

Vestal Laboratories



VESTA AGRIMIX

Treatment and maturation of sewage in industrial farms.

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VESTA AGRIMIX is a biological complex that, thanks to the capacity to drive the nitrification and denitrification processes with considerable effectiveness, is used in the treatment of livestock sewage for the reduction of total nitrogen with fluidization of the mass. The regular use of VESTA AGRIMIX reduces the maturation time of the sewage and helps its management as it contributes to its fluidification, preventing the formation of solid sediments that are difficult to remove. It also prevents the formation of bad odors. The presence of yeasts creates natural convective motions inside the collection tanks.

How to use:

- 1) In two or three weeks pour 60 grams of VESTA AGRIMIX for every cubic meter of sewage already present in the tanks. (Es: if there are 100 cubic meters of sewage, add the first 60 kg of VESTA AGRIMIX in three or four times during the first 15 days). If the tanks are empty, go directly to step 2).
- 2) NITRIFICATION: weekly pour 30 grams of VESTA AGRIMIX under the gratings for every cubic meter of sewage produced.
- 3) DENITRIFICATION: in the conditions of prevailing anaerobiosis present in the maturation tanks, the microorganisms adapt and automatically drive an effective denitrification process. Non need to pour any more product in this step.

Goals:

- *The aerobic/anaerobic digestion process driven by VESTA AGRIMIX leadsto a reduction of the total nitrogen presents in the sewage by 50-70% in about 180 days. It should be kept in mind that the obtainable reduction percentage is related to the availability of organic carbon (continuous additivies of fresh sewage).*
- *The nitrification process that takes place in the tanks under the gratings, involves a reduction of the ammonia present in the breeding from 20-25 ppm to 5-7 ppm.*
- *Great reduction of bad odors coming from the farm and.*
- *High efficiency of sewage to be used as agricultural organic matter already biologically active.*

Warnings:

If the first treatment with VESTA-AGRIMIX is carried out on very old sewage, a temporary increase in the organic load (and consequently total nitrogen) which flows into the storage tank will occur in the initial stage. This phenomenon is due to the demobilization of organic sediments present under the gratings, in the sewer system and in the storage tanks. To speed up the digestion of this extra load, it is recommended to use about 60 grams of VESTA AGRIMIX per cubic meter of sewage for the first 15 or more days, and then move on to the dosages indicated above.

The product is a ready to use powder: just pour it in water (about 10 liters or more of water for 1 kg of product and apply on the sewage).

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