

Jeevamrutham: A Bridge Between Traditional and Modern Agriculture

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Summary:

Jeevamrutham is a natural organic liquid spray. Jeevamrutham is made by mixing cow dung and urine with water in a specific ratio. This mixture is then fermented for a certain period, usually around 7-10 days. During the fermentation process, beneficial microorganisms multiply and break down the organic matter, making it rich in nutrients. After fermentation, the liquid is filtered and diluted before being used as a fertilizer for plants. It helps improve soil fertility, enhances nutrient availability, and promotes healthy plant growth.

Introduction:

Jeevamrutham is a traditional organic manure. jeevamrutham is an organic fertilizer and it is a great replacement for chemical fertilizers. jeevamrutham is derived from two words jeeva-(living), mouth-elixer (medicine) up to extending life. according to an agricultural point of view, jeevamrutham is for crop life. Best culture to increase the count of microorganisms. mainly prepared from cow dung and cow urine to meet the nutritional requirements of crops. jeevamrutham is very easy to prepare and less in cost. this is effective and eco-friendly having great potential to enhance agriculture production. jeevamrutham is the best alternative that we can use in place of chemical fertilizers. jeevamrutham is a rich source of carbon, nitrogen, phosphorus potassium and many micronutrients. jeevamrutham is a cool drink for plants.it is super beneficial for improving soil fertility and providing essential nutrients to plants. As compared to other composts, jeevamrutham can be prepared very quickly and has proven to be a lot more effective and also can be used along with other manures. This can reduce excessive use of chemical fertilizers in the soil which causes low fertility of the soil. we should not use

chemical fertilizers, pesticides or weedicides for 20 days, before and after the use of jeevamrutham.

Generally recommended to use around 200-250 litres of jeevamrutham for one acre of land. Jeevamrutham is a natural liquid fertilizer. Jeevamrutham is a plant growth booster and improves PH levels in the soil. improves aeration and beneficial bacteria in the soil.



Fig 1.1: Ingredients of jeevamrutham.

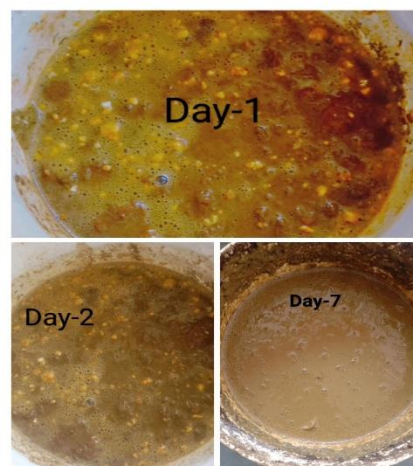


Fig 1.2 Day1-7

Materials and method for preparation of jeevamrutham :

The materials used in jeevamrutham are cow dung, cow urine, jaggery, flour from sprouted gram for optimal results from black gram, Bengal gram, soil and water. cow dung and cow urine are well-known fertilizers used by our ancestors for ages. The results of their fertilizers need no proof. jeevamrutham is for the goodness of these two items and enriches the yield of the crops and the soil it is planted in. Jaggery in jeevamrutham is used for plant fertility as well and increases drought resistance in plants. Preparation of jeevamrutham involves stages: first, we need to take a plastic barrel and add halfway with cow dung, then add cow urine, jaggery, flour, soil and water. after adding all the ingredients in the barrel we should blend the materials thoroughly and we used a cloth to cover the barrel. After the preparation of jeevamrutham, we should preserve it for 7 days and use it from the 8th day onwards directly in the field. the jeevamrutham should be mixed regularly. the benefit of mixing jeevamrutham helps in creating carbon monoxide, carbon dioxide, ammonia and methane during fermentation. the materials which are used in the preparation of jeevamrutham contain nutrient-rich microorganisms produced naturally in the environment. this jeevamrutham helps increase



useful nutrient in the soil it is a famous organic fertilizer and also increase the count of earthworms in the soil which is beneficial for soil fertility.

Things to know about jeevamrutham:

Jeevamrutham has many uses in agriculture. Acts as a natural fertilizer. Providing essential nutrients to soil and improve soil health. promoting growth and flowering along with acting as a yield enhancer (5-10% spray with water). jeevamrutham also helps to retain soil moisture in the soil, reducing the need for excessive watering. jeevamrutham is a sustainable and eco-friendly solution for healthier and more productive crops. can apply easily in the field. improves soil quality helps to absorb nutrients in plants also increases the activity of earthworms living in the soil. This is traditional organic manure which we can apply soil or liquid from directly in the field and improves the PH of the soil. so it is suitable for all crops. jeevamrutham is essential to soil fertility and it is a main component in the vermicompost an organic fertilizer which is very advantageous to the plants and also entails improving the quality of the soil, allowing plants to develop more quickly and producing more nutrition in the soil. Jeevamrutham should be stored for many days or weeks the materials we use also have their advantages like increasing nitrogen, and micronutrients, for better yield and maintaining our environment without polluting. Money invested in the preparation of jeevamrutham is 100rs. The cost of jeevamrutham is 50rs.

Conclusion:

Jeevamrutham maintains the soil health and fertility of the soil. healthy soil gives good productivity for crops. variety of benefits to use like less cost, being easily adaptable to poor farmers, environmental safety and good crop production. we should prefer organic fertilizer because this improves the quality and yield of soil and is not affected by any other harmful chemical fertilizers by preferring organic farming process in agriculture. jeevamrutham is rich in a source of beneficial microorganisms like nitrogen fixing and phosphate solubilizing bacteria, addition of such organic manure helps to promote pest and disease and improve plant growth promoting factors. Jeevamrutham preparation, nutrient composition, microbial populations and effect on growth and yield of plants. jeevamrutham is considered a miracle of natural farming as it is easy to prepare, composed of macro and micronutrients, and presents beneficial microorganisms like bacteria, actinomycetes and some fungi.

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