

LIFE IN LIFE SCIENTIFIC...

Welcome to the May edition of the Life Scientific Newsletter.

Here at Life Scientific, we like to make information on our products, developments, and scientific innovation as accessible as possible.

As part of this open approach, we have become a member of FarmPEP.net.

FarmPEP has been co-designed by an industry wide partnership, supported by Innovate UK and ADAS.

The initiative is described on the ADAS website as: "a new knowledge exchange platform that is open to all. The aim is to connect across agriculture and support farm centric knowledge generation"

FarmPEP is for all agricultural stakeholders: farmers, agricultural advisors, researchers, industry and knowledge exchange practitioners. Anyone is able to join the community and share. There are topics that all organisations, initiatives and resources can connect to. 'Wikipedia' style summaries create an easy way to transfer knowledge focused around a theme.

FarmPEP encourages knowledge sharing on all aspects of agriculture, with a focus on active projects, farm-led innovation, and research. The aim is to connect content, rather than duplicating what already exists, via summaries and signposting to external websites. Users can share commercial content, products and services, as long as it is clearly marked as such."

The FarmPEP website can be found at: <https://adas.co.uk/services/farm-pep/>



Life Scientific Ltd

We create effective and affordable plant protection products that deliver identical quality and safety.

life scientific 

Website: <http://www.lifescientific.com/>

Twitter: https://twitter.com/_LifeScientific

At Life Scientific, we specialise in the development and registration of crop protection products. All of our R&D is carried out at our facilities in Belfield Office Park, adjacent to the UCD campus in Dublin.

Our goal is to be the most successful crop protection innovator ever. Everything we do supports this goal, scientifically and commercially. Our company culture is based on shared leadership and coupling responsibility to expertise; creating a flexible, collaborative environment for a uniquely rewarding and enjoyable work experience.

Our fully integrated R&D team of laboratory and regulatory scientists work seamlessly together to ensure the best possible outcomes in the shortest possible timeframes. Our Supply Chain team manage a virtual, global supply chain, sourcing active ingredients from China and outsourcing manufacturing to toll manufacturing partners in Europe from where finished product is delivered direct to our distributor and co-operative customers in key EU markets.

Together with our partner InVivo, Europe's largest co-operative umbrella group, we are expanding our R&D team to support our global growth. This will include developing product portfolios for new European markets and for North and South America.

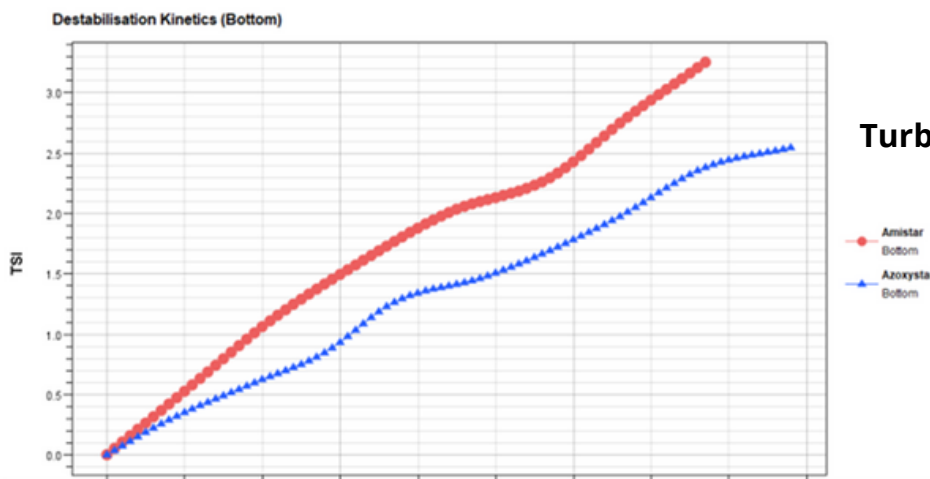
Core to our success is recruiting the right people who will thrive in our culture, enabling company performance while also achieving their personal career development goals.

AZOXYSTAR – NOT JUST ANOTHER GENERIC

Reverse-engineered products from Life Scientific are made to be identical to the proprietary brand, and we are always looking for ways to show this in the field, either in efficacy trials or in other practical ways.

We were recently contacted by a grower who uses a high nitrate source of water from a borehole. Whilst Amistar has always sprayed well for him, some generic azoxystrobin formulations have allegedly caused blockages in his sprayer.

