

Zax: Spring Cereal Zinc Seed Treatment



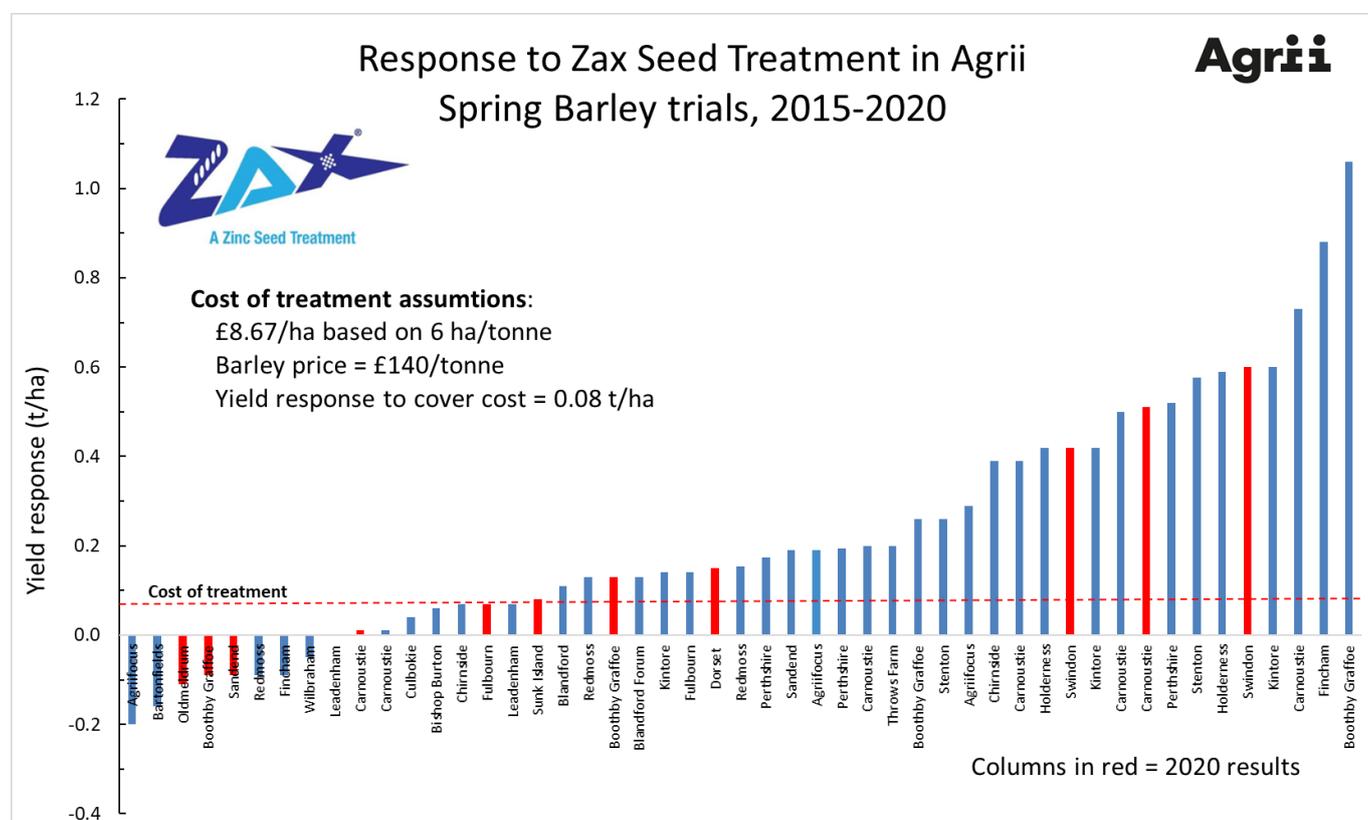
Why Use Zax Seed Treatment?

✚ Benefits of Zax Seed Treatment

- ✚ High load zinc (450g) as zinc dinitrate
- ✚ Consistent yield responses even in non-deficient soils
- ✚ Increased speed of emergence and evidence of a more competitive crop
- ✚ Safe to the crop and compatible with all other treatments (except Take off ST)
- ✚ Compliments follow-up foliar application
- ✚ Unique to Agrii and tested over 4 years

✚ Results from Agrii's Trials in Spring Barley

- ✚ Significant yield responses have been seen in Agrii's spring barley trials over the past six years



What situations favour the use of Zax Seed treatment?

