

Hybrid Barley Grass Weed Suppression

Hybrid vigour uniquely powers hybrid barley grass weed suppression



Hybrid vigour (heterosis) is the phenomenon where the offspring of two genetically different parents exhibit enhanced traits when compared to the parents. Trials over numerous years have demonstrated that hybrid barley is significantly more competitive than conventional barley and wheat.

Hybrid barley varieties are different to conventional varieties:



- Taller varieties with larger flag leaves
- A more complex and dense plant architecture with enhanced tillering capacity
- Superior rooting system means competition extends under ground
- Exceptional early spring growth

Hybrid barley grass weed suppression is a significant benefit on farm. Syngenta trials have demonstrated the enhanced competitive ability of hybrid varieties against black-grass, ryegrass and brome. High levels of crop competition from hybrid barley mean:

- Fewer grass weed plants
- Fewer tillers on remaining grass weeds
- Smaller ears
- Lower seed return for successive crops

Hybrid barley grass weed suppression has been independently scientifically proven to be the best!

The most effective crop for reducing seed return... was hybrid barley... in the hybrid barley [black-grass] heads m², heads per plant and seed heads were all reduced compared to 2-row winter barley and wheat

Source: Cook & Roche (2018) Enhancing the competitive ability of hybrid barley for the control of black-grass (*Alopecurus myosuroides*) in the UK, *Aspects of Applied Biology* 141, 47-55.



To register your interest in our hybrid barley varieties scan the QR Code

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Black-grass head size



Hyvido Hybrid Barley

Conventional barley

Hybrid: smaller immature black-grass heads vs conventional barley drives reduced seed return following crops of hybrid barley.



The benefit of hybrid barley grass weed suppression could be worth more than £50/ha.

Farmers looking for enhanced crop competition as a crucial part of any IPM grass weed management strategy can choose hybrid barley with confidence.