



Issued: 29/8/2019



IN BRIEF

- **Increasing incidence of rust and cercospora is being found.**
- **Powdery and downy mildew are also present in some crops.**
- **Depending on rain and locality, disease is very patchy.**
- **Check each crop carefully for foliar disease but timely fungicide protection is key to protect canopies.**
- **Patches of wilting and yellowing within fields may be related to BCN**
- **Incidences of virus yellows currently reported to be at a low level**
- **BBRO Demo Farms – book now**



ADVISORY

Foliar Disease

Now is a critical period to assess individual crops for symptoms of disease, especially if you have not applied a fungicide yet. BBRO data shows that to optimise protection against foliage disease, second fungicides should be applied within a 21 -28 days spray interval of the first application. By doing so you will improve canopy health which will be key to both maintaining yield production in later harvested crops and providing frost protection. Know what disease(s) are in your crop to select the best fungicide options. Details on diseases and fungicide options can be found in the 2019 BBRO Reference Book <https://bbro.co.uk/publications/reference-book/>.

Always follow label recommendations for applying products at the correct growth stage. Ensure water volume recommendations are adhered to and are not cut back. Many products recommend that a higher water volume is used in crops with dense canopies to get better penetration and coverage.

Plant Clinic

A number of plant clinic samples have been received this week relating to cercospora, rust, downy and powdery mildew.

Cercospora - We don't have consistent information of varietal susceptibility to cercospora but differences were observed last season so check different varieties carefully for this disease. Key symptoms of initial leaf infection to watch out for: regular circular spots with necrotic, tan-grey centres and reddish-brown borders. If the disease develops unchecked, these spots can coalesce into larger brown necrotic areas on the leaf.



Rust and powdery mildew - In many cases signs of more than one disease can be found with both rust and powdery mildew present. Early application of fungicides is essential for controlling disease spread.



BCN - We have also a range of other problems arriving at the Plant Clinic. Patches of yellowing and wilting have been associated with BCN and free-living nematodes. Female BCN cysts can be seen on the roots. Make use of your aphid magnifier by checking a few roots for BCN infection or use the magnification available on a camera to detect any presence. Yellowing has also been associated with magnesium deficiency in some cases. This will be a legacy of the earlier hot and dry conditions in most instance will be alleviated by rain. In fields where this persists or is slow to recover, foliar treatment may assist.



In the majority of crops, there does **not** appear to be progressive or widespread yellowing due to virus infection. This is despite some very high aphid number earlier in the season. We are continuing to monitor this situation.



EVENTS

Join us at one of our forthcoming Demo Farms to see the latest developments from our research, news on viruses, nutrition including bio-stimulants and nitrogen placement and how to squeeze more yield from harvesting. <https://bbro.co.uk/events/>

11th Sept 8:30 – 11:00 Bury Growers, Thelveton Estate
11th Sept 14:00 – 16:00 Cantley Growers, Thelveton Estate
26th Sept 8:30 – 11:30 Wissington Growers, West Walton



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