

## Guidelines for June

- For establishment of new orchard suitability of the soil needs to be examined. The soil depth should be a minimum of 1 meter but equally high performance orchards can be established on soil depth measuring even less than 1 meter provided precision based cultural practices including the fertilization programme are adopted. The soil site should preferably be well drained, clay less than 60%, pH less than 8.3, free calcium carbonate less than 12% and water table of the area more than 2 meters should be selected.
- The pits excavated during the month of May may be filled up by a mixture containing 2 parts soil, one part sand and 1 parts farmyard manure. In addition, add 1 kg Single super phosphate, 1 kg of neem cake and 100 g Chloropyrifos powder in each pit.
- Nurseryman of citrus should start filling polythene bags with the mixture of garden soil, FYM and sand. Proper perforation for water should be done on the bags adequately.
- In case trees on stress received rainfall during stress period chlormequat chloride a growth retardant at the rate of 2 ml per liter of water should be sprayed on the trees. Second spray should be applied after 20 days.
- For increasing the fruit size of *Ambia* crop and if there is wide gap of more than a week between two spells of rains spray potassium nitrate at the rate of 1.5 kg + 2, 4, D 1.5 gms per 100 litres of water.
- Irrigate the trees for taking *Mrig bahar*, if rains are inadequate or not commenced on time. Drip system of irrigation can also be started to break the stress to the trees. To avoid water stagnation near the tree trunk, level the soil around tree trunk. Drainage channels (trenching size : 30cm depth, 45 cm top width and 30 cm bottom width) after each 2 rows of plants along the slope should be prepared to remove excess water from the orchard in rainy season. The laterals of drip system should be wound up. After monsoon starts the mulch from the tree basin should be removed.
- Apply Bordeaux paste on the tree trunks if not applied earlier to control *Phytophthora* disease on citrus. Prepare the paste by mixing 1 kg lime and 1 kg copper sulphate in 5 litres water separately overnight in a plastic container. Next day mix both the mixtures in another container so that the color of the paste is sky blue. Test the mixture by dipping iron rod to see presence of copper coating. Apply with paint brush on the tree trunk up to 24 inches from soil level. This paste should be applied within 12 hrs after mixing.
- During this month there is rapid spread of citrus canker hence the affected leaves, branches should be pruned and burnt. Spray copper oxychloride 180 gm with streptocycline 6 gm in 60 litres of water before the onset of the monsoon. Repeat the spray 3-4 times at an interval of 30 days.

- To check fruit drop of *Ambia bahar* spray the santra trees with 1.5 gms 2, 4-D or gibberelic acid (GA). 100 gms carbendazim 50 wp with 1 kg urea in 100 litres of water. Repeat the spray after 15 days if the fruit drop continues.
- Citrus trees affected with *Phytophthora*, spray Mefenoxam M Z-68 (Metalaxyl 4 % + Mancozeb 64 %) @ of 2.50 gm/ lit water as a preventive measure to control the disease.
- Incidence of Citrus Psylla on the new leaves of Mrig bahar can be managed by spray diamethoate 2 ml or imidacloprid 0.5 ml or quinalphos 1 ml or acephate 1 g thiamethoxam 0.3 g in one liter of water. Repeat second spray after 10-15 days interval.