



SEPARATOR

A **BAUER Group** company

Press Release

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AGRITECHNICA 2013:

Separator „Green Bedding“ for approved bedding quality

Using separated slurry has become a factor of success on numerous dairy farms

The utilization of separators for slurry conditioning and transformation into bedding material for dairy farming is enjoying a growth in importance. FAN Separator GmbH, a subsidiary of the reputable Austrian Bauer Group, develops innovative solutions. The „Green Bedding“ separator changes the content of humidity, volume and consistency of the raw material transforming it into a high-quality as well as economic organic bedding material. The technique has been tested, it conforms to all Directives and is therefore supported favourably by the European Union.

The optimal economic choice of bedding material is now a major challenge in dairy farming. On the one hand the bedding must be accepted optimally by the animals and provide acceptable comfort to the animals, two significant factors for milk production. On the other hand the cost of bedding material and subsequent disposal must keep within a reasonable scale. Traditional bedding materials e.g.: straw, sawdust, rubber mats, sand have considered disadvantages in addition to the high costs involved.

Therefore innovative dairy farmers in many countries worldwide have been seeking for alternatives and have found their solution in organic bedding material. This "green bedding" solution fulfils all criteria to the best: readily accepted by the animals, simple logistics & handling, permanent availability on the farm. Separating undigested fibres from the slurry and using them as high-quality bedding material involves extremely low production costs. On average the separator runs two to four hours a day, so that the operating costs for the production of this high-quality material are very low. The USA are pioneers when it comes to this innovative technology with several hundred separators in operation for more than 15

years and a considerable rise of the farmers' income resulting thereof. Among the forerunners in Europe count Switzerland, the Netherlands and France. Recently this technology has also been used with great success in the United Kingdom, in Germany and Italy. The technique has been tested and approved and it conforms to all CE Directives provided the material produced remains on the farm. The EC Conformity and innocuousness of this bedding material has already been confirmed by national authorities as well.

Technically spoken, the "Green Bedding" separator serves to separate the slurry into a solid and a liquid waste streams. The high dry-matter content achieved by this machine made by FAN offers numerous advantages: Dry bedding material is preferred by the cattle, dry material also inhibits bacterial growth in the bedding material. It's proven over the past few years the green-bedding process does not negatively influence the bacteria content, nor mastitis levels when compared to traditional bedding materials. Another very positive aspect is the reduction of liquid slurry storage volume by up to a quarter and trouble-free in-field dispersal using existing conventional equipment & methods.

FAN, the technical pioneers of separation design, has perfectly matched the requirements of the green-bedding user with this innovation. The separator's auger was specifically developed for this purpose and is matched to a newly designed control unit. The dry-matter content of solids is kept constant, and can achieve up to 36%. The integrated pressure monitoring hardware supplies a consistent slurry feed to the separator. In addition it avoids potential dry running and costs associated with undue wear and tear.

Visit us at Agritechnica from November 10th to 16th **hall 16 (slurry) – booth C 17!**



Image caption: FAN Separator „Green Bedding“

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The Bauer Group at a Glance

Since its foundation in 1930, the BAUER Group - headquarters in Voitsberg, Styria, has been focused on irrigation and slurry management technology. Whilst initially producing wastewater and slurry pumps, the company first became an international player in the sector of irrigation technology in 1947 with the patent-protected Bauer lever lock coupling - named after Rudolf Bauer, the company founder. Today the company is developing rapidly in the biotechnology sector with wastewater treatment & biogas plants and it is focusing on three main sectors: irrigation management, waste management as well as energy management.

BAUER is the Global market leader in irrigation technology: A total of more than 2,5 million hectares is globally irrigated. A major part of sales representing 50% of the total turnover is achieved in the sectors of slurry and environmental waste processing. The BAUER Group exports to more than 90 countries of the world. With approx. 530 employees, Bauer made a turnover of about 167 million Euros in 2011/2012. With an export ratio of 90%, the main markets of the BAUER Group are Germany, France, the CEE countries, China, the USA, South-America and Australia.

The BAUER Group currently consists of 17 companies worldwide.

Product Range

- *Various irrigation systems*
 - *Automated pivot and linear systems, i.e.: Centerstar, Centerliner, Linestar*
 - *Irrigation machines, i.e.: Rainstar, Duostar, Rainboy or ProRain*
 - *Traditional irrigation, i.e.: pipe systems and solid-set plants*

- *Slurry transportation (slurry tanks)*
- *Innovative slurry treatment: mixers, pumps, separators, composting and distribution*
- *Pipes and fittings*
- *Wastewater treatment and separation technology for the food and paper industry*
- *Components for Biogas plants*
- *BRU Bedding Recovery Unit*

Internet Services

- *Configuration of all machines*
- *Ordering of all spare parts*

For further information see: www.bauer-at.com and www.fan-separator.de

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