✚ Factors Affecting Zinc Availability

- ✚ pH > 7.0, calcareous soils and recently limed soils
- ✚ Soil compaction
- ✚ High P index or high recent P application (antagonises Zinc availability)
- ✚ High soil organic matter content (lock up)
- ✚ Prolonged dry soil conditions
- ✚ Sandy soils

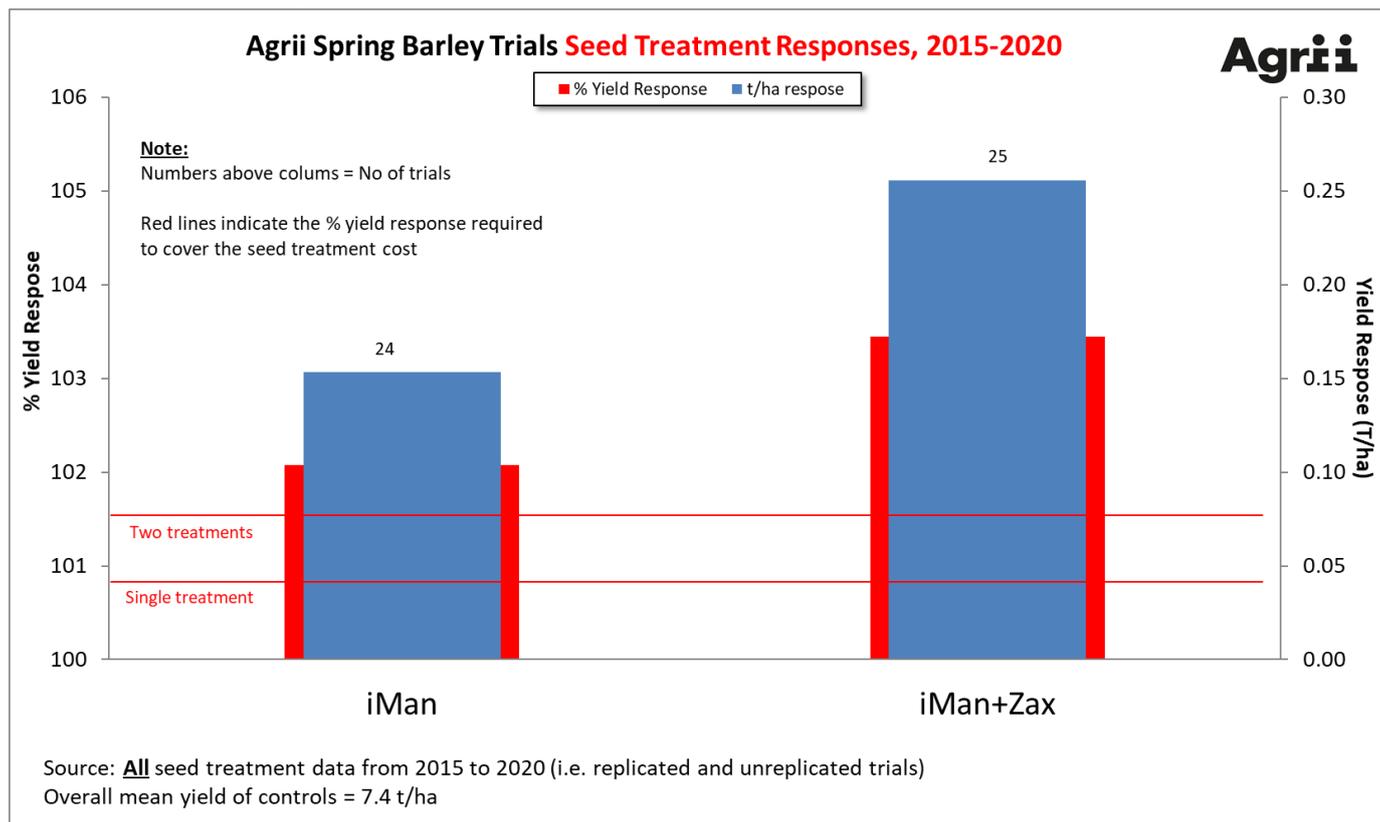
Why is Zinc Important?

✦ What does Zinc Do?

- ✦ Involved in the assimilation of carbon dioxide in photosynthesis
- ✦ An integral part of an enzyme which protects the plant from damaging oxidizing compounds
- ✦ Involved in the production of plant auxins responsible for cell division

Can It Be Co-applied with Other Nutrient Treatments?

- ✦ Agrii's trials over the past six years show that it is complimentary to iMan (high-load manganese seed treatment).



When Is Zinc Most Needed By The Crop?

✦ Zinc Levels – The Agrii-Lancrop Study, 2018-19

- ✦ The study shows that Zinc is required early in the crops life but the requirement gradually declines as the crop develops.
- ✦ The black line indicates the average level (in ppm) from historical tissue analyses of hundreds of commercial crops. The red line indicates the typical level in high yielding crops.
- ✦ The study provides strong supporting evidence that a seed treatment is one of the best ways of providing an early targeted source of Zinc to the crop.

