

INDIAN INSTITUTE OF NATURAL RESINS & GUMS, RANCHI

COMMERCIALIZABLE TECHNOLOGIES

Lac-based Fruit Coating Formulation for Kinnow



Lac-based fruit coating formulation for kinnow has been developed at this Institute. Its application produced good results in respect of gloss, spread area and provided firmness to the fruits. The formulation is natural and non-toxic and addition of fungicide is not required in its preparation compared to commercially available formulation in market due to inherent fungistatic property of lac.



Unlike commercial formulations, lac based formulation is operator friendly which means it doesn't produce any obnoxious smell during operation in the waxing plant. Since it is water based emulsion, hence can be used in waxing plant combining washing and wax treatment in one operation.

- Capacity – 100 litre/day (single shift)
- Machinery & Equipments - ₹ 1 Lakh (approx.)
- Retail price of lac-based formulation (10% solid content, safe) works out to be cheaper due to lower input (raw material)