

PROJECT INFORMATION

All India Co-ordinated Research Project on Cashew

PROJECT OVERVIEW

Funding Agency	ICAR-DCR, Puttur
Total Outlay	Rs. 4.5 lakhs
Duration	5 years (2026-2031)
Single / Multi-Institutional	Single
Principal Investigator	Dr. Akula Chinapolaiah, Senior Scientist (SPMAP)
Co-Investigators	Nil

RATIONALE

Cashew is an important commercial horticultural crop in Goa and contributes significantly to the livelihood and income of small and marginal farmers. Goa has a substantial area under cashew cultivation; however, the productivity remains relatively low compared with the national average and leading cashew-growing states. The productivity gap is mainly associated with traditional orchards, use of heterogeneous planting material, inadequate canopy and nutrient management, pest and disease incidence, and climate-related stresses.

RESEARCH GAPS

Climate-resilient and high-yielding cashew genotypes for coastal Goa.

OBJECTIVES

- Collection, evaluation, characterization and conservation of germplasm.
- Hybridization and selection.
- Evaluation of promising bold nut, bigger size apple types and high yield cashew genotypes.

ACTIVITIES

- Survey, exploration and collection of germplasm.
- Characterization and evaluation of germplasm.
- Hybridization and selection.
- MLT.VI Trail Evaluation.

- Biochemical estimation

EXPERIMENTAL DETAILS

Treatment:	20
Fertilizer Doses	500 g N: 125 g P: 125 g K
Variety	Goa local collections
Replications:	3
Observations:	Morphological and biochemical characters
GPS Coordinates:	15 29 22 N and 73 55 10 E

EXPECTED OUTPUT

Development and validation of location-specific technologies for improving cashew productivity, quality and profitability in Goa through evaluation of superior germplasm, development of high-yielding genotypes.

EXPECTED OUTCOME

The project has contributed to the identification and release of improved cashew varieties, conservation and characterization of genetic resources, strengthening of nursery and demonstration programmes, and dissemination of improved technologies to farmers, thereby supporting enhanced productivity, profitability and sustainability of cashew production.

FIELD INFORMATION

When the field was developed:	2022
What are crops being cultivated season-wise:	NA
Soil type:	lateritic soils
Soil pH, EC, OC:	6.12, 0.28 and 1.5
Soil depth:	NA
Soil NPK and Micronutrient status:	256.09 kg ha N, 14.11 kg/ha, 74.81 kg /ha K
Common pests and diseases:	Cashew stem and root borer, Tea mosquito bug