

PROJECT INFORMATION

AICRP on PIG

PROJECT OVERVIEW

Funding Agency	ICAR
Total Outlay	60 lakhs
Duration	Since March 2001 and On-going
Single / Multi-Institutional	Multi-Institutional
Lead Centre if Multi-Institutional	ICAR-NRC on Pig, Guwahati
Cooperating Centre(s)	ICAR-CCARI, Goa
Principal Investigator	Dr. Amiya Ranjan Sahu
Co-Investigators	Dr. Gokuldas P.P, and Dr. Nibedita Nayak

RATIONALE

The AICRP on Pig, Goa Centre focuses on developing improved crossbred pig varieties and promoting elite germplasm to west coastal states, to support the genetic improvement of pigs, reduce mortality, enhance litter size, and improve livelihoods of small-scale farmers through scientific pig farming.

RESEARCH GAPS

Improvement for low body weight of indigenous pigs, Artificial insemination for breeding at farmers' flock, Disease outbreaks and low herd strength.

OBJECTIVES

- Genetic improvement of body weight and litter performance of crossbred pig variety.
- Artificial insemination for breeding of pigs.
- Establishment of multiplier breeding farms.
- Capacity building of farmers and transfer of pig-rearing technology.

ACTIVITIES

Maintenance of 40 sows and 15 boars of the Goya pig variety; breeding of sows through Artificial Insemination @ 1:3 boar-to-sow ratio; recording of body weights at birth, weaning, and monthly intervals up to 10 months; documentation of litter size, litter weight, and farrowing data; monitoring of pre/post-weaning liveability; weaning of piglets at 30 days with microchip-tagging; feeding of age-specific concentrate rations (starter, grower, finisher); regular deworming and CSF vaccination; biosecurity measures; farmer training and demonstration programmes; and provision of AI services at farmers' doorsteps.

EXPECTED OUTPUT

Variety:	Goya pig
Observations to be Recorded:	Recording of body weights at birth, weaning, and monthly intervals up to 10 months; documentation of litter size, litter weight, and farrowing data; monitoring of pre/post-weaning liveability; weaning of piglets at 30 days with microchip-tagging; feeding of age-specific concentrate rations (starter, grower, finisher); regular deworming and CSF vaccination; biosecurity measures; farmer training and demonstration programmes; and provision of AI services at farmers' doorsteps.
GPS Coordinates of Field (Lat , Long):	15.4954486, 73.9176863

EXPECTED OUTPUT

Development and release of the pig variety with improved litter size, higher birth weight and market weight; production of elite piglets for supply to farmers; Establishment of multiplier breeder farms.

EXPECTED OUTCOME

Promotion of scientific pig farming across Goa and nearby coastal states, Improved livelihoods and nutritional security of farmers through establishment of breeding units.

FIELD INFORMATION

When the field was developed:	Project started in 2001
Common pests and diseases:	Classical Swine Fever, African Swine Fever, Piglet anaemia, etc.