

Yellow rust found at Newark Innovation Centre

Innovation Centres
23.02.2017



Location – Newark Innovation Centre

Variety – Kielder

Date – 22.02.2016

Yellow rust has been spotted in susceptible winter wheat varieties.

Yellow rust forms pustules in lines giving it a stripy appearance on the leaf. Crops that are sown early are at greater risk, as fungal spores spread from the previous year's affected crops and from volunteers in late summer. Warmer winters with few frosts are conducive conditions for high rust pressure in spring as the disease overwinters more readily, resulting in higher infection in the spring. Cool, damp conditions encourage the development of the yellow rust, which we have been experiencing recently.

It is important to keep on top of yellow rust as severe infections can result in up to 50% yield loss (AHDB, 2016), ideally it is best to remain in a protectant situation. Some varieties have greater resistance than others, so it is advised that varieties with good scores on the AHDB Recommended List, such as Graham, are favoured, particularly in the higher risk locations.



Septoria is easy to find in all varieties at the Newark Innovation Centre. It is easily identifiable by the black pycnidia within the brown lesions. Due to mild temperatures this season the disease appears to have overwintered well and is present at high levels, especially in early-drilled crops.

We will be employing a robust T0 fungicide, targeting final leaf four, with Cherokee at 1.0 l/ha to keep on top of both of these diseases along with protecting the plant against other diseases.



Tom Clark
Trialist
Newark Innovation Centre



Tags:

Yellow Rust
Septoria tritici
Winter wheat