Acts as an elicitor boosting the efficacy of other spray programme components adding to the control of other diseases
- Improved tiller survival and grain site initiation leading to increased yield.

### Yield benefits of Talius or cyflufenamid used at T0 or T1



One trial 2016. Mildew 17% and Septoria 16% in the untreated

# PT279CL – The top AHDB Clearfield hybrid from Corteva.

PT279CL is the latest high-yielding Clearfield OSR hybrid from Pioneer. It is the only Clearfield hybrid that's made the grade for UK listing on the [AHDB Recommended List](#) and was developed to provide farmers with a convenient solution for the control of difficult weeds in winter OSR crops. It combines the genetic traits growers require for a quality hybrid seed with the added benefit of a targeted herbicide, which delivers broad-spectrum activity.

Using a variety such as PT279CL is a new way to approach weed control in oilseed rape, allowing true post-emergence broad-spectrum activity on weeds such as charlock, cranesbill, fumitory, groundsel, mayweed, poppy and chickweed.

PT279CL was put through UK registration trials and registered in the UK at the end of 2017, meaning its first commercial year was 2018. Of all the Clearfield hybrid varieties that have come to market, none have been as thoroughly tested.



RECOMMENDED



Clearfield®

Production System for Oilseed Rape

## Meet the Technical Services Team.



Georgina Clayton



Nicola Perry



Tom Sowerby

Our Technical Services Team are always at hand to help answer any agronomy questions.

Technical hotline: **0800 689 8899**

Email: [ukhotline@corteva.com](mailto:ukhotline@corteva.com) Visit: [www.corteva.co.uk](http://www.corteva.co.uk)

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Please include course name 'Arable Update' and number 'CP/84239/1920/g' on your training record and send to: [linda@basis-reg.co.uk](mailto:linda@basis-reg.co.uk)

These details apply until 31 May 2020.



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Technical Hotline: 0800 689 8899 E-mail: [ukhotline@corteva.com](mailto:ukhotline@corteva.com)

USE PLANT PROTECTION PRODUCTS SAFELY. Always read the label and product information before use. For further information including warning phrases and symbols refer to label.

Corteva Agriscience™, CPC2 Capital Park, Fulbourn, Cambridge CB21 5XE. Tel: 01462 457272.

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Clearfield is a registered trademark of BASF. Pixxaro®EC contains halauxifen-methyl (Arylex™ active) and fluroxypyr.

Talius® contains proquazid. Zypar® contains halauxifen-methyl (Arylex™ active) and florasulam.