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ENSURING ECOLOGICAL SUSTAINABILITY THROUGH COMPOSTING OF NATURAL WASTE

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Abstract
This research project natural things again work through high good quality organic no and biogas production release place to study people. Project - aerobic and anaerobic composting technologies used , organic things composting and biogas production release processes from the test conducted . research about purpose salty on the ground land fertility again, from ecological clean fertilizers to take and again recovering energy from sources send it development.
Experience other this It seems that aerobic composting 8.7 kg of fertilizer from 10 kg of waste via and 3 liters compost juice about possible . Anaerobic in composting and organic materials methane and carbonate anhydride to the gas converted into biogas harvest It will be. Ush processes ecological click provide and village farm productivity about service do it .
In the project , accounting, accounting again processing and their optimization for new from technologies send maybe even see for research importance , physical the environment protection to do, maybe economic and ecological efficiency about big their practical importance manifestation does.

Keywords: Natural composting technologies , aerobic composting , anaerobic composting , biogas production release , organic fertilizer , salted lands , soil productivity , ecological problems , village economy , economy again production , environmental living , natural resources , compost extract , special technology , farmer farms , faces sorting.

Introduction

Today, environmental issues have become one of the issues by the world. The increase in the number of inhabitants is increasing about the amount of consumption being processed into places and about things that are about to be stored. about, about a large part of the organic produced in agriculture and households in Uzbekistan is thrown into open spaces, which has an impact on the environment.
This about this problem solution to grow place natural things composting way with again production, environmental clean organic fertilizer and biogas to take the movement to study

people . In the project aerobic and anaerobic composting technologies applied to the face effective again work and salty on the ground land fertility restoration in sight caught .
Experience other this many companies , this technology things useful to the product ... through national ecological click only , maybe village farm productivity special service do it .

Experiment (research) object and Methodology

Ush of the research about object — natural things again work process is , this is process through organic things composting and biogas production release by studied . Composting in the process aerobic and anaerobic technology used are , they are through organic of materials piece of paper , top good quality fertilizer and biogas production release place evaluated .
Experience object about own about takes :
natural within : Plant leftovers , food husks and other organic materials . Ush things again work and composting in the process they about raw thing as about .
Composting Processes : Aerobic and anaerobic composting technologies apply through organic things again work and high good quality fertilizer and biogas to take processes studied .
Products : Aerobic composting about taken organic no and compost juices , anaerobic composting through taken biogas and his/her production release there is
Soil quality improvement : Salted on the ground land fertility recovery , compost distribution and his/her place .
Experience Methodology :
research in the process about styles and methods used :
Experimental Method : Aerobic and anaerobic composting processes in practice apply through experience The goal is to . In this process plant leftovers , food about and other organic materials experience object as about .
Aerobic in composting oxygen in the presence of microorganisms by of materials decomposition and high good quality no to take process studied .
Anaerobic in composting and oxygen-free in the environment organic materials methane and carbonate anhydride to the gas converted and biogas production release process from the test The goal .
Laboratory and field Size : Aerobic composting process laboratory to temperature , humidity and other parameters observed . , this from the process taken no and of juices quality to do for laboratory analyses take went .
Anaerobic composting process field to biogas production release and his/her place tested .
Anaerobic processing Great him/her provide for special containers and microorganisms about
Quality : Received composting quality his/her composition (nitrogen , phosphorus , potassium) such as big to do amount) and pH level according to was evaluated . Each compost sample , soil for how useful to be issue place laboratory from the analysis was held .
Compost juicing plants for usefulness and his/her Analysis of the impact composed . , their village on the farm and in gardening how for possibility studied .
Statistics Analysis : Experience other statistics methods by analysis time . Received data , composting processing place and high good quality no and juice production release the movement on was done.

Chiqqan for according to differences , experience by about differences and efficiency level statistics analysis by determined .

Technological and economic Creator : Aerob and anaerobic composting technologization technician place and economic usefulness book was obtained . Composting and biogas production release processing economic Okay , that's it. personal energy production to produce , to make decrease and about send by was evaluated .

Experience methodology :

Quantitative Method : Experiment for example , for example , 10 kg from waste 8.7 kg received fertilizer and 3 liters juice such as indicators , clear and measurable information to take for About these methods by processing place and product quality measurement by about .

Qualitative Method : Composting land and to plants the effect of it ecological usefulness and far within the period place about good quality analyses union increased .

Experiment (research) research and report discussion

In the project aerobic and anaerobic composting technologies based on natural things again work by The O' was given. The O' is appropriate. about about taken data , composting processing place and quality to do help gave . Aerobic composting in the process plant leftovers, food husks and other organic what kind of microorganisms by oxygen in the presence of quickly decomposes . Anaerobic composting in the process without oxygen in the environment, organic materials methane and carbonate anhydride to the gas turn around .

Experience Results

Aerobic composting : Aerobic composting in the process , 10 kg of natural 8.7 kg of ecological waste clean no harvest It was high . efficiency something , because aerobic composting process microbial activity activating the materials fast and effective to break into pieces help .

Composting quality on his/her composition and temperature about criterion was . Obtained compost , high good quality no as village on the farm go away suitable it has been .

Ush process about 3 liters compost juicing harvest to be ecological clean product production release by created . Compost juices , plants in feeding and the ground human about with in enrichment useful .

Anaerobic composting : Anaerobic composting process for about biogas harvest to be This process , organic of materials methane and carbonate anhydride to the gas events provide , re recovering energy sources as biogas production to release union about by created .

Biogas production release in the process , anaerobic composting methodology other , its energy sources production in the release usefulness about good imagination harvest it happened , this technology , environmental clean energy sources to develop service do it .

Discussion

Composting Ecological Benefits : Aerobic and anaerobic composting processes about taken product national village farm for useful , maybe the environment protection It is also important to role Composting , they sign and land fertility about through eco-systematization ownership

Translation : Salted on the ground land quality improvement , growth conditions necessary , organic of materials to the ground return is all ecological relevant development .

Efficiency : Experience other this It turns out that 8.7 kg of compost is produced from 10 kg of waste . and 3 liters juice take , aerobic composting processing high place great . In this , organic things again work process very fast and effective it will be , this and production release process further economic relevant useful do it .

Anaerobic composting through production operation biogas and again recovering energy source as economic benefit to bring possible . Biogas production release process energy consumption to decrease and his/her ecological about to provide help .

Technological basics : aerobic and anaerobic composting to oneself typical events and then available . Aerobic composting , more fast and good quality fertilizer production to release service Anaerobic composting and biogas production release and about energy to take by event Two process together application , ecological click in providing effective things organization does .

Artificial mind and automated systems current to make it , to make it again work process optimization service to do possible . For example , processing the heat and Real -time humidity in mode following to go , compost quality improve by event

Figure 1. Aerobic and Anearob composting

Waste sorting and again Production : Plastic things then and again production , environmental the environment about in doing important site has . In the project plastic things relevant sorting for on the road to put and again work processes automation according to about take is being done . However, ecological things provide and about effective send it about service do it .

Conclusion

Experience other this It seems that aerobic and anaerobic composting technologies application national things children , maybe high good quality organic fertilizer and biogas production to release help This technology is connected , ecological click provide and again recovering

energy from sources send the movement event . In the project taken experience where , composting and biogas production release ecological and economic place confirms and she is methods for for good basis event

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