

Oil Conservation

Soil conservation promotes practices that stop the decline and, over time, improve soil quality. In general maintaining soil cover, living plant roots and limiting soil disturbance are the best ways to limit erosion

Plant Protection

The process involves spraying of biological concoction which prevent pest, disease and weed problems and protect the plant under natural farming

Principles of Natural Farming



Chemical Free Farming



Conservation of Natural Resource

Natural Farming



Maintain Soil Organic Matter



Natural Plant Protection

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Components of Natural Farming

Ecological Balance

Natural farming works with the natural biodiversity, encouraging the soils biological activity and managing the complexity of living organisms both plant and animal

Nutrient Cycle

Natural farming emphasize the right use of the right material, at the right stage in the right quality.

Indigenous Seeds

Indigenous seeds are grown by the farmers over the years with a strong influence from local natural factors. Such seeds have a higher level of intrapopulation variations and the capacity of buffering the adverse factors.

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एग्रीकल्चर फ़ोरम फॉर टेक्निकल एजुकेशन ऑफ़ फार्मिंग सोसायटी

कोटा, राजस्थान



Natural Farming

संकलन

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Plant Protection In Natural Farming

Jivamrit

Inputs needed

10 kg of fresh cow dung, 5-10 litre cow urine, 50 gram lime, 2 kg jaggery, 2 kg pulses' flour 1 kg uncontaminated soil and 200 litres water.

Preparation of Jivamrit:

The materials should be mixed in 200 litre water and stirred well. The mixture should then be allowed to ferment for 48 hours in shade. It should be stirred by a wooden stick twice, once in the morning and once in the evening. This process is to be continued for 5-7 days. The ready solution should be applied on the crops

Beejamrit

Inputs needed:

5 kg cow dung, 5 litre cow urine, 50 gram lime, 1kg bund soil, 20 litre water (for 100 kg seed)

Preparation of Beejamrit:

Take cow dung in a cloth and bind it using tape. Hang the cloth in 20 litre water for up to 12 hours. Simultaneously, take one litre water and add 50 gram lime in it, keep stable for overnight. Next morning, continuously squeeze the bundle in the water thrice, so that all the essence of cow dung is mixed in the water. Add soil, approximately 1 kg in the water solution and stir well then add 5 litre desi cow urine in the solution and limewater. 5-7 days. The ready solution should be applied on the crops

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Brahmastra

Inputs needed:

20 litre cow urine, 2 kg neem leaves, 2 kg karanj leaves, 2 kg custard apple leaves and 2 kg datura leaves.

Preparation of Brahmastra:

Take 20 litre of cow urine in a vessel and add 2 kg of fine paste of neem leaves, 2 kg of paste prepared from leaves of karanj, 2 kg paste of custard apple leaves, 2 kgs paste of castor leaves, and 2 kg paste of datura leaves into it. Boil it on a small flame, till one or two foams (overflow level). Stir in clockwise direction, then cover the vessel with a lid and keep on boiling it. After formation of second foam, stop boiling and allow it to cool for 48 hours so that the alkaloids present in the leaves are released into the urine. After 48 hours, filter solution using a muslin cloth and store it. It is better to store in pots. The solution may be stored for use up to 6 months

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CONCLUSION

Natural farming offers a sustainable and environmentally friendly approach to agriculture. It promotes soil health, biodiversity, and the production of healthy, chemical-free crops. By adopting natural farming practices, we can ensure a more sustainable future for agriculture and our planet. Natural farming focuses on preventing pest and disease outbreaks through healthy soil and diverse cropping systems. Beneficial insects like ladybugs and lacewings are encouraged as natural predators. Crop rotation and intercropping disrupt pest life cycles and reduce the need for chemical pesticides. Examples of successful natural farming initiatives include the "Zero Budget Natural Farming" in India. Natural farming requires continuous observation and adaptation to local conditions. Natural farming will meet the purity need of the society with the ecological balance



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