



## CARDAMOM FERTILIZER PACKAGE

### ECOFRIENDLY MANAGEMENT

Designing a cost effective fertilizer management practices are prerequisite for sustaining the cardamom yield. Indiscriminate application of chemical fertilizers will do more harm to the crop than applying no fertilizer at all. In addition, such an application will become a wasteful and expensive exercise. Hence it is absolutely essential that the planters follow a judicious fertilizer schedule to achieve satisfactory return and also reduce cost of cultivation. Whether fertilizer is applied or not organic manure is a must for cardamom crop.

Our firm products are designed exclusively for increasing the yield without damaging the soil and environment.

#### **General Recommendation for Cardamom in Kerala Region:**

A fertilizer dose of 30:60:30 kg/ha is recommended for gardens in Kerala mostly for the gardens under rainfed condition. 75: 75:150 NPK is the recommendation for the cardamom planted in irrigated condition.

Fertilizer is applied in two split doses. The first application during May will help in the production of suckers and development of capsules and the second application during late September will help the initiation of panicles and suckers. Only half the dose of fertilizer is to be applied during the first year and full does is given from second year onwards.

Cardamom being a surface feeder, deep placement of fertilizer is not advisable. The fertilizer is applied at a radius of 30 cm and covered with a thin layer of soil.

***Our products are not altering the normal fertilizer recommendation of the cardamom.***

**Proposed plans:**

If any cardamom plantations maintained under proper irrigation and soil management, biological NPK of 16-4-8 and 10-8-8 may replace the bulk application of acid forming fertilizers. PH buffered biological NPK is the best fit for Cardamom. Cardamom is a surface feeder; hence surface application of liquid Bio-NPK may be fit in the general recommendation of NPK. Trial may be undertaken to calculate the cost-benefit ratio to find out the suitable recommendation in cardamom fertilization program.

Neem cake application is the routine practices in cardamom plantations for the purpose of organic matter addition and also for explore its nematode and other pest and diseases control properties of neem. We can improve these practices by careful blend of neem with our firm humic acid. (Humic acid blend with high quality neem seed extract). Please see [www.agriinfotech.com](http://www.agriinfotech.com) and [www.agrineem.com](http://www.agrineem.com) for further details.

**OUR RECOMMENDATION**

We can follow last season recommendation tried earlier with our firm products. Kindly let me know the feed back of last year results. Also we need your Soil test values (range wise) is also useful for redesign the fertilizer recommendation.

General recommendation of our firm products:

**Soil Drenching:**

Soil application may be recommended for two times, one at the beginning of season and another application at the closure of the season.

3 to 5 ml of Humic acid plus 1-2 ml of microboost in 1-2 liter of water and drench over each clump.

Foliar Sprays: (Try different combinations) All combinations are found suitable for Cardamom.

1. 0.25 % Microboost (2.5 ml per liter of water) mixed with 2-3 ml of Seaweed extract spray at the May – June.
2. 1 ml of humic acid plus 2-3 ml of BioNPK 16-4-8 per liter of water and spray over the plants during early vegetative stage.

3. 1 ml of humic acid plus 2-3 ml of BioNPK 10-8-8 per liter of water and spray at pre-bloom and flowering stage is always increase the size of the fruit and in turn increased yield can be achieved.
4. 1 ml of microboost plus 2-3 ml of seaweed per liter of water also keeps the plant healthy and impart resistance in the plant system.

**Best results:**

1. Avoid application at noon or when the temperature is high.
2. Mix the products separately. **Do not premix any products together.** Pour each product separately onto the water.
3. Store away from direct sunlight

***Any Scientific Questions about these products and any soil fertility related problems!!!***

***Please contact:***

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