

Waste Management in Environmental Function (on an example of an agricultural enterprise)

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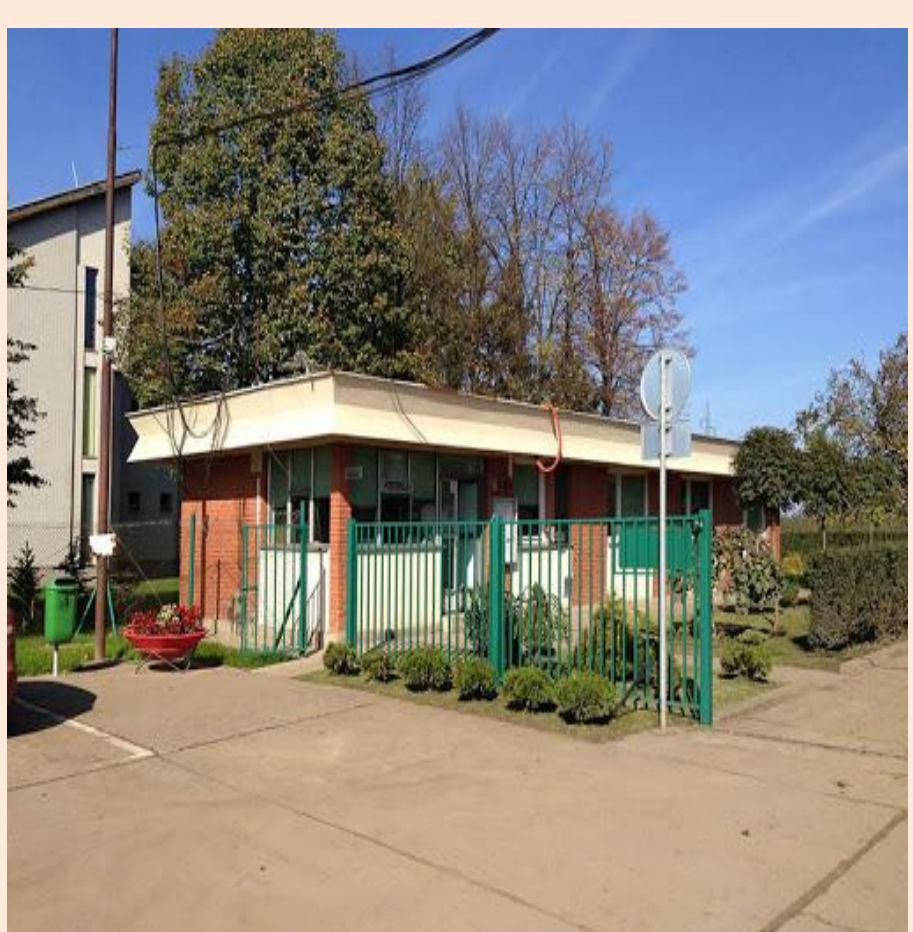
Abstract

Environmental

protection is crucial for human life and health. One way to protect the environment is to properly manage waste. The agricultural company „Sava Kovačević“, whose results have been used for analysis, is mostly oriented towards agricultural production, so most of the waste is biodegradable waste, which can be reused most efficiently for production.

Introduction

Waste has a significant impact on human health and the environment. All stages in the life cycle of products and services lead to the generation of toxic components and their emission into environmental factors.



Introduction

The agricultural production company „Sava Kovačević“ is primarily engaged in agricultural production, production of mercantile and seed cereals, cultivation of dairy cows and processing of milk in its own dairy and production of fish food, and also owns a newly established orchard. On the example of this company, whose results we have analyzed, we can see the situation: problems in our (field) economic practice.

Materials and Methods

By observing, visiting and interviewing, as well as by analyzing the appropriate archival material of the company, we have come to significant insights that can be a signpost to appropriate policies.

References

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Results

From the point of view or environmental protection, the overall activity of „Sava Kovačević“ has many advantages, because most of waste generated is biodegradable waste that is most efficiently reused by the company in agricultural production. All work units of the company represent separate entities, except for the machine workshop and the work unit of joint affairs that cross each other. Due to the fact that the work units are located in a relatively large area, there are problems related to waste management planning.

The machine unit is a complex of facilities, machine workshops. If there is a failure on the engine or on the hydraulics of the vehicle, waste oil is generated.

Results

Biodegradable waste, that is, barley straw, wheat, soybeans and corn, should be collected, pressed and handed over to the working unit of livestock, either for livestock food or as a floorcloth. In order to protect the environment, it is necessary to use alternative energy sources. Mirotin Energo d.o.o. which owns 68,23% of the “Sava Kovačević” company capital invests in the project of biogas plant Vrbas III offered by the company Biogest.

Biogas technology has the following steps:

- Substrate pre – treatment
- Dry/wet fermentation
- Number of fermentation stages
- Processing temperature
- Processor configuration
- Mixing equipment
- Desulphurisation
- Biogas storage.

Discussions

The grow of the global economy and the population has resulted in enormous consumption of fossil fuels, pollution, an increase in greenhouse gas emissions and increasingly evident climate change. The main component of biogas is *methane*, whose volume fraction affects the thermal value of biogas, although there is a change in the properties and composition of biogas from anaerobic digestion conditions and the type of input material.

Conclusion

Although there are some difficulties in planning waste management due to the distance between individual work units, we conclude that the company is coping with them very successfully. Economic policy,, should give more support to such businesses and their efforts.