

Dairy mateTM

PANCHAGAVYA



KRISHIMATE AGRO AND DAIRY PVT LTD

[A venture of Sri Sai Agro Implements]

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Krishimate agro & Dairy PVT LTD

PANCHAGAVYA

1. Panchagavya

Panchagavya, an organic product has the potential to play the role of promoting growth and providing immunity in plant system. Panchagavya consists of nine products viz. cow dung, cow urine, milk, curd, jaggery, ghee, banana, Tender coconut and water. When suitably mixed and used, these have miraculous effects.

- Cow dung - 7 kg
- Cow ghee - 1 kg

Mix the above two ingredients thoroughly both in morning and evening hours and keep it for 3 days

- Cow Urine - 10 liters
- Water - 10 liters

After 3 days mix cow urine and water and keep it for 15 days with regular mixing both in morning and evening hours. After 15 days mix the following and panchagavya will be ready after 30 days.

- Cow milk - 3 liters
- Cow curd - 2 liters
- Tender coconut water - 3 liters
- Jaggery - 3 kg
- Well ripened poovan banana – 12 nos.

Ingredients of Panchagavya



Cow dung



Cow urine



Cow ghee



Milk



Water



Curd



Jaggery



Tender Coconut



Banana

2. Preparation

All the above items can be added to a wide mouthed mud pot, concrete tank or plastic can as per the above order. The container should be kept open under shade. The content is to be stirred twice a day both in morning and evening. The Panchagavya stock solution will be ready after 30 days. (Care should be taken not to mix buffalo products. The products of local breeds of cow is said to have potency than exotic breeds). It should be kept in the shade and covered with a wire mesh or plastic mosquito net to prevent houseflies from laying eggs and the formation of maggots in the solution. If sugarcane juice is not available add 500 g of jaggery dissolved in 3 liter of water.

Physico chemical and biological properties of Panchagavya

Chemical composition		
pH	:	5.45
EC dSm ²	:	10.22
Total N (ppm)	:	229
Total P (ppm)	:	209
Total K (ppm)	:	232
Sodium	:	90
Calcium	:	25
IAA (ppm)	:	8.5
GA (ppm)	:	3.5

Microbial Load		
Fungi	:	38800/ml
Bacteria	:	1880000/ml
Lactobacillus	:	2260000/ml
Total anaerobes	:	10000/ml
Acid formers	:	360/ml
Methanogen	:	250/ml

The products with their quantities and substitutes are:-

Cow milk- 2 litres

Cow curd- 2 litres

Cow urine- 3 litres

Cow ghee- ½ kg

Fresh cow dung- 5 kg

Sugarcane juice- 3kg (Substitute- 500 grams of jaggery in 3 litres of water)

Tender coconut water- 3 litres

Banana ripe- 12 numbers

Toddy or grape juice- 2 litres (Substitute 1 – 100 grams yeast powder with 100 grams jaggery in 2 litres of water kept for 30 minutes before use) (Substitute 2- 2 litres of tender coconut water kept in a closed plastic container for 10 days)

Panchagavya has to be prepared in a wide mouth container made of mud, concrete or plastic. The container should not be made of any metal.

The first step is to mix fresh cow dung and ghee in the container. Mix it twice a day for 3 days. On the fourth day, add the remaining ingredients to the container. Stir the mixture twice a day for the next 15 days. On the 19th day, the Panchagavya mixture will be ready for use.

3. Storing Panchagavya:

Panchagavya should be kept in the shade and be covered at all times. Care has to be taken that no insect falls in the mixture or lays eggs in it. To prevent this, the container should always be covered with a wire mesh or plastic cover.

Panchagavya can be stored for 60 days without any effect to its quality, provided that it is kept in the shade and is being stirred twice a day. In the event that the solution thickens over time, water must be added appropriately.

Dosage of Panchagavya:

For spraying:

3% of the solution in water i.e. 3 litres of Panchagavya to every 100 litres of water, is the most appropriate proportion for spraying.

For irrigation:

For irrigation, the amount of Panchagavya per litre should be 20 litres/acre.

For seed treatment:

Soak the seeds for 20 minutes in 3% Panchagavya solution in water before planting. Similarly rhizomes of turmeric or ginger and cutting of sugarcane should be soaked for 30 minutes before planting.

Frequency of use:

Before flowering- once in 15 days (two sprays)

Flowering stage- once in 10 days (two sprays)

Fruit bearing stage- once.

4. Usage:

- As a Prasad in temples
- A common usage is as a fertilizer and pesticide. Seeds can be treated with panchagavya. This was found useful in rhizome of turmeric, ginger and sugarcane and they yielded more. Helps in plant growth and immunity.
- The medicinal usage of panchagavya, particularly cow urine, is practiced in Ayurveda. Proponents claim that cow urine therapy is capable of curing several diseases, including certain types of cancer, although these claims have no scientific backing. In fact, studies concerning ingesting individual components of Panchagavya, such as cow urine, have shown no positive benefit, and significant side effects, including convulsion, depressed respiration, and death. Cow's urine can also be a source of harmful bacteria and infectious diseases, including leptospirosis
- Proponents claim it is an antibiotic growth promoter in the broiler diet, capable of increasing the growth of plankton for fish feed, the production of milk in cows, the weight of pigs, and the egg laying capacity of poultry chicken.
- It is sometimes used as a base in cosmetic products.