



PIONEER®

MADE TO GROW™

2025

HYBRID RANGE

Winter OSR



CORTEVA™
agriscience

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For further information about Pioneer Oilseed Rape hybrids,
please visit: www.corteva.co.uk/pioneer

*Pioneer hybrids detailed within contain OGU-INRA
Technology from INRA, France.*

AHDB data referenced can be found in full at www.ahdb.org.uk



Winter Oilseed Rape comparative agronomic descriptions 2025

Traits and characteristics summary		Trial Information	Oil content (%)	Lodging resistance	Stem stiffness	Autumn vigour	Height (cm)	Light Leaf Spot	Stem Canker	Protector® Sclerotinia	Verticillium Stem Stripe	Turnip Yellows Virus (TuYV)	Pod Shatter	Earliness of flowering	Earliness of maturity	Launch year	Data source
PT303	Protector® Sclerotinia, Verticillium Stem Stripe, TuYV	AHDB UK Recommended, 2024	45.7	7.9	8	6.0	157	7	6	✓	PR**	✓	-	5	5	2021	1/2/3/4
PT312	Protector® Sclerotinia, Verticillium Stem Stripe, Pod Shatter, TuYV, High Oil	UK National Listed 2023	47.6	9	8	6.0	165	5	7	✓	PR**	✓	✓:T*	4	7	2023	2/3/4
PT315	Pod Shatter, TuYV, High Oil	UK National Listed 2023	46.8	9	8	6.9	169	6	6	-	-	✓	✓:R*	6	7	2023	2/3/4

TuYV = Turnip Yellows Virus resistance

* R = Pod Shatter Resistant, T = Pod Shatter Tolerant

**PR = Partially Resistant, (Source: ADAS 2024)

Data source key: 1 = AHDB Database; 2 = Official UK Trial Results; 3 = ADAS; 4 = Pioneer Research Data

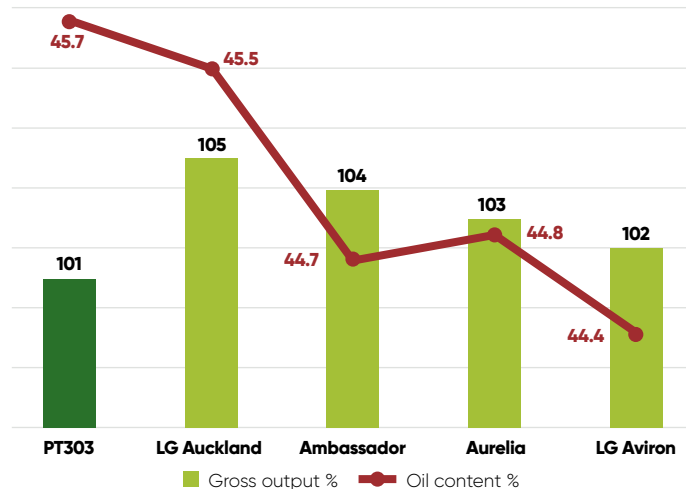
PT303, the first hybrid to be marketed with built-in tolerance to Sclerotinia, that also has partial resistance to Verticillium Stem Stripe.

- Protector Sclerotinia tolerance.
- Verticillium Stem Stripe partial resistance.
- Turnip Yellows Virus (TuYV) resistance.
- Strong autumn vigour and spring regrowth.
- Light Leaf Spot 7, Stem Canker 6.
- Resistance to late season stem-based disease.
- Later flowering – earlier maturing combination.
- Large stature with good lodging resistance and stem stiffness.



Top level gross output

Gross output and oil content of PT303 versus selected varieties from the AHDB UK Recommended List 2024

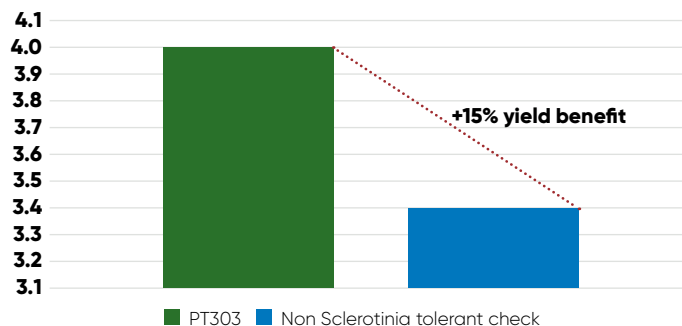


Sclerotinia tolerance

PT303 – the first hybrid to be marketed in the UK with a claim for tolerance to Sclerotinia. This yield sapping disease can reduce yields in commercial situations by up to 30%.

