

**Agricultural Experimental Farm
Institute of Agricultural Science
University of Calcutta**

Background

University of Calcutta has its Agricultural Experimental Farm at Baruipur functioning with 67 acres of land since 1967. The Farm provides valuable technical knowhow expertise to the students, research scholars, entrepreneurs and agricultural inputs to the farmers of the adjoining areas of the South 24 Parganas district . Among other important functions, providing high quality grafts of the fruit trees and high quality paddy seeds to the farmers need special mention. In addition to the above, we are conducting different field trials on fertilizer management, crop improvement, nursery management, varietal improvement and pest management etc. for the students of both M.Sc. and Ph. D level. Experimental trials on vegetable and floricultural crops are also undertaken at the Farm.

INFORMATION ABOUT THE FARM

1. **Year of establishment** : 1967
2. **Total area of land** : 67 acres
3. **Location**: Balarampur (Subuddhipur), P.S.-Baruipur, District- South 24 Parganas.
4. **Land situation**: About 65 % of the total land of the Farm is low land and suitable for *kharif* rice cultivation. 15 % has been utilized for building and road of the Farm. 20% upland has been used for orchard development and experimentation on vegetable.
5. **Infrastructural facilities**:
 - a) Well equipped laboratory for soil and water analysis (Physical, chemical and microbiological).
 - b) Seed storage chambers.
 - c) Automated meteorological observatory linked to Indian Meteorological Department, Govt. of India.
 - c) Farm implements like tractor, powertiller, pump set, seed grader, paddy reaper, etc.
 - d) Threshing floor (both shaded and open).
 - e) Shade house for plant propagation of horticultural crops.
 - f) Staff quarters, student hostel including class room.

- g) Ponds, shallow tube well and deep tube well for irrigation water.
- h) Modern green house under construction.

5. Farm Manager- Dr. Sudipta Tripathy

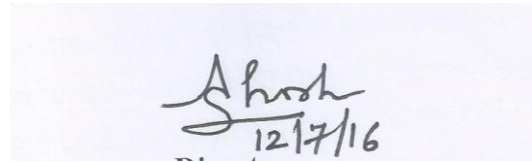
6. Present activities of the Farm

- a) Conducting different field trials of the students for the fulfillment of their M. Sc (Ag) and Ph. D degree.
- b) Conducting field trials for other departments of the University, viz., Botany, Environmental Science etc.
- c) Foundation and Certified paddy seed production and marketing.
- d) Production of graft of different fruit crops.
- e) Maintenance of germplasm of Mango, Guava, Sapota, Litchi etc.
- f) Vermicompost production and quality assessment.
- g) Improvement of varieties of different crops, viz. rice, sesame etc.
- h) Floriculture practice on experimental basis.
- i) Analyzing quality of soil, irrigation water, compost and fertilizers in laboratory.
- j) All India Co-ordinated Sesame Improvement trial, ICAR: Since 2004 the trials are being conducted for Rabi/summer season. Recently, two entries namely CUSM 17 and CUH 56 developed from this Farm have been promoted for AVT trials.
- k) Several rice varieties have been developed and are in process of giving entries. The trials of AICRIP, will also be conducted in this Farm from this year onwards as voluntary centre.
- l) Germplasms of Mango, Guava, Sapota and Litchi are maintained.
- m) Retting of Jute through improved microbiological technique has been done in this Farm. Microbes have been identified and characterized.

7. Future plan

- a) Breeding centre for Mustard and Maize apart from Rice and Sesame.
- b) Hybrid Rice Development and production centre.
- c) Technology development for organic farming.
- d) Integrated management practice for crops in South 24 Paraganas.

- e) Centre for germplasm conservation and management of horticultural crops growing in the region.
- f) Popularization of cost effective seed priming agents among farmers for mid/long term storage of seeds.
- g) Soil map construction (plot wise) for nutrient status of Baruipur Farm.
- h) Large Scale Production of Vermicompost
- i) Development of Farmers' Training Centre

A rectangular box containing a handwritten signature in black ink. The signature appears to be 'Shreshth' and is followed by the date '12/7/16' written below it.

Director
Institute of Agricultural Science
University of Calcutta