



FIELD PROJECTS WITH APPLICATION OF XCEL BIO (A) AD DIGESTATE

Field applications evaluations of digestate from Xcelbio (W) treated AD plants are under way in three locations in Europe.

From initial results and observations it is apparent that the Xcelbio (W) treated digestate has an improved symbiotic effect in the crop rhizosphere.

Crops of wheat and maize recently harvested have shown increases in yields of up to 23% higher yields than previously achieved on the respective lands. In Austria we have already had the results of the wheat harvest which shows an increase in yield of 24%. There is also a substantial reduction in chemical fertilizer used.

Visually the crops display increased leaf area and deeper green colouration. The pictures clearly show the difference between wheat with Xcelbio (W) treated digestate and that with "normal" digestate both being applied at the same rate.

It is apparent from a UK application that the effects are more pronounced on sub-standard soils.



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The pictures displayed show clearly the difference between the wheat treated with Xcelbio (W) digestate and without. This is just one of the many benefits that can be achieved by enhancing an AD plant with the Xcelbio (W) biocatalyst technology.

WE NOW HAVE SIMILAR RESULTS IN:
UNITED KINGDOM, AUSTRIA AND SWITZERLAND

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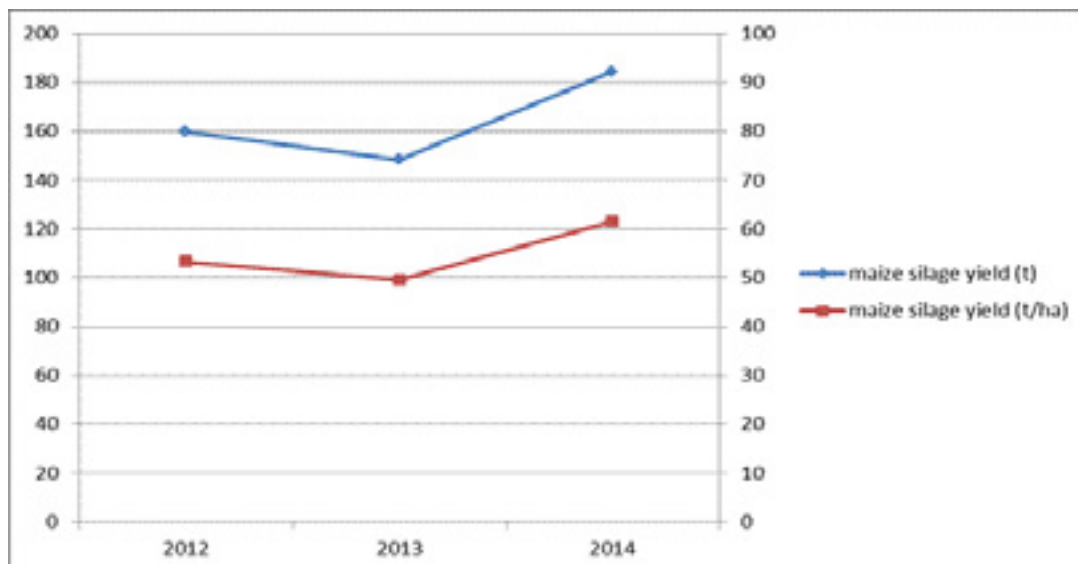


Change of maize silage yield on 3ha field, fertilised only with biogas digestate after Xcelbio (A) was introduced into the biogas plant.

	MAIZE SILAGE	MAIZE SILAGE
YEAR	Yield (t)	Yield t/ha
2012	159.95	53.32
2013	148.54	49.51
2014	184.57	61.52
2014/2012		15.39%
2014/2013		24.26%

2013 was a very dry season, yields were much lower.

Digestate with Xcelbio (A) was used for fertilising for season 2014.



See reference: Environmental Microbiology (2000) 2(5), 495±505
Holly M. Simon, Jeremy A. Dodsworth and Robert M. Goodman*

Department of Plant Pathology, University of Wisconsin-Madison, 1630 Linden Drive, Madison, WI 53706, USA.

For sales and technical enquiries contact: infoxcelbio@gmail.com

SEEDLING PROJECTS WITH APPLICATION OF XCELBIO (A) AD DIGESTATE



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