



## A REVIEW

# Pruning and plucking equipments in horticulture : A review

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**Abstract :** The various growing techniques and production processes, required to work operations, technical procedures, appropriate techniques for soil management systems, orchard tractors, soil-working equipment, mulching and mowing equipment, post hole diggers, spreaders, sprayers, front-fitted knife trimmers, harvesting equipment, transporting equipment, shakers, harvesters, etc. are all included in modern horticultural mechanization. Harvesting, trimming and spraying still require manual labour and should be automated. In India, the typical farm power density is 1 kW ha<sup>-1</sup>. Timeliness is limited due to power availability during key operational periods. There is 3.75 kW ha<sup>-1</sup> of required power density is thought to be necessary to maintain timeliness of activities. The relevance of regional producers and global markets for machinery and equipment cannot be overstated. New production methods must be the focus of interdisciplinary research including plant scientists, engineers, food scientists, economics, and marketing professionals. The key to innovation is a deep grasp of the system. Certain crops require distinct growing techniques and only then can specialised machinery work. In this review different fruit plucking and pruning equipments were discussed along with the different processes involved for different crops harvesting characteristics.

**Key Words :** Farm mechanization, Farm power density, Horticulture crops, Pruning, Plucking

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