

**DEPARTMENT OF HORTICULTURE
COLLEGE OF AGRICULTURE**

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No.CA/HRC/

Dated- 21.7.07

Mr. A.K. Guin
Divisional Manager
Elegant fashion Fiber Chemicals Limited
D- 54 A, Defence colony, Jajmau
Kanpur- 208010

Dear Mr. Guin,

This has reference to the project of elegant fashion fiber Chemicals Ltd. in operation at this institute. Kindly find enclosed herewith the progress report of the experiments of mango conducted at Horticulture Research centre, Patharchatta, G.B.P.U.A. & T., Pantnagar for necessary action at your end.

Thanking you, with regards.

Your sincerely



(C.P. Singh)

Encl: Copy of the report

Progress Report

On

Effect of organic fertilizer (jinong humic acid liquid fertilizer and jinong seaweed organic fertilizer) on mango fruit yield and quality attributes.



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Govind Ballabh Pant University of Agriculture & Technology,
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Progress Report

On

Effect of organic fertilizer (jinong humic acid liquid fertilizer and jinong seaweed organic fertilizer) on mango fruit yield and quality attributes.

The experiment was conducted on 30 years old Dashehari mango bearing plants as per the technical procedure given by funding agency was adopted as follows.

1. One month before flowering:-

Soil around the stem should be made loose for about half a meter radius and 50 ml. Jinong Liquid and 15grms. Jinong Seaweed Granular should be mixed with around 15 liters of water and to be poured in the loose soil around the stem.

2. One month before flowering:-

Jinong liquid to be mixed with water in 1:1 ratio in required quantity to applied on 200 mm of stem height just above the soil, similar like painting application.

3. Just at the time of flowering:-

When the indication of budding start, a foliar application for drenching the plant with Jinong liquid 2-3 ml. and 3 ml. Plant Care (Herbal Pesticide) per liter of water to be sprayed.

4. During flowering stage:- (Caution)

There should be no spraying at all at this stage.

5. When small Fruits come:-

Fruits are 4-5 mm in size, since then till maturing one spray with Jinong liquid 1.5-2 ml. and 3ml. Plant Care per liter of water and 0.5-.075gm. Granular per liter of water combined to be sprayed in 3 weeks interval.

Findings :- The observations were recorded on fruit yield and quality attributes of the fruits. The treated plants gave 21.03% higher yield over the untreated plants. There was 10-12% increase over control in number of fruits, average fruit weight and average fruit volume. The fruit size (length and width) was also increase 15-23% over the fruits of control plants. There was increase in T.S.S. from 19-21% but reduction in acidity from 0.199% to 0.150%. The peel colour was enhanced by the application of organic fertilizer from yellowish- green to yellow with shining.