

How to manage nitrogen in Kernza crop ?

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Nitrogen fertilization & Results

Times of application :

2018 : Tillering, flowering, autumn

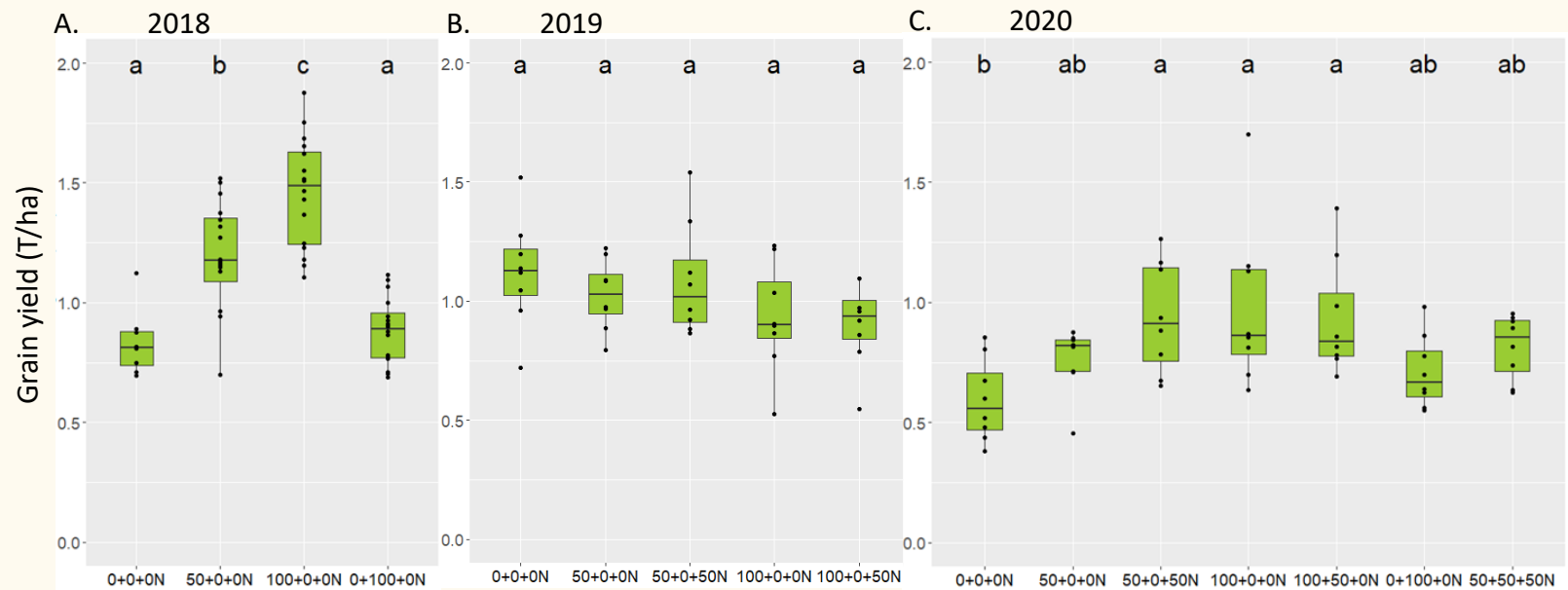
2019 : Tillering, / , autumn

2020 : Tillering, flag leaf , autumn



Doses of application at these stages :

0, 50 or 100uN/ha



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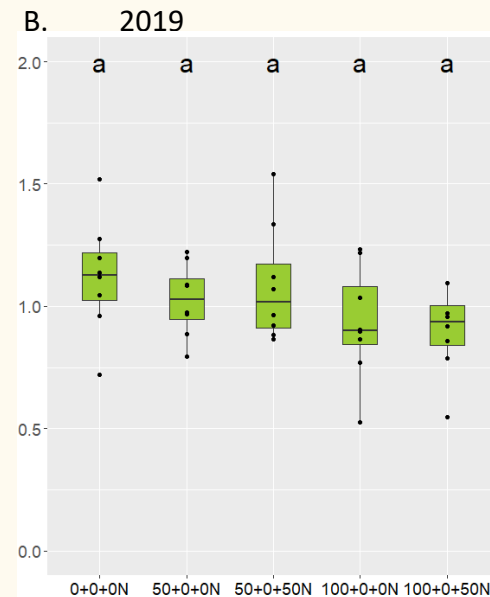


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Grain yield (T/ha)



Number of tillers/m² (beginning of stem elongation)

2018	2019	2020
417	1562	958

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Nitrogen fertilization & Results

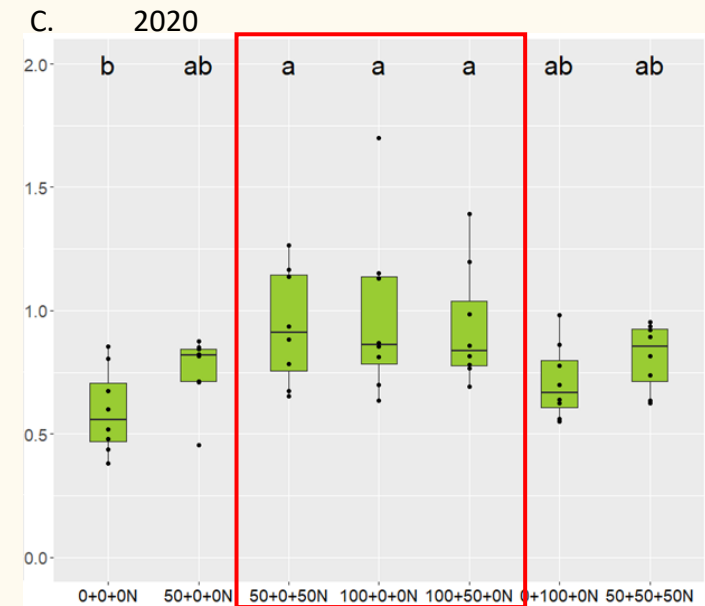
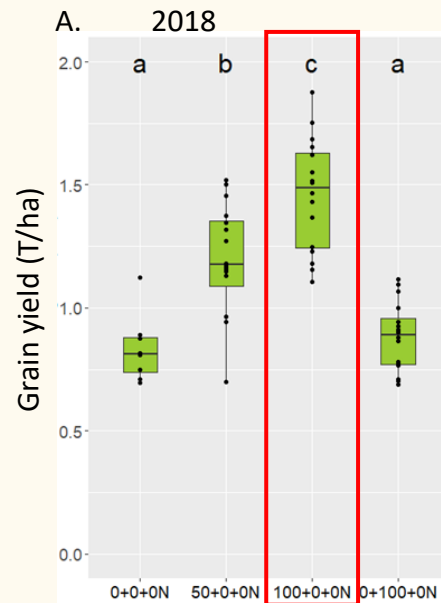
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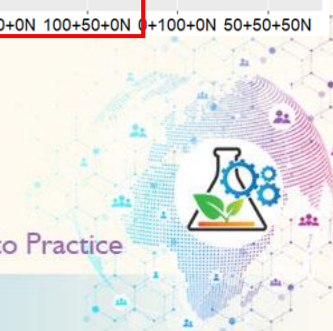
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Summary

- Fertilization need to be adapted to plant density
- Plant need ~ 100 uN of N/ha at vegetative stage
 - > Best grain yield
 - > Positive impact on yield components
 - ↗ number of ears/m²
 - ↗ TKW

Thanks for watching !



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