

Arable Update

MARCH 2021

In this edition

- **NEW PT303 breakthrough OSR with sclerotinia tolerance trait**
- **Zypar - new extended use on winter oats**
- **Managing powdery mildew**
- **Register for your BASIS points**

Yield topping oilseed rape hybrid demonstrates breakthrough sclerotinia tolerance trait.

The first ever winter oilseed rape variety with a claim for tolerance to the stem disease sclerotinia has been launched by Pioneer®, the seed brand of Corteva Agriscience™.

Hybrid **PT303** Protector Sclerotinia has gained National Listing and the results from the independent AHDB Candidate List trials have been published. UK farmers are now able to order seed for sowing in autumn 2021.

The sclerotinia tolerance trait of PT303 fulfils the need of UK growers, with the variety delivering the highest gross output yields in each AHDB region – including a UK region gross output yield of 111%.

It was ranked first with a gross output yield of 116% in the east/west region and also topped the north region with a yield of 105%.

PT303 also delivers Turnip Yellows Virus and RLM7-based phoma resistance.

Pioneer describes the breakthrough development of the first variety to help farmers manage sclerotinia as a “major milestone” in plant breeding history.

In Corteva trials with sclerotinia infection levels at 25% or above, the severity of the disease was reduced by up to 75%. Trials also showed that the higher the severity of disease, the higher the benefit from the trait.

Corteva Agriscience’s Seeds and Inoculants Sales Manager Andy Stainthorpe said: “PT303 Protector Sclerotinia gives farmers the ability to reduce the incidence of disease and manage their crop protection applications with greater flexibility and assurance.

“With environmental effects such as global warming, sclerotinia is becoming a bigger burden for farmers during increasingly humid and wet weather.

As domestic agricultural policy evolves and farm businesses pursue a more efficient, productive future, PT303’s potential to limit the development of sclerotinia could be a significant component of disease control strategies.

Sclerotinia only strikes every so often, but when it does it is hugely damaging to yield.

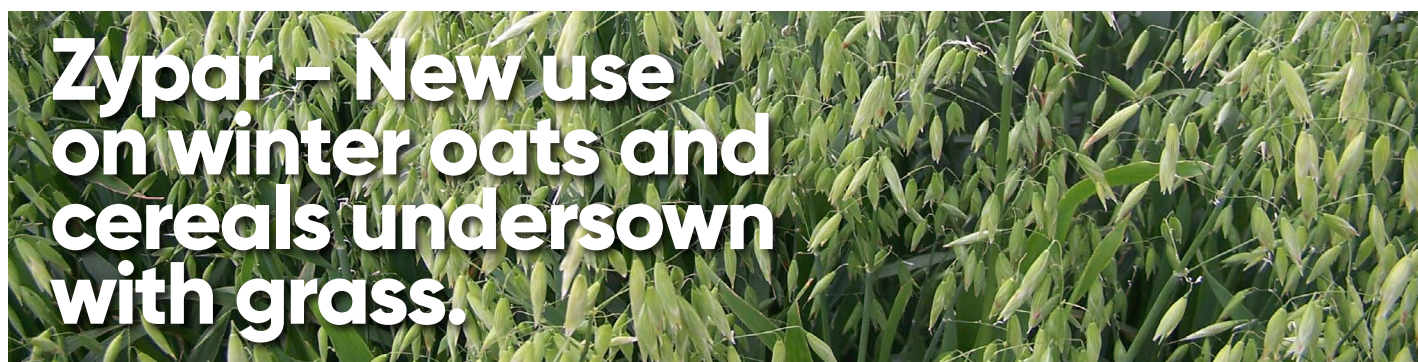
Having identified a genetic source of sclerotinia tolerance, Pioneer breeders have spent over a decade crossing that source into our regular hybrids through traditional breeding.



No products have previously offered any level of resistance to sclerotinia but with PT303, we now have a variety that has tolerance – a major milestone in our industry.”

PT303 scores six for light leaf spot resistance and seven for stem canker in AHDB trials, and has proven Turnip Yellows Virus resistance, adding an extra layer of protection for growers.

Data showing how PT303 compares with other varieties can be found via AHDB [here](#) or check out the PT303 video here: <https://youtu.be/oinnP6SYVG8>



The **Zypar**[®] label has been extended to allow use on winter oats, and on cereals undersown with grass.

Zypar can be used on winter oats at a rate of 0.5 L/ha. Zypar, which contains Arylex™ active works well at low and fluctuating temperatures giving good control of poppy, including ALS-resistant populations. It is also robust on cleavers, cranesbill, chickweed, mayweed, fat hen, fumitory and charlock. In winter oats Zypar can be applied up to 31st May, up to and including growth stage 32 of the crop.

Zypar can also be used on wheat, barley, winter oats, rye, durum wheat, spelt and winter triticale crops undersown with grass. The use rate in cereals undersown with grass is 1 L/ha, except for winter oats, where the rate is 0.5 L/ha. Applications should be made when grasses have started to tiller (GS21), and when weeds are actively growing. Do not apply to crops undersown with clover.

