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A new phytostimulating treatment for maize seed germination

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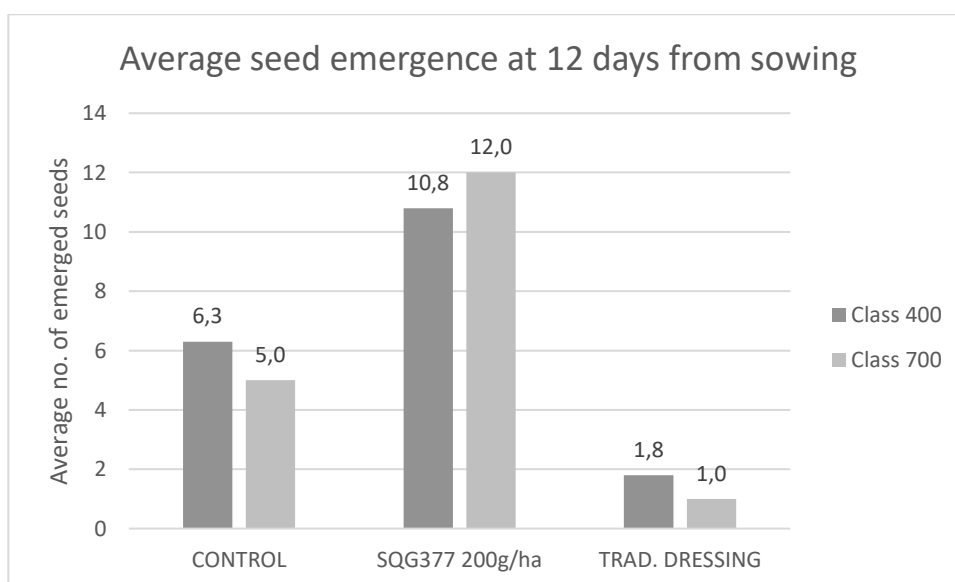
Objectives

The aim of this study was to evaluate the efficacy of a bio-enhancer (SOP), to be applied as a seed dressing before sowing, on the germination speed of two varieties of Maize caryopses, belonging to two different classes of precocity, on an experimental farm in northern Italy.

Materials & Methods

Formula	SOP SQG 377
Seed class	Class 400 hybrid LG 33.9, class 700 hybrid LG AZUAGA
Materials & Methods	Two varieties of maize belonging to two different classes of precocity were compared. Undressed seeds were dressed differently before they were planted in pots. The samples for each class were: 1) undressed control; 2) dressed with SQG 377 200 g/ha (recommended standard dosage); 3) dressed with conventional fungicide at recommended dressing dosage.
Evaluated parameters	Seed emergence
Statistical significance	P<0.05

Results & Graphs



Conclusions

SOP helps enhance emergence speed and uniformity of maize caryopses, giving advantages to both early and late sowing.