

BAMBOO VINEGAR AND ITS BENEFITS

Smt. Lovely Iawriniang, Myriaw Village, West Khasi Hills District

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Fig. Smt Lovely Iawriniang



Fig. Documentation in the form of oral interview

According to her experience, when bamboo vinegar is applied on flowers and their leaves, they grow and bloom better. A typical example is the Rose flower in her garden upon application of Bamboo vinegar it turned out to be healthy and blooms better and it also acts as a pests' repellent. She sprays on to the rose before it blooms. She also used to apply to crops like maize, Cabbage, Peas, Chayote Squash, Mustard, Potato, Tomato and have seen better result. Even the harvested maize can be sprayed with bamboo vinegar during storage in order to minimize the pests' infestation.



Fig. Healthy leaves of Potato as seen in the first three rows sprayed with Bamboo Vinegar (indicated with white line) as compared with the fourth row onwards where bamboo vinegar was not applied (indicated with Yellow line).



Fig. Bamboo vinegar was also sprayed on plants like Rose and Grape.

Before application, she used to dilute the bamboo vinegar with water. She used to mix 4-5 teaspoons (1/4th cup) of bamboo vinegar in 1litre of water. It happened once that she prepared a strong bamboo vinegar solution and when she applied to Cucumber, she suffered a huge loss due to the improper dilution. But when it comes to crops like Pumpkin, Peas she got better result because she performed the dilution of Bamboo vinegar in water properly.

According to her observation, leaves of various plants are healthy & strong upon the application of Bamboo vinegar. It can also be used as an ant repellent. She used to sell the bamboo vinegar @ 150/- rupees in a 500ml bottle.

In Myriaw village only few people apply bamboo vinegar to their crops. However, there are a large number of people who used bamboo vinegar as a medicine for their livestock. For improving the appetite of Pig, One spoonful of bamboo vinegar is mixed in one bucket of the diet once a week. Pig Mange (Extreme Dry skin conditions where pigs like to scratch a lot) & Pig Red spots can also be treated with raw vinegar just by soaking the cotton in raw vinegar and apply it onto the affected area. Even Dogs who suffered from skin diseases accompanied with hair loss can be treated with raw bamboo vinegar. The chickens which she reared have never contracted bird flu because prior to the month of March she used to mix bamboo vinegar in the chicken feed including the water in which they drink.

Bamboo vinegar also helps to ease gastric problems. According to her experience, diluted bamboo vinegar helps when consumed early in the morning before food. Psoriasis can also be treated with raw bamboo vinegar. She also used bamboo vinegar for curing Mosquito bites itch & swell in her children. Allergies in humans can also be treated with the diluted bamboo vinegar.

She also showed and demonstrate the working of some traditional tools like Grinding stone (Mawtylliat), Dehusking grains of rice (Dieng tylliat), Dao for cutting grass and firewoods (Wait Ot phlang & Wait thohdieng) & sickles (for harvesting paddy and for cutting grass).



Fig. Grinding stone (Mawtylliat riewhadem) made from one type of stone locally known as mawsohriew.



Fig. Dao with long handles (the lighter one for cutting grass and the heavy one for cutting fire woods).



Fig. Sickles for cutting grass and paddy harvest.



Fig. Diengtylliat for dehusking the grains of rice.

ANALYSIS REPORT

Item: Bamboo vinegar

Sl. No.	Particular/ Parameter	Result	Inference
1.	Colour	Reddish Brown	The bamboo vinegar is slightly acidic with 0.24% acetic acid with adequate amount of Phosphorus & Potassium. However Nitrogen source can be additionally added in the form of composts & Green manuring.
2.	Specific gravity	~1.0	
3.	pH	4.28	
4.	Wavelength scan of 6% aqueous solution between 160-600nm	Maximum absorption at 291 nm	
5.	% acetic acid	0.24%	

Additional Information: As per report obtained from Smti Lovely Lawriniang, Myriaw village, Eastern West Khasi Hills District, bamboo vinegar produced by her exhibits pesticidal properties and highly nutritional for both plants and livestock.

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