



RESEARCH PAPER

Testing of developed *Aonla* pricking machine

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Abstract : *Aonla* has hollowed position in Ayurveda. In India Uttar Pradesh has the highest area under cultivation and production of *Aonla*. Area under *Aonla* orchard in Pratapgarh district of Uttar Pradesh is about 13000 hectares. *Aonla* is mostly used in making *Murabba*, pickles and candy etc. Traditional method for making *Aonla murabba* is hygienic because for making *Murabba*. *Aonla* is used in India in form of *Murabba*, candy, pickles etc. *Aonla* pricking machine was developed in SHUATS, Prayagraj (formally Allahabad), (UP). This machine was developed for minimizing or approximately zero for pricking drudgery and increasing efficiency for pricking *Aonla*. Formally manually pricking machine for *Aonla* has causes human drudgery in hand so for root out this problem machine was developed in paddle operated form. For testing this machine 50kg of *Aonla* is pricked. Parameters of pricking was depth of pricking, percentage of total pricked *Aonla*, Efficiency of no. pricking of *Aonla* in 300 second. This machine was used stainless steel metal for preventing rusting with *Aonla* and all that parts which are comes in touch with *Aonla* fruit that are fabricated with stainless steel metal as we know that *Aonla* fruit is used for Eating purpose in form of pickles, murabba, etc so all the process like harvesting, processing, and packing has to be hygienic. The vitamin C content in *Aonla* varies from 200-900mg/100g depending upon the variety and size of fruit.

Key Words : Hygienic, Efficiency, Purpose, Drudgery, Fabricated

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