

Evaluation of New Practices for the Cultivation of Corn and of its Impact on the Environment

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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 to corn seeds, to improve nitrogen efficiency and reduce gaseous emissions from the soil of an experimental field in Italy.

Materials & Methods

Formula	SOP SQG 377
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Evaluated parameters	Corn yield and air emissions
Statistical significance	$P < 0.05$

Results & Graphs

The results demonstrated that corn treated with SOP COCUS MAIZE+ yielded the same quantity of corn per hectare as standard farm cultivation but with the use of 30% less nitrogen fertilizer and with reduced emissions of Nitrous Oxide.

Conclusions

The results indicate that the use of SOP bio-enhancer can improve the sustainability of corn cultivation.

Details of results and data will be made available after the publication of the paper.