



## RESEARCH PAPER

# Adoption of arecanut based cropping system technologies by farmers of Uttar Kannada district of Karnataka

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**Abstract :** The study was conducted in Uttara Kannada district which comes under the jurisdiction of UAS, Dharwad during the year 2022-2023, to study the adoption of arecanut based cropping system technologies of UAS Dharwad by employing *ex-post facto* research design and using simple random sampling technique in Uttar Kannada districts of Karnataka constituting a total sample size of 120 farmers. Majority (69.16 %) of them adopted Sirsi local variety, cent per cent of them planted 12-18 months old seedlings, majority (69.16 %) of them planted seedlings in may-august, large majority of them followed a spacing of 2.7x 2.7, More than half (55.83 %) of them adopted 90x90x90 cm pit size, 39.17 per cent of them followed square and triangle layout of plantation, 36.66 per cent of them followed multiple cropping with banana, large majority (81.66 %) of applied recommended dosage of FYM, more than two fifth (45.00 %) of them followed ring method of fertilizer application, large majority (79.16 %) of them adopted sprinkler drip irrigation, more than half (51.66 %) followed recommended depth of drainage, more than half (57.50 %) of them used Bordeaux mixture spray for bud spot control, more than two fifth (44.20 %) of them dug trenches for foot rot disease control, large majority of them (96.67 %) used phorate granules for spindle bug control, 30.00 per cent of them used dimethoate for mites' control, tender nuts during July-December by majority, ripen nuts were harvested during Dec-March by 49.17 %. Large majority (89.16 %) of them manually harvested the areca nuts. Majority (68.33 %) of them of them adopted kalipak method of harvesting. More than two fifth (41.66 %) of them belonged to medium adoption level category, 30.84 per cent of them belonged to low and 27.50 per cent of them belonged to high adoption level category respectively.

**Key Words :** Adoption, Arecanut based cropping system, Production technology

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