

Fermentation of cow urine for insect repellent and as plant nutrients



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This knowledge is traditional knowledge, collected by survey, verified in a community assembly, and validated according to the principles of organic farming (health, ecology, equity, precaution) by a committee of agroecology experts from outside the collection area.

This knowledge, carried by Isatou Jaiteh de Killy, comes from the indigenous community of Foni Bentang in The Gambia



Implementation context

Mealybugs are small, oval, sap-sucking insects related to mealybugs. They can be serious plant pests and can stunt plant growth, produce plant galls, transmit plant diseases, and cause deformation of leaves, buds, and flowers. Mealybugs can also weaken the plant by sucking sap, act as vectors of plant viruses, and disfigure ornamentals with honeydew deposits and subsequent sooty mold growth. Mealybugs can harm plants by draining them of their nutrients, causing yellowing or discoloration. These insects destroy the leaves of plants. Fermenting cow's urine helps to combat mealybugs and prevent viruses.

A background image of a cow with a rope tied around its neck, standing in a field. The image is dark and has a greenish tint.

Advantage

Mealybugs caterpillars and prevent viruses. These insects destroy the leaves of plants.

Environment

- The product does not pollute the atmosphere when sprayed
- The product does not pollute the soil during use as a nutrient

Economical

- Increases yield and income for producers
- Potential to be developed because it is not expensive

Description of the practice

Urine is toxic and odors do not intersperse insects to stay with plants and it kills some insects and diseases.

- It is very rich in plant nutrients
- One liter of fermented urine for two liters of water.
- Then, spray on the ground.



**1st
STEP**



**2nd
STEP**

- One liter of fermented urine for two liters of water

- Then, spray on the ground.

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