

Mechanization in Managing Cattle Resources



Shri G.R.Sakthivel,
S/O K.Ramasamy Gounder,
149, Ganeshapuram,Gettavadi(P.o),Talavadi(Via),
Sathyamangalam(T.K), Erode District-638461
(Mobile : 09486316041)

Profile	
Age	46 years
Education	6th STD
Land holding	11.5 acres
Farming Experience	30 Years
Crops grown	Sugarcane, Turmeric, Banana
Livestock	Dairy animals and Bullock
Recognition:	<ul style="list-style-type: none">• KVK, Erode identified him as Farm Innovator and Resource Person• Member of SAC KVK, Erode• Member of Erode District Organic Farmers Federation• Received Farm innovator award from Mahindra & Mahindra, year 2012

Description of Innovation:

Mechanization in managing cattle resources (Dung + Urine) and reduce input cost in sugarcane cultivation developed by Mr. G.R. Sakthivel of Erode District. The filtering system consists of four compartments. The first section is meant for collection of cow dung and urine mixing. After through mixing the solution is being sent to second compartment for first filtration. In this compartment the solid matter is used for biogas production and the upper part solution is then allowed for next compartment where jaggery is added for fermentation. In the fourth compartment the clear enriched filtrated medium is collected and used for field though drip system.

Practical utility of Innovation:

By adopting this technology the farmer can save Rs.27, 000/acre by reduction of labour and fertilizers through application of recycled cow dung and urine solution by filtration techniques. Field application with drip irrigation instead of manual operation also adds advantage to the innovation. By adoption of this technology water holding capacity is increased, the earth worm multiplied well in the field. This crop would be allowed as ratoon for longer time, by the way it reduces the cultivation cost for subsequent years.

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Source:

Professor and Head

MYRADA Krishi Vigyan Kendra

272, Perumal Nagar, Pudukkottai, Tamil Nadu,

Gobichettipalayam, Erode.

Ph: 04285 -241626, 241727