From its roots, organic inspires science, and vice versa

Book of Abstracts of the Science Forum at the Organic World Congress 2021, September 8-10, 2021

Rennes, France

Gerold Rahmann, Frédéric Rey, Reza Ardakani, Khalid Azim, Véronique Chable, Felix Heckendorn, Paola Migliorini, Bram Moeskops, Daniel Neuhoff, Ewa Rembiałkowska, Jessica Shade, Marc Tchamitchian (eds.)

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Parallel 5: Cropping system 1

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SILAGE FROM INTERCROPPING OF MAIZE WITH COMMON BEANS (PHASEOLUS VULGARIS) AS ROUGHAGE FOR FATTENING PIGS

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Abstract: Maize silage is a high-energy roughage that can be fed to fattening pigs to provide both employment and additional nutrients. Intercropping of maize with common beans was tested to produce a roughage higher in proteinbut was still found to contain considerably less protein than grass-clover silage, which is frequently fed to pigs. In a fattening trial with 144 pigs, maize-bean silage was compared to grass-clover as roughage.

Although silage consumption in early fattening was lower when maize-bean silage was fed, neither fattening nor slaughter performance differed. So maize-bean silage as roughage was equally efficient as grass-clover silage, but did not show nutritional benefits.

Keywords: Corn, organic agriculture, pig production, roughage, silage