Significant yield loss can occur where flowering fungicide applications are missed or delayed – or just in years when Sclerotinia pressure is very high. PT303 Protector Sclerotinia can provide extra support for your crop when this unpredictable and highly damaging disease strikes.

Seed yield (t/ha)



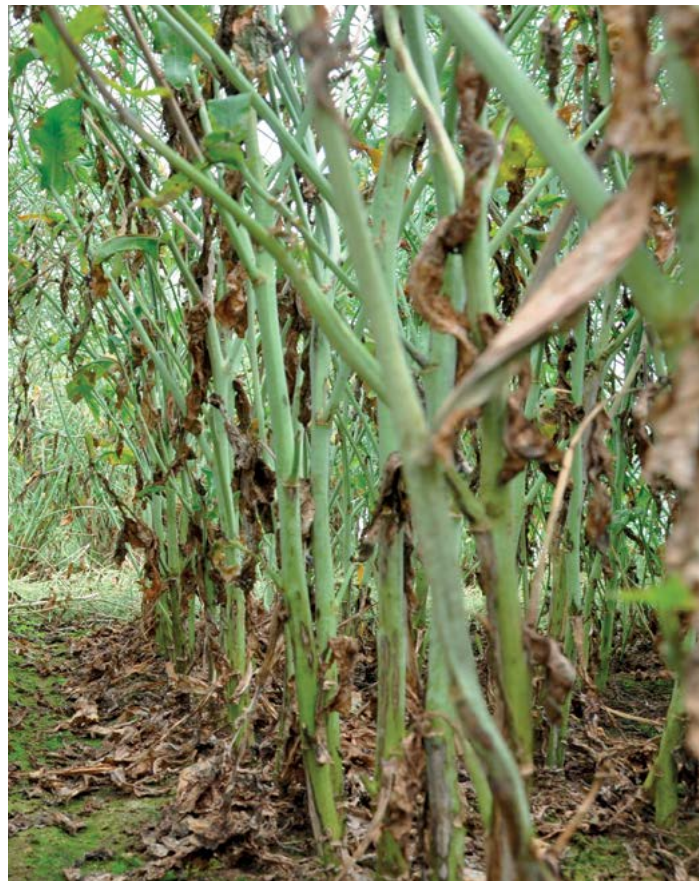
PT303 Protector Sclerotinia yielded over 15% more than the non Sclerotinia tolerant check over 6 untreated trials*. At £500/t ex farm a 0.6t increase = £270 potential advantage per Ha.

*Pioneer research trials

Non-tolerant comparator

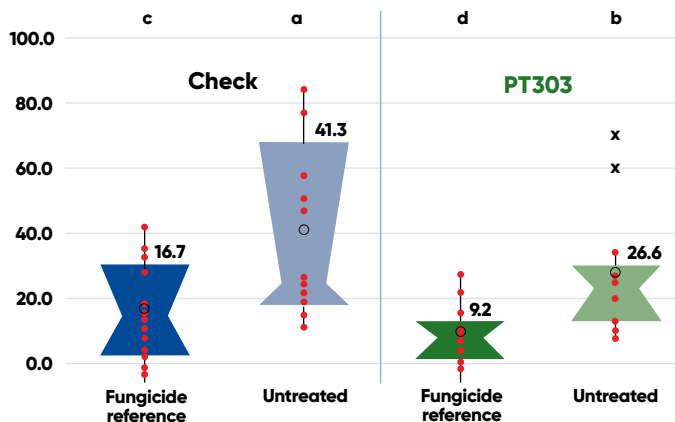


Protector Sclerotinia



Impact of incidence of Sclerotinia infection, 2019-2021

% incidence in 13 trials



Incidence = frequency of stems infected by *Sclerotinia sclerotiorum*.

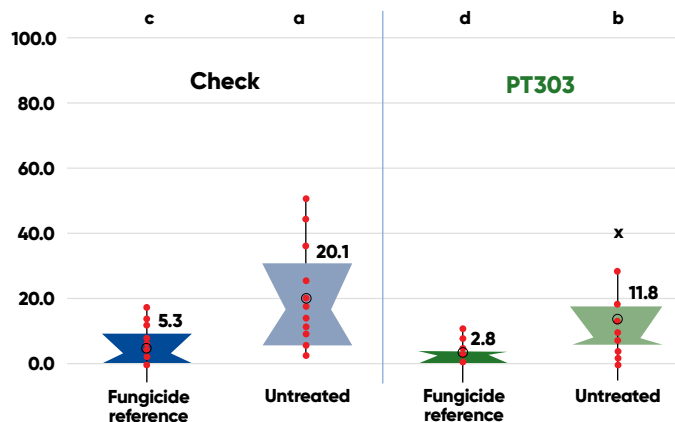
Sclerotinia Protector significantly reduced the number of infected stems.

