



Beejamrit and Ghanjeevamrit: Preparation and Application Techniques



Beejamrit

Beejamrit is a traditional liquid organic concoction commonly used for seed treatment in Zero-budget natural farming (now Subhash Palekar Natural Farming). It is a mix of cow dung, cow urine, water, lime and a handful of soil. Treatment with beejamrit making germinating plant to grow faster and healthily; as well as increasing immunity; preventing harmful microbes and insects from attacking the seed. The beneficial microorganisms present in beejamrit are known to protect the crop from harmful soil and seed-borne pathogens. Smearing of the seeds with beejamrit before sowing controls many diseases that attack the plant right from its seedling stage. In transplanted crops, saplings are dipped in the beejamrit before transplanting. The important beneficial microbial communities present in Beejamrit are bacteria, yeast, actinomycetes and certain other fungi.



Preparation of Beejamrit

Beejamrit is prepared using protocol given as below:

Take 5 kg fresh cow dung in a cloth and bound it by rope and hang this in a drum having 20 liter water, for 12 hours

Take one liter water in another pot and add 50 g lime in it, keep for a night

On next day, squeeze the bundle of cow dung for 2-3 times in the same water to extract most of its content

Add one handful of virgin soil, 5 litre cow urine and lime water and stir it well with wooden stick

Beejamrit is ready to treat the seeds



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Preparation of Beejamrit

Application of Beejamrit

Ready beejamrit can be used for treating the seeds. Twenty litre of beejaamrit is sufficient for treating 100 kg of seeds. After treatment, shade dry the seeds before sowing. Vegetative planting materials like rhizomes, stem, root cuttings, leaf cuttings, tuber etc. and roots of crop seedlings are dipped for 5 minutes in beejamrit before sowing.

Ghanjeevamrit

Ghanjeevamrit is a solid and condensed form of Jeevamrit. It is also a traditional organic concoction commonly used as soil microbial enhancer in Zero-budget natural farming (now Subhash Palekar Natural Farming). Like Jeevamrit, Ghanjeevamrit is also a rich source of bacteria, fungi, actinomycetes and it also contains other beneficial microorganisms. There are claims that, its application promotes crop growth by enhancing solubilization and availability of nutrients present in soil and organic manures. It is prepared by using simple on-farm inputs like cow dung, urine, pulse flour, jaggery and soil. Water is not used during its preparation that's why, it is in solid form. The sugars present in Jaggery acts as ready source of energy for growing microbes, while pulse flour (*besan*) acts as a nitrogen source in the formulation. Cow dung and urine provide nitrogen and other essential nutrients for growing microorganisms. Soil, cow urine and dung provide the culture of beneficial microbes in ghanjeevamrit.



Preparation of Ghanjeevamrit

For preparing Ghanjeevamrit, take 100kg of fresh cow dung. Spread the dung over a floor uniformly in 6-7 inches thick layer. Spread uniformly 2kg pulse flour, 2kg jaggery, one handful of virgin soil and 10 litres of fresh cow urine, one by one. Mix all the ingredients thoroughly and make small cakes (about 0.5-1kg) and spread over a plain surface in shade. Dry the Ghanjeevamrit cakes in shade for about one week and then make fine pieces of it. Store in a cool dry place for further use.



Application: Ghanjeevamrit is applied @250kg/ha once in soil during the land preparation before the sowing. It is suggested to apply Ghanjeevamrit along with 250kg of farm yard manure (FYM) for enhanced activity.

Disclaimer: Beejamrit and Ghanjeevamrit are traditional concoctions for use in natural and organic farming. Editors are not responsible for non-performance of any of the claimed benefits of the product and any hazards arising due to use of these products.

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