



Weed Management

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TOP PERFORMING DEKALB GENETICS MAKE THE MOST OF THE LATEST HERBICIDE TECHNOLOGY

With The Clearfield system you can minimise your establishment risk from sulfonylurea residues, control a broad range of cruciferous weeds and reduce the risk of erucic acid contamination.

DEKALB hybrids allow you to make the most of the Clearfield® production system.

- Control charlock, runch, hedge mustard and a broad range of cruciferous and other problem weeds.
- Protect double low oil quality from problem weeds and HEAR volunteers.
- Avoid the need for any herbicide until the crop is well established and the weed burden clear.
- Minimise any crop establishment risk from sulfonylurea residues after cereals.



Higher performance varieties and the opportunities the system offers to reduce winter OSR establishment, management and marketing risks is driving a dramatic increase in Clearfield OSR production.

The latest market intelligence shows the area sown to Clearfield varieties – which carry conventionally-bred resistance to the herbicide imazamox – expanding by almost a half across the UK in the past year.

It also shows our varieties commanding the lion's share of this fast-growing market for their combination of the trait with other important yield-protecting and management-improving solutions plus leading levels of output.

The Clearfield system gives unrivalled control of difficult-to-manage cruciferous weeds like charlock and hedge mustard, OSR volunteers from crops grown 15 years or more before and a wide range of other broad-leaved weeds.



This enables their control to be delayed until crops have safely developed to 2-4 true leaves. It also avoids risking the setbacks to establishment that can be caused either by pre-emergence herbicide applications or sulfonylurea herbicide residues from preceding cereals.

Complete control of non-Clearfield volunteers means only growing what is sown too, rather than mixed populations that can easily be far in excess of the sowing rate. That way fungicide and PGR programmes can be more effectively matched to the variety needs, achieving the most production canopies is less challenging and desiccation timing can be more precise.

Controlling any volunteers from previous HEAR crops as well as cruciferous weeds (which produce seed with relatively high levels of erucic acid) is a further advantage in reducing the risk of the crop marketing problems and penalties for rapeseed contamination that have become apparent in recent years.

The particular progress we've made in our breeding has been recognised in the results of the first major independent trials assessing the performance of Clearfield OSR undertaken in 2016.

All three of our Clearfield varieties included in the trial out-performed the other six competitor varieties tested across the three sites with average gross outputs of 106% or more of the very reasonable 3.54 t/ha trial conducted in a difficult OSR year.

As well as their market-leading performance potential, our Clearfield varieties stand out for carrying a range of other valuable genetic solutions. These include vigorous establishment ability, double phoma and **good light leaf spot resistance** and, most importantly, **pod shatter resistance**.

We consider pod shatter resistance a vital trait of the Clearfield varieties. Effective volunteer control brings huge management benefits. But it's a once-only reset. Clearfield volunteers in future Clearfield crops can be as much of a problem as volunteers have always been.

The marked reduction in seed shedding pod shatter resistance gives in the run up to and at harvest makes a major contribution to reducing future Clearfield volunteers.

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Weed Management varieties dekalb recommends!

DK IMAGIS CL DEKALB's highest output clearfield variety. [Learn More](#)

DK IMPERIAL CL The Benchmark Clearfield Variety. [Learn More](#)

DK IMPRESSION CL A combination of Clearfield herbicide tolerance and DEKALB's pod shatter resistance. [Learn More](#)

DK IMPRESARIO CL A robust combination of Clearfield herbicide tolerance and DEKALB's yield protecting traits. [Learn More](#)



