SY KESTREL The only BYDV resistant barley variety

BYDV - Barley Yellow Dwarf Virus **WDV - Wheat Dwarf Virus**

BYDV resistance in **SY** KESTREL works in two ways:

to repel and deter aphids. Antibiosis negatively impacts the aphids ability to grow, reproduce and of their feeding.

> Together, these traits provide strong protection against aphid infestation and virus transmission.

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- **Antixenosis** is the plants natural ability
- survive by disrupting the effectiveness



BYDV vector: Bird Cherry Oat Aphid Rhopalosiphum padi



BYDV vector: Grain aphid Sitobion avenae

WDV vector:

Leafhopper Psammotettix alienus

Collaborative research between the University of Nottingham and Syngenta has revealed a dual mode resistance mechanism in the barley variety **SY KESTREL**

Rumiana Ray University of Nottingham





SY KESTREL at a glance

- The UK's first **BYDV resistant** winter barley
- WDV Tolerant
- Excellent resistance to disease & lodging
- Early to mature





