

RESEARCH INTO THE INVESTMENT EFFICIENCY OF MANURE SEPARATORS TO TREAT POLLUTION IN PIG FARMS

Nguyen The Hinh

Summary

To enable the livestock farms to sustainably treat environment pollution, the Low Carbon Agricultural Support Project (LCASP) targets technologies not only efficiently treat the environment pollution but also bring the investment return. The LCASP's pilot demonstrations of manure separators in Bac Giang and Phu Tho provinces initially bring economic and environment efficiency to the pig farms of over 2000 pigs. This investment not only brings high investment returns but also reduces the overloading of biogas plants, which is the main cause of pollution. The manure separators have been introduced in Vietnam for some years but not yet widely applied. The main reason is that the pig farms used too much water, which resulted to low operation efficiency of manure separators. The LCASP studied and designed the settlement tank to enhance the operation efficiency of manure separators to help extending the good technology of manure separator in Vietnam.

Keywords: *Manure separator, livestock environment pollution, LCASP, pig farm, settlement tank.*