

BIOMASS

NEW METHODS FOR UTILIZATION OF FARM MANURE REQUIRED

In former times: Farm manure, stable and dry manure could simply be used as fertilizer in the fields.

Nowadays: Due to limits lowered and longer blocking periods for spreading manure, new methods of utilization are necessary.

OUR RESEARCH PROJECTS:
CARBON FERTILIZER ON THE BASIS OF FARM MANURE



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OBJECTIVE: CARBON FERTILIZER ORIGINATING FROM FARM MANURE, WITH RECUPERATION OF NITROGEN AND PHOSPHORUS.

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PROJECT PARTNERS: TECHNICAL UNIVERSITY OF BINGEN, UNIVERSITY OF GEISENHEIM, JUSTUS-LIEBIG-UNIVERSITY OF GIESSEN, KLASS FILTER GMBH (GERMANY)

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PROJECT DURATION: AUGUST OF 2017 TO OCTOBER OF 2020.

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PROCESS INTENDED: SEPARATION OF MANURE INTO SOLID AND LIQUID PHASE, CARBONIZATION OF NUTRITIOUS SOLID PHASE BY MEANS OF A PYREG PLANT, PELLETIZING OF CARBONIZATES TO HYGIENICALLY IMPECCABLE COMMERCIAL FERTILIZER.

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