

AMISTAR

Winter Barley



SEEDING
THE FUTURE
SINCE 1856



BYDV tolerant winter barley

- French bred six-row feed
- Very early maturing and high specific weight
- Good lodging and brackling resistance

Amistar has tolerance to Barley Yellow Dwarf Virus (BYDV) and has continued to impress with good performance since it first entered UK trials in 2016/17. It is very early to move in the spring and is early maturing.

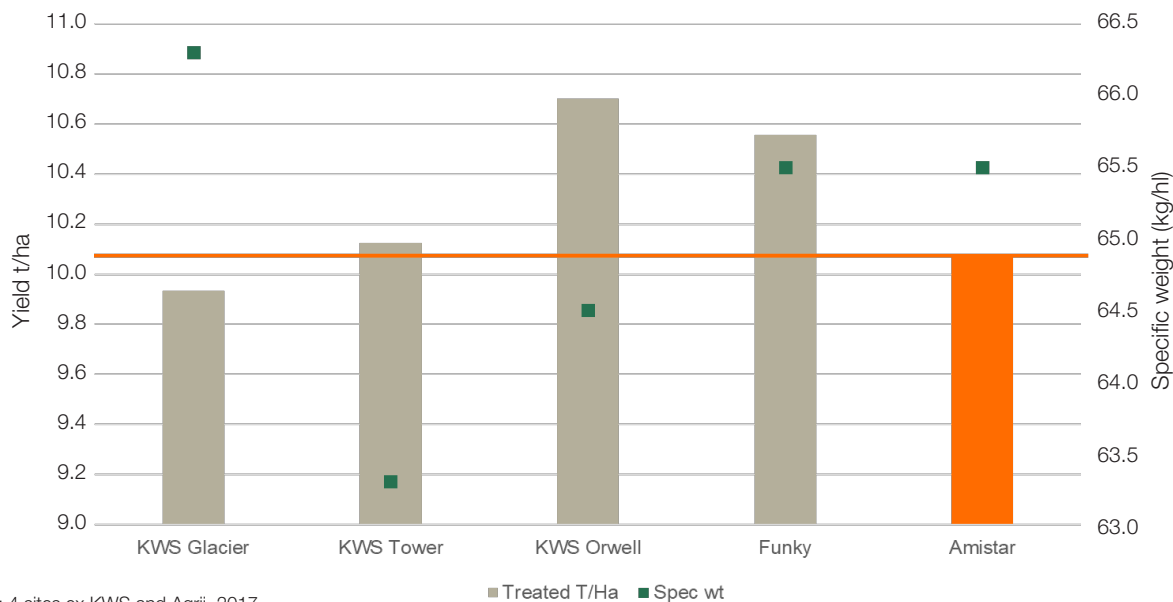
In trials without BYDV pressure, Amistar yielded similarly to KWS Cassia and KWS Tower (ca 100% controls) and had a specific weight akin to that of KWS Cassia.

But it's in fields with high BYDV pressure where Amistar really proves its worth. In Cambridgeshire trials during the contrasting seasons of 2017 & 2018, average yield losses varied between just 0.4-5% for Amistar, compared with a 6-19% loss when using susceptible varieties.

	Amistar	Funky*	KWS Glacier*
Disease			
Powdery mildew	4	5	4
Rhynchosporium	6	7	4
Net Blotch	5	5	7
Agronomy and Quality			
Spring movement (1 = early)	4	4	6
Maturity (days +/- KWS Orwell)	-2	-1	0
Resistance to lodging (1-9)	8	6	8
Height (1-9)	5	5	4.5
Sp.Wt (1-9)	7	7	7
BYMV	R	R	R

Data sources: KWS Trials 2017 and Funky* & KWS Glacier* AHDB RL Winter Barley 2019/20

Yield Performance - no BYDV infection



Data source: 4 sites ex KWS and Agrii, 2017

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KWS



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The BYDV tolerance, found in Amistar, was discovered in several Ethiopian spring barley accessions in 1950's. These genetics offer true "tolerance", the BYDV virus grows and multiplies in the plant just as in a susceptible line, but there will be no (or very little) effect on plant growth and yield, some yellowing may be seen.

Aphid control will be required in:

- High risk sites and seasons
- Aphid numbers are likely to create significant 2nd generation wingless offspring
- Late season aphid numbers are likely to create a significant 3rd generation of winged offspring.

Amistar offers an option to reduce insecticidal inputs in some situations. The variety can be used as a risk reduction tool for aphid prone areas such as headlands, beside margins or difficult areas to apply such as water courses.

Amistar offers growers the opportunity to drill earlier or continue with traditional September sowing by mitigating risk.

For more information on BYDV see <https://cereals.ahdb.org.uk/BYDV>



KWS nursery 2017

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