Average reduction of 36%.

The variability of infestation of PT303 was significantly less than the check.

Severity of Sclerotinia impact, 2019-2021

% severity in 13 trials



Severity = intensity (extent) of Sclerotinia lesions.

Sclerotinia Protector significantly lowered the severity on plant stems.

Average reduction of 42%.

The reduction of the variability of lesions was very marked, even in untreated plots.

The efficacy of the fungicide treatments applied was also improved.

Verticillium Stem Stripe tolerance

ADAS tests at a UK location with a recent history of Verticillium have shown PT303 has partial resistance to Verticillium Stem Stripe. When combined with its tolerance to Sclerotinia this gives PT303 a unique potential to reduce the severity of yield robbing stem-based disease at harvest.

ADAS results at this location confirmed the ability of PT303 to quickly establish high levels of ground cover and grow rapidly in both the autumn and spring, even in a Verticillium infected site.

Verticillium stem stripe pre-harvest assessment

Variety	Verticillium incidence % of plants affected	Verticillium index (0-100 index)	Premature ripening %
PT303	62	28.0	31.2
PT312	69	33.6	32.6
PT315	81	50.8	57.7
Quartz	86	72.2	74.1
Campus	76	44.2	47.4
Flamingo	68	38.2	42.5

Source: ADAS 2024



ADAS Verticillium Stem Stripe results

Variety	Ground cover (% of area) Score 18/09/2023	Vigour score 18/09/23 (0-10 Index*)	Vigour score 25/10/2023 (0-10 Index)	Verticillium Stem Stripe trial rating
PT303	60.0	6.5	8.3	Partially resistant
PT312	62.5	6.0	8.1	Partially resistant
PT315	62.5	6.0	8.0	Moderately resistant
Quartz	60.0	5.8	7.6	Susceptible
Campus	50.0	5.0	6.8	Moderately susceptible
Flamingo	26.2	2.8	5.8	Partially resistant

*0 = lowest, 10 = highest

Stem health

PT303 stem health at maturity reduces premature senescence and its damaging effect on yield.

PT303



Leading competitor



Light Leaf Spot and Stem Canker

PT303 has broad agronomic strengths. It provides a resistance score of 7 Light Leaf spot and 6 for Stem Canker.

Phoma resistance is derived from both Rlm 7 and broad-based genetic resistance ensuring it is appropriate for high pressure situations.

Turnip Yellows Virus (TuYV) resistance

PT303 has TuYV resistance as confirmed by GEVES testing in France.

PT312 provides a very high gross output yield with a very high oil content.

It combines Protector Sclerotinia tolerance with partial resistance to Verticillium Stem Stripe and Turnip Yellow Virus resistance.

- Gross output of 109% in NIAB trials.
- Very high oil content of 47.6% in National List trials.
- Protector Sclerotinia tolerance.
- Partial Verticillium Stem Stripe resistance.
- Turnip Yellow Virus (TuYV) resistance.
- Stem Canker 7, Light Leaf Spot 5.
- Large stature hybrid that has scored 9 for lodging and 8 for stem stiffness.
- Pod Shatter tolerant.

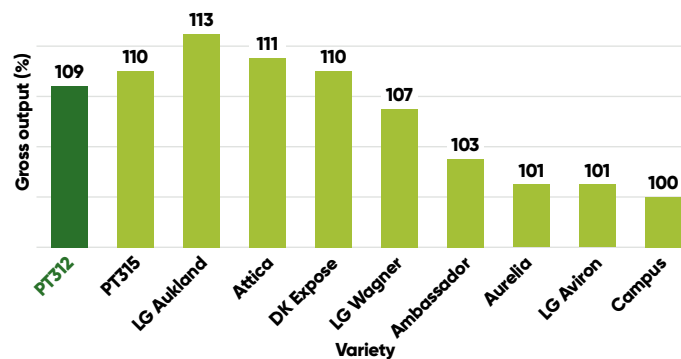
Top level gross output and agronomics

PT312 has given a very high gross output yield of 109% in NIAB trials.

