



Slurry for cow bedding

Separator model BENFORT - X25
Specially for cattle

Yes! The reuse of the solid fraction of the slurry generated by the farm itself to make the bedding in the cubicles or hot bedding is already a reality. This system saves a lot of money in the purchase of products such as sand, straw, calcium carbonate, etc...

HOW IT WORKS

First we will separate the slurry with BENFORT equipment, as this allows us to obtain around 30/35% of dry matter in the solid fraction. This solid fraction is then physically suitable for use in the animal bedding, either with or without prior sanitization (recommended: see next section).

Up to 35%
dry matter!



SISHICA sanitation system

Mecàniques Segalés has developed and patented an ideal sanitising process for cow farms.

They consist of an air injection pipe, fan, remote control GSM control panel and a practicable cover (optional).



What is the purpose of the SISHICA sanitization system?

The objective is to raise the temperature to a thermophilic regime, reaching near or above 70°C and thus disinfect the solid fraction through an exothermic microbiological process.



Conclusions of the study of the Mecàniques Segalés system: solid fraction of slurry for animal bedding

Pile disinfection system in treatment

Moisture reductions greater than organic matter degradation. Good material dewatering system.

Very high levels of sanitisation: reductions of more than 90 and 99% of viables.

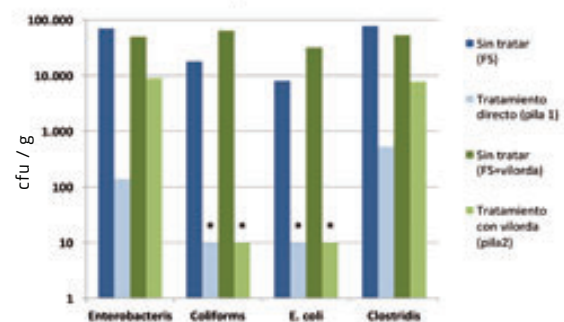
Reductions of viable faecal indicators (coliforms and E. coli) always clearly above 99%.

Reductions of viable enterobacteria and clostridia in the solid fraction always higher than 99%.

Increased sanitization in the piles without structuring. If required, it is much better to add the structuring, if it is already hygienically suitable, after hygienisation.



SANITATION OF SOLID FRACTION OF CATTLE SLURRY



Decoding: bars with an * represent results below the analytical detection limit and have to be interpreted as: < 10 cfu/g.

Rack for beds

Modelo: LIFE

COW BEDDING RACK

Power: 30 hp

The rack is used to aerate and fluff the product placed in the bedding of the cow's cubicle. This rack is ideal for its design suitable for any type of cubicle and for its versatility of tines in terms of positions and heights that allows us to reach all the corners of the cubicles.

It is ideal for daily use. In this way, we favour the process of sanitising the life of bacteria and allow them to carry out their work of colonisation.

By removing the product daily, the comfort of the animals is superior, as it is spongy and not caked, the cow remains lying down for longer.

Its daily use provides a better quality of life for the cow, thanks to its comfort.



WHY THIS RACK SYSTEM?

It is highly versatile. It is able to adapt to any cubicle thanks to its width and height adjustments.

It can work on both sides: left and right.

It has screwed couplings to be able to work independently in telescopic or tractor. With just one model, we can work it with the machine we are most interested in.

It includes 14 adjustable tines placed every 10 cm. These are replaceable, so if they wear out more on one side than the other, we can replace them and still have a new machine.

It has three independent tine height adjustments, depending on the cubicle: 9.5 cm - 13.5 cm - 17.5 cm. This way we can reach all points of the bed.

TECHNICAL DETAILS:

Working width: 1,55 m

Hydraulic drive required:

1 double-acting element to be able to lift the rack at the end of the cubicles or on displacements.

Bedding machine

Modelos:

REST - 1 / REST - 1,7 / REST PLUS - 2,10

WHY THE BEDDING MACHINE REST?

The design of our sanitation system facilitates the loading of the sleeving machine and allows it to go directly to the cubicles for distribution.

It has an internal rotor that prevents the solids from caking in the hopper and allows us to distribute at a constant speed.

The output of the belt is adjustable. This allows the quantity of material to be adjusted at any time depending on the time of year and the condition of the cows.

Due to the low density of the solid material, a 60 HP tractor is sufficient to make the cubicles.

There are 3 models of bedding machine depending on whether it is installed on a tractor or telescopic.

The belt design allows unloading on both sides.



TECHNICAL DETAILS:

- Three-point hitching to the tractor by means of a loader linkage or attachment to suspended telescopic shovels.
- Autonomous loading of materials.
- Possibility of the third point made to measure.
- Hydraulic hoses with anti-scratch protection for longer life.
- Protective nozzles for quick coupling during storage.

NEEDS:

- Hydraulic drive required on the tractor: 2 elements, double acting.
- Hydraulic drive required at the tip of the shovel or telescopic handler: 1 double-acting element.