To prove the quality of our product, we tested AZOXYSTAR and Amistar in our Dublin laboratory using the farmer's water. Neither product left any residue in a wet sieve test (as done in physical tank-mix work). The scientists also used equipment called a Turbiscan which predicts the behaviour of the product in solution over time, the higher the line the less predicted sedimentation. Again, both performed well, with AZOXYSTAR giving less predicted sedimentation than Amistar.



Turbiscan results

AZOXYSTAR

IN-FURROW USE IN POTATOES

AZOXYSTAR is approved at 3.0L/Ha at planting in the furrow in potatoes to reduce the severity of Stem Canker, Black Scurf and Black Dot (see label for details).

To support the label extension for AZOXYSTAR in potatoes at planting, Life Scientific worked with Team Sprayers (<https://www.team-sprayers.com>) and Techneat Engineering (<http://www.techneatengineering.co.uk>) to confirm the application performance of the product through direct injection applicators.

The work showed that AZOXYSTAR had identical throughput to Amistar at 3 to 5 bar, from 50 to 150L/Ha, using different nozzles to suit the varying forward speed of different potato planters.

They also found that AZOXYSTAR is easily cleaned from the system by standard washing procedures.



This practical work was supported by 10 replicated field trials conducted in the UK and Northern France, which showed no significant differences in disease reduction levels between AZOXYSTAR and Amistar.

DON'T FORGET BEANS

With disease levels in Field Beans being a worry this year, don't forget that Azoxystar can be used twice at 1.0L/Ha between BBCH 60 and 69 to control Rust.

DISEASE CONTROL IN CEREALS

The choice of fungicide partners for T1 is proving especially challenging this year as April weather made timely T0 applications difficult in many areas.

ESKER and ORASO PRO, which both contain tebuconazole and prothioconazole, can help in your cereal fungicide programmes.

Both products are approved in wheat, barley, oats and Winter rye.

Tebuconazole has proven activity against Yellow and Brown rust, and prothioconazole has good activity against a range of the key cereal diseases. The combination of the two active ingredients makes an ideal tank-mix partner, covering a wide range of diseases including Yellow rust, Powdery mildew, Septoria, ear diseases and Eyespot in wheat, Powdery mildew, rusts, Net blotch, Rhynchosporium, ear diseases and Eyespot in barley, Powdery mildew, Brown rust, Rhynchosporium in rye, and Crown rust, Powdery mildew and Eyespot in oats.

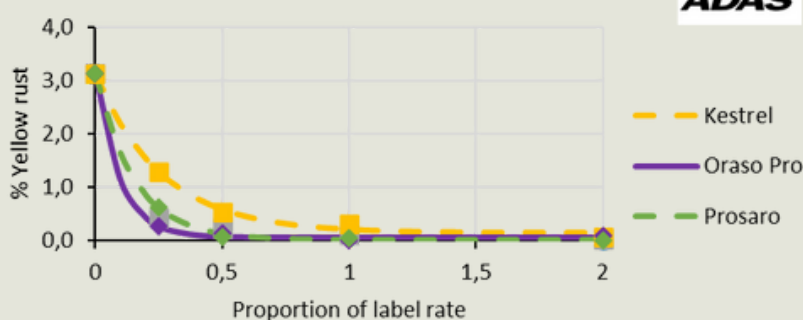
To show the comparability of ORASO PRO with Prosaro, the reference product from which ORASO PRO was reverse-engineered, a trial was conducted by ADAS to demonstrate activity against Yellow Rust in wheat. Kestrel was also included in the trial.

The results confirmed that ORASO PRO was at least as effective as the standards in the trial, giving excellent control of Yellow Rust.

The active ingredients in ORASO PRO and ESKER are absorbed quickly into the leaf and translocated within the plant.

Ongoing work at Life Scientific is investigating how formulation can help penetration and movement within the plant and we are trialling a unique optimised cereal fungicide solution this year in the UK, which we hope to launch in 2024.

Curve fit – Yellow Rust
Combination of leaves 1 & 2, 31st May



For more information about Life Scientific and our products. Please see contact methods below.

Ruth.Stanley@lifescientific.com 07857 483 193
Freephone UK telephone number 0800 044 5025

ORASO PRO, ESKER, BASILICO and AZOXYSTAR are registered trademarks of Life Scientific. ORASO PRO and ESKER contain prothioconazole and tebuconazole. AZOXYSTAR contains azoxystrobin BASILICO contain mesotrione.

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

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