

# Arable Update

APRIL 2021

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## Univoq™ fungicide is here, offering a new and unique solution for broad-spectrum cereal disease control.

If you missed our Arable Update Special Edition earlier this week, we wanted to share the great news that Univoq fungicide is now approved for sale and use in the UK.

Univoq is a new product combining the strengths of Inatreq active - from a whole new class of chemistry - with the tried and trusted triazole prothioconazole.

Based on Inatreq™ active, Univoq offers robust disease control of the key wheat diseases such as rusts and Septoria – including strains resistant to other chemistry.

Optimised by Corteva's i-Q4 formulation, Univoq provides near 100% leaf coverage allowing application flexibility whilst maintaining robust protection, so you can secure your yield and the future of your farm.

[Read the launch press release here.](#)

**Univoq™**  
Inatreq™ active  
**FUNGICIDE**

optimised with  
**i-Q4™**  
Technology



[Click to watch Stuart Jackson, Corteva Cereal Fungicide Technical Lead, introduce Univoq.](#)



To find out more about this exciting new chemistry, [click here](#) to download the brochure.

### Grab a green light giveaway!



To celebrate our newest fungicide getting the green light, we're offering you the chance to **win one of 200** fantastic Inatreq active torch packs. This rechargeable 500 lumens torch comes complete with USB cable and car charger adapter, all in a handy carry case\*.

\*See website for full T&Cs.

**CLICK TO ENTER**

# Sclerotinia focus.

With winter oilseed rape flowering time upon us, and the launch of PT303 Protector® Sclerotinia for sowing in 2021, it is timely to consider this disease in more detail.

Sclerotinia is a soil-borne fungal pathogen, which can remain viable in the soil for up to 8 years. A single sclerotium produces 10 – 14 apothecia which in turn produce 10 – 14 million spores and it can affect many crops, including: oilseed rape, peas, beans, lucerne, carrots and potatoes (>400 host species).

Sclerotinia is usually the main disease to impact OSR at the important flowering stage and in severe infections the yield impact can be >50%! Although epidemics are uncommon, localised infections occur most years and the inoculum burden continue to build if infections are not controlled.

There are three main factors required for the infection cycle to take hold in OSR:

- Presence of sclerotinia fungal resting bodies (Sclerotia) in the soil which germinate when soils are moist and >10°C
- Favourable weather conditions, long periods (>23hrs) of relative humidity >80% and air temperatures >7°C (day and night)

- Crops to be in flower, providing spores with external nutrients needed for germination.

Traditional management of Sclerotinia involves monitoring crop and weather conditions, as well as fungicide strategies, managing susceptible weeds and crop rotation. Timing is key as existing chemical controls are protective not curative! Once you see the infection it is too late and identifying presence of the disease can be done based on the scoring system shown below.

Most sprays offer approximately three weeks control; therefore, two sprays are often required to cover most of the flowering period. (Although flowering can last circa 8 weeks.) Fungicide efficacy may be limited as new flowers will form during the flowering period that will not be protected by previous applications.

Pioneer's latest winter oilseed rape hybrid, PT303, has a unique native multi-genic sclerotinia tolerance trait. PT303 is the highest ranked AHDB candidate for gross output yield in all three regions. It also has additional proven TuYV resistance, multi-genic and Rlm7 based Phoma resistance (7), and broad-based light leafspot resistance (6). By sowing PT303 in 2021 growers can incorporate a level of tolerance to sclerotinia for the first time into their crop management planning.



Main stem completely dry. Dead plant.



Disease lesions encircle the main stem completely, but areas of stem remain green.



Small lesions on main stem.

Score	Descriptions of the symptoms
1	Main stem completely dry. Dead plant.
2	Disease lesions encircle the main stem completely. Weak plant.
3	Disease lesions encircle the main stem completely, but areas of stem remain green.
4	50% of the main stem encircled by disease lesions.
5	Very large lesions (>30mm) on main stem.
6	Big lesions on main stem.
7	Medium size lesions on main stem (~30mm).
8	Small lesions on main stem.
9	No symptoms.

# Dow Shield<sup>®</sup> 400 on sugar beet.

Sugar beet establishes slowly and can be easily outcompeted by weeds, especially those tall weeds with a high biomass such as thistles and volunteer potatoes. These key weeds grow high above the canopy and will compete with the crop for light and nutrients.

