



MICROBE-LIFT® Technology Treatment Saves Farm from Closure in Dominican Republic

Location: Company, Dominican Republic

Background: The Agrotel Company owns and operates a wholesale agricultural supply company as well as a swine farm in Moca, Dominican Republic. The farm maintains 450 to 500 sows and approximately 10,000 piglets. The barn wash-down and manure wastewater is collected, the solids are separated for feed and fertilizer, and the wastewater flows into a lagoon. There is no surface exit for runoff, but water does percolate through the soil and emit odors downstream.

Objective: In spite of superior design and management, odor from the waste lagoon was causing complaints from the surrounding neighbors and city authorities threatened to close the farm if the problem could not be resolved. Juan Carles Inea, the farm's operational manager, tried numerous odor control technologies and nothing worked. An exclusive international distribution partner for wastewater treatment, convinced Juan to try a simple treatment plan using **MICROBE-LIFT®** Technology.

Results achieved: With only one gallon per week using **MICROBE-LIFT®** Technology, they were able to eliminate the odors in the lagoon. In addition, the sludge build-up in the lagoon began to decrease to the point that they could use the water for crop irrigation in the surrounding fields.



Fig 1: Modern Agrotel Company Farm in Dominican Republic

After treatment, Juan was quoted as saying “**MICROBE-LIFT®** Technology saved my farm from being shut down”.



Fig. 2: Waste lagoon after treatment with **MICROBE-LIFT®** Technology shows improved water clarity and reduction in solids.



Based on their initial success, Juan is now using **MICROBE-LIFT®** Technology to improve their composting of carcasses. The compost system is in a series of concrete silos where carcasses are allowed to degrade in water. One liter of **MICROBE-LIFT®** Technology was applied every other week to the water in the silos and, after treatment, the runoff water was clean enough to be used to fertilize the fields surrounding the lagoon.

MICROBE-LIFT® Technology speeds the composting process while producing a value-added liquid fertilizer from the compost runoff. Juan also noted a significant reduction in flies due to the reduction of odor.

For more information on **MICROBE-LIFT®** Technology contact
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