

**Protocol for Scientific experimentation of performance of Homeo Nutrient
"Chaitra-Ratham" on mango crop**

- 1) Name of the product: Chaitra-Ratham
- 2) No. of Application : 3
 - 1) Chaitra-Ratham-2 times
 - 2) Chitra-Rakshini-1 time
- 3) Period: One year
- 4) Time of application
 - a) Soil application of Chaitra-Ratham-in June-July
 - b) Soil application of Chaitra-Ratham in October
 - c) Foliar application of Chaitra Rakshini in December-January
- 5) Design: CRD
- 6) Plot size: 10 trees per treatment
- 7) No. of treatments:
 - 1) No Fertilizers or manures
 - 2) Chemical fertilizers (Recommended doses)
 - 3) Homeo nutrient both soil and foliar application
- 8) No. of replications: 3
- 9) Observations recorded
 - 1) Fruit set
 - 2) Number of fruits/tree
 - 3) Weight of the fruits
 - 4) Yield (Kgs/tree)
 - 5) Fruit set

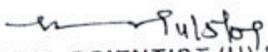
RESULTS

S.No	Treatments	Fruit set	No. of fruits/tree	Weight (g) of the fruits	Yield (kgs)/tree
1	No manures/Fertilizers	7.40	300.86	301.63	83.04
2	Chemical fertilizers	9.32	340.63	355.53	121.51
3	Homeo nutrient	13.49	291.63	319.97	104.97
	SEm	1.93	23.54	6.39	4.89
	CD	NS	NS	25.11	19.21

*Each data point is the average of 3 trees (standard plot size)

*Chemical fertilizers were applied as per the recommended doses.

There is no significant differences among the treatments with respect to fruit set and number of fruits per tree. This indicates that the fruit set and number of fruits per tree in homeo treated trees is at par / comparable with the trees with chemical fertilization. However, maximum fruit weight (355 g) was observed in trees treated with chemical fertilizers followed trees treated with homeo nutrient (319 g). The same patter was reflected in yield (kgs/tree). The yield with application of homeo nutrient was higher (104 kgs/tree) than the trees without fertilizer application (83 kgs/tree). However, maximum yield was obtained in the trees treated with chemical fertilization.


PRINCIPAL SCIENTIST (H) & HEAD
FRUIT RESEARCH STATION
Sangareddy, Dist. Medak (A.P.)


SENIOR SCIENTIST (HORT)
& AICRP (CTF) Incharge
Fruit Research Station
Sangareddy, Medak Dist