

## Panchagavya – traditional formula

Panchagavya is an ancient Vedic preparation used for human, animal and soil health. It consisted of 5 products of cow (dung, urine, milk, curd (yoghurt) and ghee (clarified butter). When these 5 ingredients are suitably mixed, they have miraculous effects. To enhance the efficacy of Panchagavya, sugarcane juice, tender coconut water, ripe banana and toddy or grape juice were added - depending on the availability of the materials.

### Step 1

Fresh cow dung	5 kg
Cow ghee	500 grams

Mix cow dung and ghee thoroughly in a container for 15 minutes three times a day for 3 days.

### Step 2

Cow milk	2 litres	
Cow urine	3 litres	
Cow yoghurt	2 litres	
Sugarcane juice	3 litres	(or 500 gr. of jaggery/raw sugar dissolved in 3 litres of water)
Tender coconut water	3 litres	
Ripe banana	12 pieces	
Toddy or grape juice	2 litres	(toddy is the equivalent to a naturally-fermented beer or a fruit juice that's been allowed to ferment in a closed container for 10 days. Another option is to put 100 grams of bakers yeast and 100 grams of jaggery in 2 litres of warm water. Add after 30 minutes)

On the 4th day, add the rest of the ingredients to a large mud or plastic container. Avoid using a metal container. Stir stir the contents twice daily for 15 days. The panchagavya preparation is ready after the 18th day. Keep the container in the shade and covered with wire mesh or a mosquito net to keep out insects.

As long as panchagavya is stirred regularly twice a day, it can be stored for 6 months without any deterioration of quality.

### Usage

- **As a foliar spray**  
For most crops, a foliar spray made with a 3% solution of panchagavya is very effective (3 litres of panchagavya in 100 litres of water). After adding the water, the panchagavya solution should be filtered to avoid clogging of the spray nozzle.
- **Through irrigation**  
Panchagavya solution can be mixed with irrigation water at the rate 20 litres/acre either through surface irrigation or drip irrigation systems.
- **Seed/Seedling treatment**  
To drench the nursery bed, soak seeds or dip seedlings, a 3% panchagavya solution is recommended. The soaking time for the planting materials is 20-30 minutes.

Based on Training Manual on Low Cost Organic Agriculture  
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