

Simple Organic Liquid Manure Production Technique



Mr.P.Alagesan,
Thulasiammal Farm,
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Profile	
Age	38 years
Education	B.Com
Land holding	30 acres
Farming Experience	4 Years
Crops grown	Banana, Amla & Coconut
Livestock	Cows and Sheep
Recognition:	<ul style="list-style-type: none">• Honoured by KVK, Erode• Article published in The Hindu and other regional language newspapers

Description of Innovation:

Mr.P.Alagesan, farmer in organic farming practices, who developed an effective liquid manure manufacturing technology from the cattle resources such as cow dung and cow urine. Since he is a member of MYRADA KVK farmers forum, got the exposure and guided him to look for cost effective method in fertilizers management in organic farming practices.

Investment in agricultural inputs in dry-land and labour shortage is the key problem faced by him and this is the root cause for the development of this technology. He is a believer in organic farming says that the digestive material obtained from the cattle (i.e. cow dung and urine) are the raw material use in this technology for making the liquid organic manures. The basic principles behind this technology are fermentation and sedimentation process.

The cost of this technology may come around Rs.1500 only. By adopting this technique a farmer can save Rs.4000 – 20,000 / ha depending upon the crop cultivation. Apart from reduction in cost of cultivation, it increases the water holding capacity of the soil and improves the beneficial micro organism presence in the soil.

Practical utility of Innovation:

A simple barrel unit with a capacity of 200 litre is the chamber used for manufacturing liquid manures. Two outlets were fitted in the barrel at the height of 1½ feet and 2 feet from the bottom end and one more at the lower part of the barrel.

A fresh cow dung and urine was mixed in the unit at 1:1 ratio. Then add 10 parts of water is thoroughly mixed and allow it for fermentation process. This will take 12 hours, and then add 1 kg of jaggery for every 100 litre fermented solution. Again, it is allowed for fermentation and sedimentation process. (It is location specific, the farm level other waste input like Palmyra fruit also can be used for the fermentation process) The clear and enriched liquid organic manure is ready for field application in another 12 hours. He is mainly used this manure for field applications like Moringa, Coconut and Amla crops.



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Source:

Professor and Head

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