Bio-Catalytic management of odors and composting optimization in production of organic biofertilizer from poultry waste



GyO

GESTIÓN Y OPERACIONES

Biotecnología Inteligente

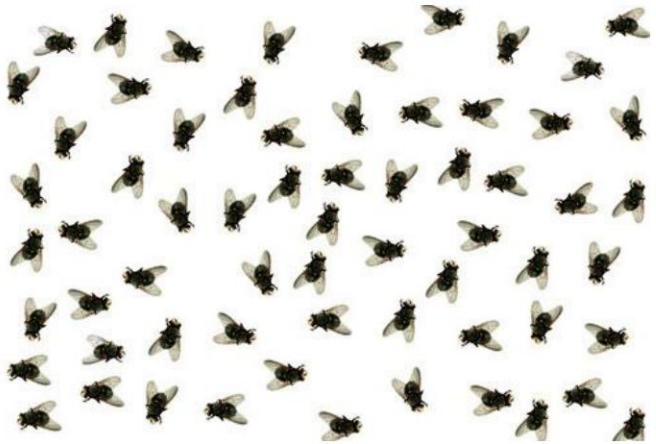
Like all poultry farms and any type of livestock farm, the management of excreta and residues generated daily can become a health problem if adequate mechanisms are not found to process them – In addition to health problems, they can lead to social problems and legal due to bad odors and proliferation of flies.



GyO developed a 45-day treatment methodology - directing that waste towards a final environmental disposal, which consists of a degradation process controlled and optimized by a specific Consortium for that type of Waste - where it also contemplates the use of organic products that they prevent the proliferation of these odors and therefore the prevention of flies - The waste is sent daily to an assigned property for specific treatment where through developments (Degrading Bacteriological Consortiums) and operational mixtures, we can produce a high-impact Biofertilizer agriculture in various crops.











Organic Bio-Control

Our developments allow the control of flies - odors and others that impede the normal process and affect nearby population areas - In this regard, this product can also be provided to an Industrial Plant to apply on the process line - place where odors are concentrated - or sheds owned by Avícola in order to annul those odors that cause problems. It should be noted that the mitigation of odors and achieving an acceleration of composting conformation times, both in structure and in the provision for biodegradation of Bacteriological Consortiums - is only possible through the application of a Biocatalyst.





GyO incorporates different and specific substrates - these vary their NPK according to the nutritional requirements of each crop or each soil - In short, it starts with poultry waste, achieving an organic base, and on that organic base the substrates for each crop are injected into particular - thus specifying a Biofertilizer with specific nutrition for the crop in question, added to the action on the soil, giving texture and porosity to it - complemented with the benefits to the environment.





Analito	Muestra n°1
pH	6.42
Calcáreo %	--
CE dS/m	11.1
Humedad %	45.9
Materia Seca %	54.1
Cenizas %	70.2
Materia Orgánica %	29.8
Carbono orgánico %	17.3
Nitrógeno N %	0.90
Fósforo P %	0.40 (0.92 % P_2O_5)
Potasio K %	0.72 (0.86 % K_2O)
Calcio Ca %	1.58 (2.21 % CaO)









- The actions corresponding to the final disposal of waste and others from Poultry Farms conform to good practices for the environment, since the product obtained from the final disposal is a bioferilizer of wide agricultural use.

- Its use favors the reconstitution of soils favoring the increase of organic matter Micro and Macro nutrients, among others.





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