



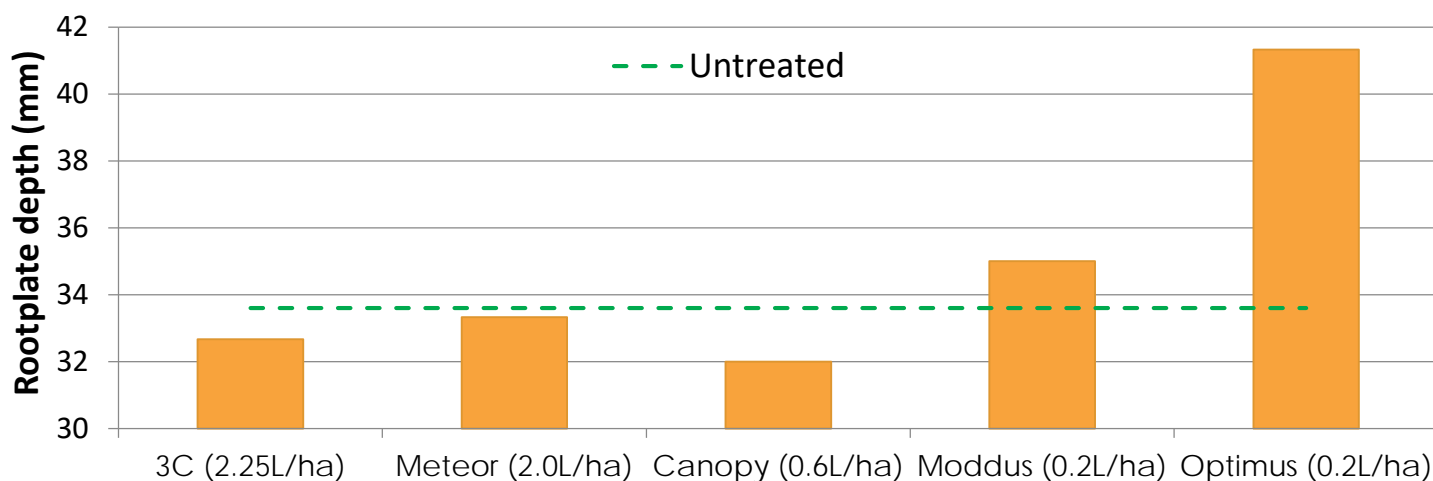
Is a PGR really justified this spring?

Winter cereal crops generally fall into one of two groups this spring:

- **Early drilled, forward and lush:**
Early drilled crops are clearly at risk of lodging and will need careful management of fertiliser inputs in addition to a well-executed programme of growth regulation.
- **Later drilled, thin and shallow rooted:**
Late drilled crops with shallow, inadequate root systems are at extreme risk of root lodging exacerbated by the wet soil.

Both types of crop are likely to have inadequate root systems restricting nutrient and water uptake, particularly if a wet winter is followed by a dry spring.

Optimus stimulates improved root growth

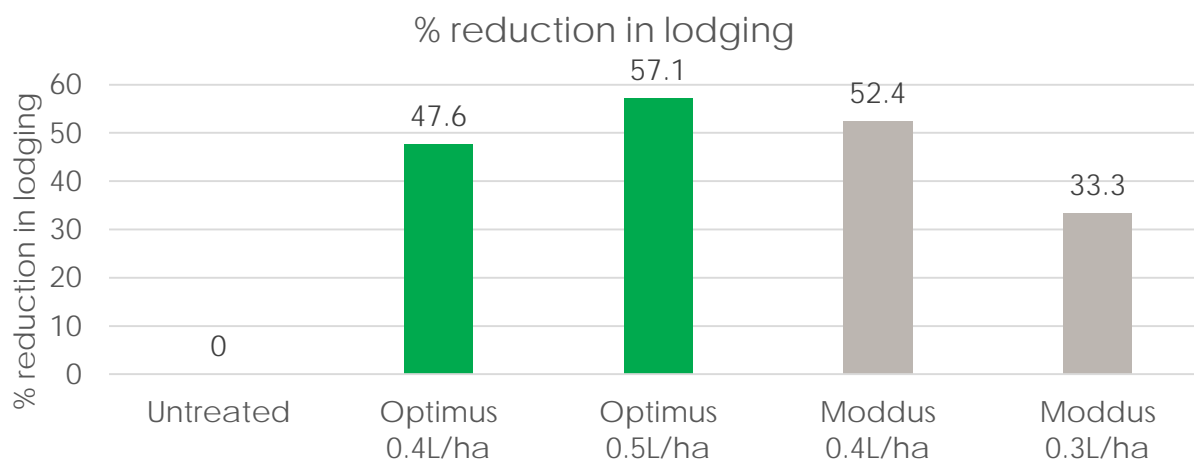


The superior formulation of Optimus delivers

- ✓ Superior root growth to reduce root lodging & improve nutrient uptake.
- ✓ More rapid uptake and rainfastness than standard products.
- ✓ Increased stem strength and height reduction than standard products.
- ✓ Greater reduction in lodging.

Increased root growth provides **more secure anchorage** and supports **improved uptake of nutrients and water**

Optimus offers superior lodging reduction



Source: MAI 2014

Optimus recommendations

Crop	Growth stage	RECOMMENDATION	REASON
Winter Wheat	T0 GS30-31	Optimus 0.3 l/ha	Stimulate roots, improve anchorage, nutrient uptake and enhance tillering
	T1 GS31-32	Optimus 0.15–0.3 l/ha + Stabilan 750 1.25 l/ha	Shorten internodes, increase stem strength and thickness to reduce lodging and improve resistance to Eyespot and Sharp Eyespot
	T2 GS37	Cerone 0.5 l/ha	Shorten higher internodes in high-risk lodging situations
Winter Barley	T0 GS30	Optimus 0.15–0.3 l/ha + Stabilan 750 1.25 l/ha	Split-dose application best for rooting, stem strength and lodging risk
	T1 GS31-32	Optimus 0.15–0.3 l/ha + Stabilan 750 1.25 l/ha	Key timing for increased lower stem strength
	T2 GS37	Cerone 0.5 l/ha	
Spring Barley	T1 GS30-32	Optimus 0.3 l/ha	Shorten internodes, increase stem strength and thickness to reduce lodging
	T2 GS37	Cerone 0.25 l/ha	Shorten higher internodes in high risk lodging situations

Nufarm Technical updates are eligible for 1 BASIS CPT/year Ref: CP/100840/2021/g. Email claim to linda@basis-reg.co.uk

Stabilan 750 contains chlormequat chloride
Optimus & Moddus contain trinexapac-ethyl
Cerone contains ethephon
Meteor contains chlormequat and imazaquin (REVOKED)
Canopy contains mepiquat and prohexadione calcium

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Moddus is a Syngenta trademark
Cerone is a Bayer trademark
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Details of application rates and timings are given in Nufarm labels and product literature; both of which can be accessed from our website www.nufarm.com/uk. Alternatively, ring the Nufarm helpline on 01274 694714, Monday to Friday 9.00 - 17.00

Use plant protection products safely. Always read the label and product information before use. For label and safety information, refer to the Nufarm website www.nufarm.com/uk. Nufarm UK Ltd, Wyke Lane, Wyke, Bradford, BD12 9EJ.