Zypar[®]
Arylex™ active

HERBICIDE

Zypar[®] wins against weeds, and you could be a winner of one of our great gilets! Enter now for **FREE** at: corteva.co.uk/zypar

Competition runs until 30 May 2021. See website for full T&Cs.

Managing powdery mildew.

Overall, winter cereal crops have overwintered very well, with reasonable canopies. The very cold weather in early February did slow disease progression, but recent exceptionally warm, breezy and humid conditions has favoured powdery mildew spore dispersal and disease development. Take action now to examine crops and plan in specific mildew treatments where appropriate.



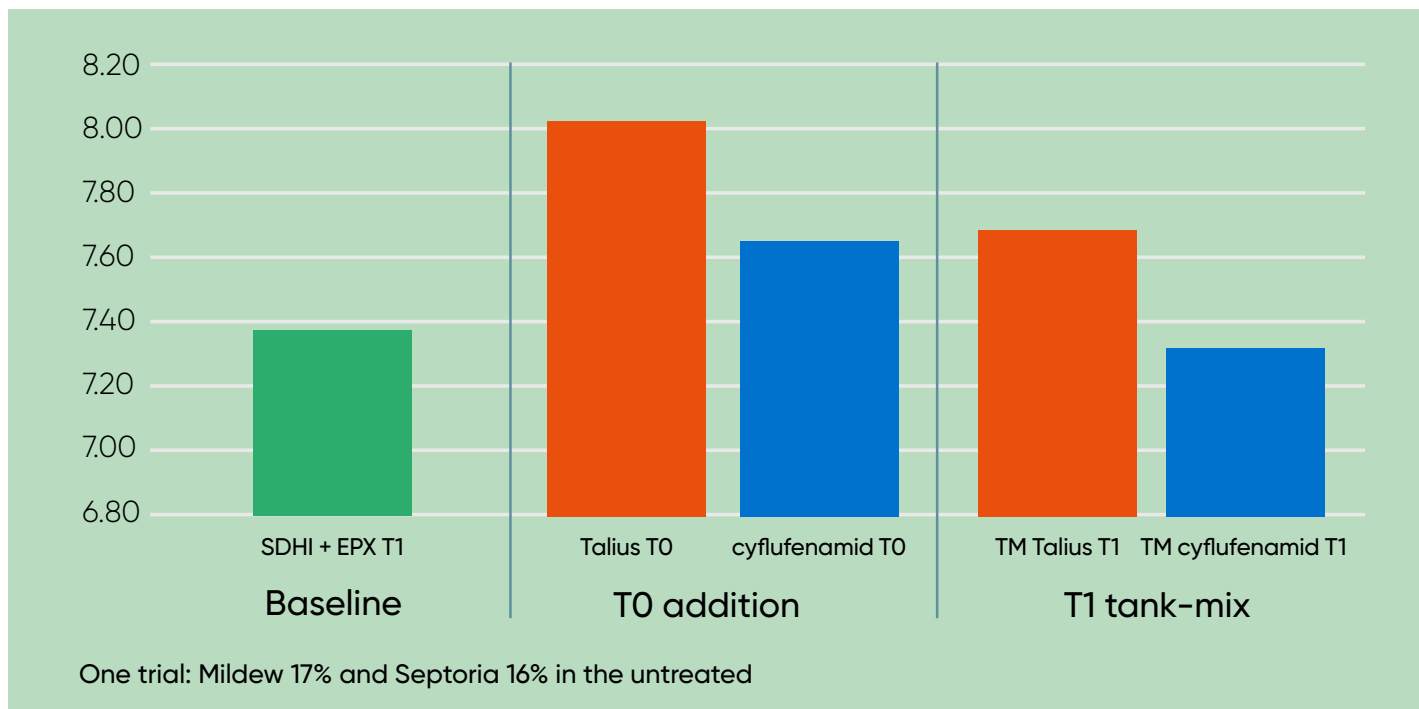
The most cost-effective way to manage powdery mildew is to apply a specific mildewicide at the T0/T1 fungicide timing rather than allow the disease to progress impacting on tiller number and grain site initiation.

Talium[®] applied at 0.125 L/ha is the ideal mildewicide to use at the T0/T1 fungicide timing providing:

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

Talium[®]
FUNGICIDE

Yield benefits of Talius or cyflamid used as T0 pre-spray or T1 tank mix partner.



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. These details apply until 31 May 2021.

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



Georgina Clayton



Nicola Perry

For technical advice and support, contact the technical hotline or your local Corteva Area Manager.

Technical hotline: **0800 689 8899** Email: ukhotline@corteva.com

Orders: custserv@corteva.com General enquiries: 01462 457272

Email: CortevaUK@corteva.com You can also visit our website for additional contact numbers. Follow us on [Facebook](#) and [Twitter](#) or search for @CortevaUK on social media.



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 UK Limited, CPC2 Capital Park, Fulbourn, Cambridge CB21 5XE. Tel: 01462 457272.
®, ™ Trademarks of Corteva Agriscience and its affiliated companies. All other brand names are trademarks of other manufacturers for which proprietary rights may exist. All manufacturers tradenames and trademarks are duly acknowledged.
© 2021 Corteva. Zypar® contains halauxifen-methyl (Arylex™ active) and florasulam.
Talium® contains proquinazid.