



CUSTOMISED NUTRITION MANAGEMENT FOR TOMATO CROP

Tomato is an important vegetable cash crop in our working territory. The growers are facing major challenges viz; unable to do the stage wise nutrient balancing, unable to optimise the dose of each nutrient needed for each growth stage, unaware about the dose of each application & its application interval and due to the alkaline & calcareous soils, uptake of nutrients is the major problem. Therefore, Mahadhan has brought the Customized Nutrition Solution for Tomato to overcome these challenges.

Following Q&As will provide the required details to help growers to take care of this aspect:

What are the critical growth stages of Tomato crop?

The following are the critical growth stages of Tomato crop

- 1) Vegetative to Flowering Stage (0 - 50 days after transplanting)
- 2) Fruit Setting to Fruit Development Stage (51-75 days after transplanting)
- 3) Fruit Maturity to Harvest Stage (76 -120 days after transplanting)

Note: Crop may extend up to 150 days i.e., fruit maturity to harvesting stage

In which proportion the nutrients are required during these growth stages?

The proportion of the nutrients required at each growth stage are as below,

- 1) Vegetative to Flowering Stage: High N, Medium P & Low K along with optimum dose of secondary & micronutrients.
- 2) Fruit Setting to Fruit Development Stage: Medium N, Medium P & High K along with optimum dose of secondary & micronutrients.
- 3) Fruit Maturity to Harvest Stage: Low N, Low P & very high K along with optimum dose of secondary & micronutrients.

In that case what is the most suitable Mahadhan product & what is their recommendation?

Mahadhan Tomato Special (17:14:09+TE; 13:12:19+TE & 09:08:28+TE) are the right products & scientifically customized solution to meet these requirements. The application schedule is as below,

Crop Growth Stage	Grade	Application Time (Days After Transplanting)	Dose (Kg/acre)
Vegetative Growth to Flowering Stage	17:14:09 + TE	10-50	50
Fruit Setting to Fruit Development Stage	13:12:19 + TE	51-75	50
Fruit Maturity to Harvest Stage	09:08:28 + TE	76-120	50

Note:

- 1) The dose at each application should be 5 Kg /acre at an interval of 4 days.
- 2) If the crop is extending beyond 120 days, then 09:28:28 is to be continued with the dose of 5 Kg / acre at an interval of 4 days till the last harvest.

What are the application benefits of these Mahadhan Tomato Special growers will get?

The growers will get the following application benefits of Mahadhan Tomato Special grades:

1. Early establishment of crop
2. Balanced Vegetative Growth
3. Branching from lower nodes & more no. of branches
4. Profuse flowering & heavy setting
5. Early & more no. of picking (overall total 25-30 picking)
6. More yield i.e., Minimum 20-25 % of yield improvement
7. Uniformity in Fruit size
8. More luster on fruit
9. Less discoloration (Tiranga) in fruit (Max. 5-10%)
10. Overall increase the immune system in the plant.

Which is the special feature of Mahadhan Tomato Special grades to solve the problem of nutrient uptake in soils with high pH & Calcium carbonate level?

Synergy among all nutrients in the Grades, very low pH & negligible chloride % is the special feature of Mahadhan Tomato Special grades which will help in better nutrient uptake of all the nutrients in soils with high pH & Calcium carbonate level.