If there is a simple broad-leaved weed problem, the addition of 0.25L/ha of Dow Shield<sup>®</sup> 400 to the mix will boost the performance, i.e. broaden the spectrum and activity of the whole mix.

It has been demonstrated that only 5 potato volunteers per metre square can result in a yield loss of up to 16.5tonnes/ hectare (circa £335/ha loss) and in addition they will be a source of potato blight and potato cyst nematode.

Control of these volunteer potatoes is therefore important, not just for the sugar beet crop but also for surrounding potato crops and the rotation. Dow Shield ideally applied in sequence of 2 x 0.25L/ha with about a 7-day gap is the go to strategy for the control of volunteer potatoes in sugar beet.



From similar studies, it is acknowledged that only one thistle (a tall weed) per metre square can impact yields by as much as 11%.

Dow Shield contains clopyralid and is very active against Compositae weeds, such as thistles. Ideally a programmed approach of 0.25L/ha, which knocks out apical dominance stimulating fresh growth from the thistle in response, followed by 0.5L/ha which will finally kill the weed. If only one spray opportunity is planned, then a single application at 0.5L/ha is the route to go.

The recently communicated new sugar beet contracts offer a competitive support package for each and every grower that it is hoped will lay stronger foundations for a sustainable homegrown sugar industry, meaning sugar beet growers can now focus on getting as much tonnage off their fields as possible.

## Dow Shield<sup>®</sup> 400

HERBICIDE



## WIN THIS FANTASTIC FARM BUNDLE.

We're giving away 20 prize packs containing a professional use grease gun, measuring jug and protective gloves.

Enter now at:  
[corteva.co.uk/dowshield400](http://corteva.co.uk/dowshield400)

Competition closes 30.06.21. Visit website for full T&Cs.

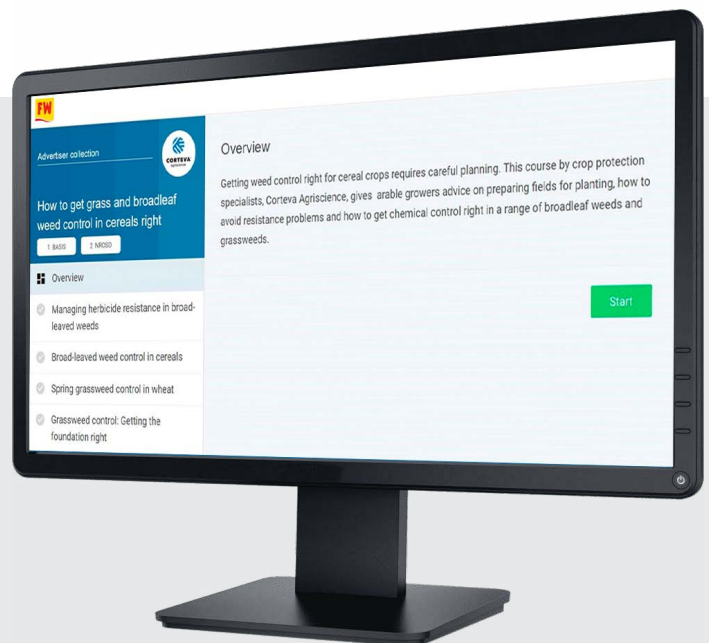
# Learn with Corteva.

We're pleased to be partnering with Farmers Weekly's new Learning Centre – the newest way to improve your career prospects and agricultural knowledge through online courses.

Earn 1 BASIS point and 2 NRoSO points with our short online course: **How to get grass and broadleaf weed control in cereals right.**

The course covers:

- **Managing herbicide resistance in broad-leaved weeds**
- **Broad-leaved weed control in cereals**
- **Spring grassweed control in wheat**
- **Grassweed control: Getting the foundation right.**



## Get started now!

To take Corteva's course, simply visit:  
[fwi.co.uk/corteva-weed-control](http://fwi.co.uk/corteva-weed-control)



### Subscribing to Corteva Agriscience™ Arable Update gives eligibility for 2 Crop Protection BASIS points annually.

Please include course name '**Arable Update**' and number '**CP/100738/2021/g**' on your training record and send to: [cpd@basis-reg.co.uk](mailto:cpd@basis-reg.co.uk). These details apply until 31 May 2021.

## We're here to help you. Corteva's Technical Services Team



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**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.**

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