

AgriCare

DuPont™ Justice® fungicide – Prevent mildew and build yield

Justice® continues to be the UK's leading mildewicide because it acts on mildew in a variety of ways:

Local systemic and translaminar movement

Ensures complete and even coverage of all sprayed tissue.

Vapour activity

Allows tissue not present at the time of application to be protected by Justice®.

Inhibiting mildew spore germination

Spores that land on a Justice® treated leaf typically fail to germinate.

Prevention of appressoria formation

Without an appressorium the mildew cannot penetrate the leaf. Without penetration, there is no infection.

Reduction in spore viability

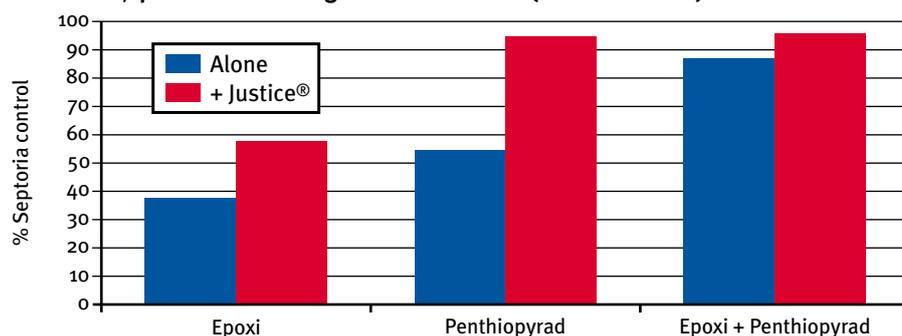
Spores from existing mildew infections are effectively sterilized by Justice®. Those not sterilized will be landing on treated tissue with the effects highlighted above.

Inducing host defence mechanisms within the plant

Justice® acts as an elicitor by stimulating the plants own defence mechanisms. These defence mechanisms are responsible for broad spectrum defence against disease and as well as mildew control, Justice® can be demonstrated to improve the control of Septoria as part of a programme. This is demonstrated in the work below:

Septoria control boost by Justice®

Based on 1/4th rates of use in glasshouse studies (Mean 2 studies)



Bad infestations of powdery mildew are noted to cause up to 20% yield loss

AgriCare

Yield benefit adding Justice® to a base programme

56 trials 2005-2015



An important feature of Justice® is that when added to a fungicide programme there is a yield response – even in the absence of mildew. This is true of all fungicide programmes including those based on new generation SDHI chemistry. This yield benefit is because Justice® not only controls mildew but has an impact on the control of other diseases too.

This yield boost to a standard fungicide programme has been shown to result in an average yield

response of 2.4% where Justice® has been added. Taking 8.6T/ha as an average wheat yield, this would mean a yield response of 0.21T/ha. This is worth £23/ha @ £110/T which is more than twice the cost of the Justice® resulting in an average 2:1 return on investment.

With low commodity prices currently this boost in yield and profitability has got to be a welcome feature of any fungicide programme.

Justice®

Controls mildew

Improves yields

Adds value

For further information:

Please contact your DuPont representative or call the DuPont Technical Hotline on 01438 734450.

**Use plant protection products safely.
Always read the label and product information before use.**

Unless indicated, trademarks with ® or ™ are trademarks of DuPont or affiliates. © 2016 DuPont. All other brand names are trademarks of other manufacturers for which proprietary rights may exist. Justice® contains Proquinazid.