



## FERTILIZER MANAGEMENT IN COCONUT



### a) Fertilizer application

A fertilizer dose of 1000g nitrogen, 500g Phosphorous and 1000g of Potash per palm per year in three splits (June, October, and February) was recommended for coconut cultivation in sandy soils of the Konkan region of Maharashtra state.

### b) Fertilizer requirement for hybrid Coconut

On the basis of cumulative yield and economics following dose is recommended for coconut hybrid palm.

Age	Quantity of FYM kg/palm	NPK kg/palm/year		
		N (g)	P <sub>2</sub> O <sub>5</sub> (g)	K <sub>2</sub> O (g)
1st	10	200	100	400
2nd	20	400	200	800
3rd	30	600	300	1200
4th	40	800	400	1600
5th	50	1000	500	2000

The dose should be applied in three splits. 1/3 N and K<sub>2</sub>O, full dose of P<sub>2</sub>O<sub>5</sub> and FYM should be applied in the month of June and remaining 2/3 N and K<sub>2</sub>O is in two splits (October & February).

### c) Fertilizer application through micro- irrigation technique :

Application of 1 kg N, 0.5 kg P<sub>2</sub>O<sub>5</sub> and 1 kg K<sub>2</sub>O per palm per year (recommended dose) is recommended through drip irrigation in eight splits from October to May.

### d) Micronutrient application :

Application of recommended dose ( 1:0.5:1 Kg NPK/palm/year) with 1.5 Kg Ormichem Micronutrient ( Zn 3.15 %, Mg 1.8 %, Cu 0.65 %, Fe 1.97 %, Mn 2 %, Mo 0.05 % and B 0.68 %) recorded the maximum yield (129 nut/palm/year) in coconut and also the percentage increase in yield was higher in post treatment period yield when compared with pretreatment period yield.

Therefore the application of recommended dose of fertilizer with 1.5 Kg Ormichem micronutrient in three splits is recommended for adult coconut palm.

❖ *Photos*