This top-level yield performance comes with a unique agronomic package including Turnip Yellow Virus resistance and Sclerotinia tolerance.

PT312 scores 7 for Stem Canker resistance and 5 for Light Leaf Spot.

2022/23 NIAB WOSR variety trials - top gross output varieties, 5 locations



High oil

PT312 gave the highest oil content of any variety in 2020–22 UK National List trials. This level of oil content is likely to generate significant oil bonus

payments. An illustration of the type of oil bonus payments that may be achieved can be seen in the table below.

PT312 potential oil bonus payment based on UK National List trial results

Variety	Seed yield %*	Seed yield t/ha	Oil content %	Oil bonus payment £ per tonne	Oil bonus payment £ per ha
PT312	101	5.28	47.6	£51.30	£270.98
Campus	100	5.23	46.0	£40.50	£211.82
DK Expansion	101	5.28	46.0	£40.50	£213.93
Aurelia	104	5.44	45.4	£36.45	£198.26
Aspire	97	5.07	45.6	£37.80	£191.76

* 100% control seed yield, t/ha

Figures based on a crop value of £450/tonne and an oil bonus payment of 1.5% for every % above 40%

PT315

PT315 provides a very high gross output yield with a very high oil content.

It combines Pod Shatter resistance with Turnip Yellow Virus resistance.

- High gross output of 110% in NIAB trials.
- Very high oil content of 46.8% in National list trials.
- Pod Shatter resistance.
- Turnip Yellow Virus (TuYV) resistance.
- High rating of 6.9 for early autumn vigour.
- Light Leaf Spot 6, Stem Canker 6.
- Phoma resistance based on RlmE and horizontal quantitative genetic resistance.
- Large stature hybrid that has scored 9 for lodging and 8 for stem stiffness.

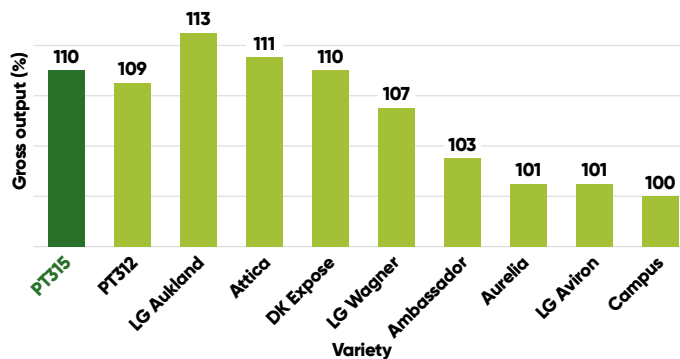
Top level gross output and agronomics

PT315 has given a very high gross output yield of 110% of the control yield in NIAB trials.

This top-level yield performance comes with a unique agronomic package including Pod Shatter resistance, Turnip Yellow Virus resistance and the highest autumn vigour score of any hybrid in the Pioneer range.

PT315 scores 6 for both Light Leaf Spot and Phoma resistance. The Phoma resistance is based on the RlmE resistance gene combined with broad horizontal quantitative resistance.

2022/23 NIAB WOSR variety trials - top gross output varieties (%), 5 locations



High oil

PT315 has given one of the highest oil contents of any variety in both 2021 and 2022 UK National List trials. This level of oil content is likely to generate

significant oil bonus payments. An illustration of the type of oil bonus payments that may be achieved can be seen in the table below.

PT315 potential oil bonus payment based on UK National List trials results

Variety	Seed yield %*	Seed yield t/ha	Oil content %	Oil bonus payment £ per tonne	Oil bonus payment £ per ha
PT315	105	5.49	46.8	£45.90	£252.06
Campus	100	5.23	46.0	£40.50	£211.82
DK Expansion	101	5.28	46.0	£40.50	£213.93
Aurelia	104	5.44	45.4	£36.45	£198.26
Aspire	97	5.07	45.6	£37.80	£191.76

* 100% control seed yield, t/ha

Figures based on a crop value of £450/tonne and an oil bonus payment of 1.5% for every % above 40%



Pioneer Winter Oilseed Rape seed is available treated with LumiGEN™ Premium or LumiGEN™ Insecticide Premium Powered by Lumiposa®.

Both options include the nutrient growth promoter Lumidapt™ Optima and the fungicide Scenic® Gold.

**LumiGEN™**

Lumiposa®

SEED APPLIED INSECTICIDE

Your key Pioneer contacts

For all enquiries about Pioneer Winter Oilseed Rape contact your local Corteva Representative. Their experience and local advice is available to help you maximise your success.

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