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HORT-221 Production Technology for Fruit and Plantation Crops 2(1+1)

Theory

Importance and scope of fruit and plantation crop industry in India; Importance of rootstocks; Production technologies for the cultivation of major fruits-mango, banana, citrus, grape, guava, litchi, papaya, sapota, apple, pear, peach, walnut, almond and; minor fruits- Date palm, Ber, Aonla, Custard apple, Bael and Strawberry, pineapple, pomegranate, jackfruit, strawberry, plantation crops-coconut, arecanut, cashew, tea, coffee & rubber.

Practical

Seed propagation. Scarification and stratification of seeds. Propagation methods for fruit and plantation crops. Description and identification of fruit. Layout and planting of fruits and plantation crops. Preparation of plant bio regulators and their uses, Important pests, diseases and physiological disorders of above fruit and plantation crops, Fertilizer application in fruits and plantation crops Irrigation methods in fruits and plantation crops, Training and pruning of fruits and plantation crops, Weed management of fruits and plantation crops, Visit to commercial orchards.

Lecture schedule: Theory

S.N.	Topics	No.of lectures
1.	Importance and scope of fruit and plantation crop industry in India; Importance of rootstocks	1
2.	Production technologies for the cultivation of major fruits - Mango	1
3.	Banana	1
4.	Citrus	1
5.	Grape	1
6.	Guava and Litchi	1
7.	Papaya and Sapota	1
8.	Apple	1
9.	Pear and Peach	1
10.	Walnut and Almond	1

11.	Minor fruits- Date palm, Ber, Aonla, Custard apple, Bael and Strawberry	2
12.	Pineapple and Pomegranate	1
13.	Plantation crops-Coconut and Cashew nut	1
14.	Areca nut & Rubber	1
15.	Tea and Coffee	1

Lecture schedule: Practical

S.N.	Topics	No.of lectures
1	Description and identification of fruit	1
2	Seed propagation. Scarification and stratification of seeds. Propagation methods for fruit and plantation crops	3
3	Layout and planting of fruits and plantation crops	2
4	Preparation of plant bio regulators and their uses	1
5	Important pests of fruits and plantation crops	1
6	Important diseases of fruits and plantation crops	1
	Important physiological disorders of fruits and plantation crops	2
7	Fertilizer application in fruits and plantation crops	1
8	Irrigation methods in fruits and plantation crops	1
9	Training and pruning of fruits and plantation crops	1
10	Weed management of fruits and plantation crops	1
11	Visit to commercial orchards	1

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