

Priority traits: shortlist

OSR Pathogens

Trait	Importance to industry	Research in hand	Required
Stem canker	High	Oregon core and Link	Improved durable resistance
Light Leaf spot	High	Oregon core and Link	Pathogen race structure

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OSR Pathogens

Trait	Importance to industry	Research in hand	Required
Virus	Not clear. Issue is level of crop lost, may be trivial or very significant	Currently little	Survey data on extent of crop losses

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OSR Pests

Trait	Importance to industry	Research in hand	Required
Pigeons	Affects agronomic practice in UK, losses are sig.	Some historic, none current	Suggestions for a way forward, either cultural or genetic
Slugs	Persistent and routinely treated with pesticide	?	Role of glucosinolates?

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OSR Pests

Trait	Importance to industry	Research in hand	Required
Cabbage stem flea beetle	Major threat to establishment. Pesticide control essential	RRes	Genetic resistance or Non-pesticide cultural control
Pod midge & seed weevil	Not a major problem but changes in pesticide use could increase risk	RRes	Genetic resistance

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OSR Agronomy

Trait	Importance to industry	Research in hand	Required
Establishment	Recurring problem in dry conditions	ADAS, HRI	Understanding of genetic factors. What to breed for
N use	Main component of energy input.	Scoping study in place	Awaiting scoping study report

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OSR Agronomy

Trait	Importance to industry	Research in hand	Required
Yield components	Yield increase relates directly to production efficiency	JIC	Understanding of Harvest Index. Genetic variation to improve HI
Roots	Unknown factor	None	Data to enable an assessment of importance

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OSR Product quality

Trait	Importance to industry	Research in hand	Required
Oil for biodiesel	May be very high, but current profile probably acceptable	?	Competitiveness depends on energy use. N use may be most important factor