

DUPLO

Autumn Seed

Profile

DUPLO is one of DSV's flagship triple-layer varieties, combining top yields with three important traits from DSV. Just added to the AHDB Candidate List, DUPLO has been fast tracked to the UK market due to its exceptional vigour. DUPLO having highest vigour of any of DSV's Triple Layered varieties in both autumn and spring. DUPLO has performed well all across Europe and the whole of the UK in all conditions, proving it is a very robust variety.

DUPLO is our breeders pick for growing in all conditions, features of particular note are its outstanding autumn vigour and DSV triple-layer protection of Turnip Yellow Virus (TuYV) resistance, pod shatter resistance, and RLM 7+ multigene resistance to phoma stem canker. DUPLO is part of the next generation of DSV varieties, which offer unique three-way disease protection and thus stability of accompanying yields.

DUPLO performed exceptionally well in DSV's new non-inversion tillage trials which include no till. This proves that plants are optimised for strong establishment, exceptional performance and consistent gross output delivery in reduced cultivation systems. DUPLO is also the first variety which DSV have launched with our new improved N-efficiency, bred to ensure growers get the highest possible response to Nitrogen fertilisers so every kg applied works as hard as possible to produce yield with minimum waste.

Developed as a direct result of the Neonicotinoid ban and the need to move towards less intensive and more environmentally friendly production methods, DSV Triple Layered oilseed rape takes as much of the guesswork out of growing the crop as possible.

- ✓ Breeders pick for growing in all conditions
- ✓ Outstanding autumn vigour
- ✓ DSV triple-layer protection of Turnip Yellow Virus (TuYV) resistance

Yield information

Gross Output (%)	109
Seed yield (%)	107
Oil content (%)	46.8

Assessments

Winter hardness	+ + +
Autumn vigour	+ + +
Spring vigour	+ + +

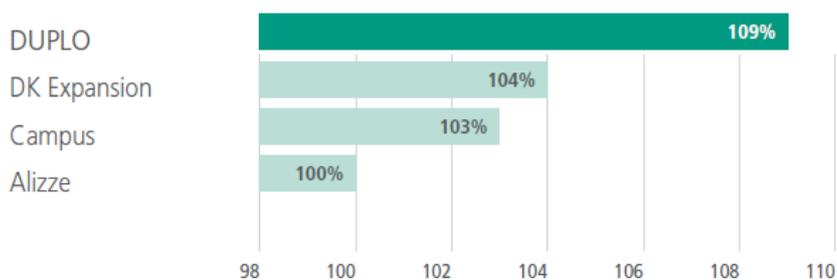
Agronomics Features

Resistance to lodging		strong to very strong
Stem Stiffness		strong to very strong
Beginning of flowering		medium
Maturity		medium to late
Resistance to light leaf spot		medium
Resistance to stem canker		very high

TuYV Resistance = R | Pod Shatter = R | Data Source: AHDB Candidate List 2021/22

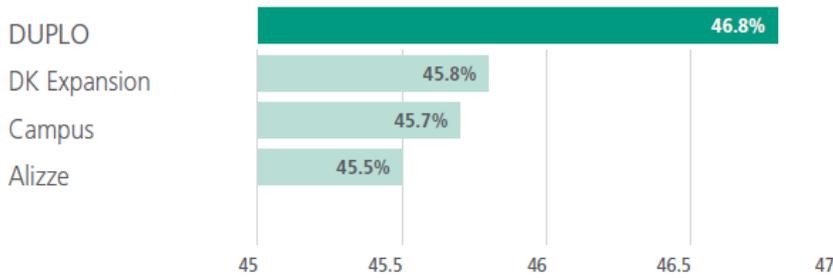


Gross Output (E/W) Source: AHDB Candidate List 2021/22



Oil Content

Source: AHDB Candidate List 2021/22



Every triple-layer variety has unique three-way disease resistance and yield protection built in making them a genuine industry first.

Layer 1: RLM7+ Disease Resistance

Multi-gene resistance to phoma stem canker and light leaf spot – the most common diseases of oilseed rape in the UK.

Layer 2: Turnip Yellow Virus Resistance

Resistance to the growing threat of TuYV now endemic across the UK and potentially reducing oil content and yields by up to 20%.

Layer 3: Pod Shatter Resistance

Minimises seed shed and loss in later stages of growth and at harvesting making it particularly useful when weather conditions are poor or in late seasons.

This unique stacking of traits is just one of the factors which allows the consistent and reliable delivery of high financial returns from DSV's innovative breeding approach, producing tough, resilient varieties for UK farmers.

With the loss of neonicotinoid seed treatment and milder autumns and winters we are seeing rising aphid numbers in crops. At least 72% of these aphids have been known to vector the TuYV virus which can reduce yields by up to 20%. Tests this winter have demonstrated that high levels of the virus were apparent in many oilseed

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