

MANDATE

- To study the agricultural climate in relation to crop planning and assessment of crop production potentials in different agroclimatic regions
- To establish crop-weather relationships for all the major rainfed and irrigated crops in different agroclimatic regions
- To evaluate the different techniques of modification of crop micro-climate for improving the water use efficiency and productivity of the crops
- To study the influence of weather on the incidence and spread of pests and diseases of field crops
- To provide weather-based agro advisories using medium range weather forecasts and ICT

MISSION

To reduce weather related risks in agriculture and enhance production and income of farmers through agrometeorological research and advisory services

VISION

To develop forewarning systems for extreme weather events and issue mitigation strategies through micro level agromet advisories for minimizing production loss in major crops and cropping systems of the country

SIGNIFICANT ACHIEVEMENTS

- The crop growing environments of five states, viz., West Bengal, Odisha, Kerala, Rajasthan and Chhattisgarh were characterized at very finer spatial scale using micro level (taluka level) data. The Agroclimatic Atlas for these states were prepared and published.
- Agrometeorology of major crops grown in 13 cooperating centres were characterized and technical bulletins were published using long term field experiment data.
- District level crop weather calendars for major crops of India were prepared and published.
- Impact of climate change on rice productivity at regional scale was attempted using DSSAT crop simulation model
- In association with India Meteorological Department, during southwest monsoon season 2015, 19 National Agromet Advisory Service (NAAS) bulletins and 17 AICRPAM bulletins were issued. Apart from this, agromet advisories

for weather extremes were issued as contingency bulletins

- To create awareness among farmers on climate change and its impact on agriculture, 31 programs were conducted by different cooperating centers of AICRPAM across the country benefitting, 6178 farmers (4275 men and 1903 women)

LOCATIONS OF REGIONAL STATIONS

Nil

FIVE BEST TECHNOLOGIES/PRODUCTS

- WeatherCock¹⁵ was developed to analyze climatic data for characterizing crop growing environments. So far, more than 250 scientists were imparted on hands training on the use of the software
- A biometeorological analysis of summer heat wave during May 2015 was done using concept of Physiologically Equivalent Temperature making use of half hourly automatic weather station data

NEW INITIATIVES

- Status of southwest monsoon, progress in *kharif* sowing and agromet advisories for deficit and excess rainfall areas were telecasted weekly through DD-Kisan
- Output oriented capacity enhancement program was initiated for scientists of cooperating centres

COLLABORATIVE PARTNERS

AICRPAM has established strong linkages with national and international organization like, ICRISAT, SAUs, DST, IMD, NRSC, state line departments, ICAR institutes, AIC, KVKs etc.

FLAGSHIP PROGRAMMES

- NIL

THRUST AREAS FOR XII PLAN

- Updating regional data bases by collecting data from more stations and crops of respective regions/states
- Preparation of region/state-wise Agroclimatic Atlases
- Extreme weather events and their impact on agriculture

- Extension of crop weather relationships studies to vegetable crops, horticulture and floriculture
- Development of weather based expert systems and weather indices for crop insurance
- To analysis of past data for developing forewarning systems and DSS
- Issuing Agromet Advisory Services at block level

**EXTERNALLY FUNDED PROJECTS/
CONSULTANCY**

Foreign aided projects: NIL
Other sponsored projects: NIL
Consultancy: 3

STAFF STRENGTH

	Sanctioned	Filled	Vacant	% vacant
Scientific	37	31	6	83.8
Technical	62	40	22	64.5
Administrative	12	10	2	83.3
Supporting	-	-	-	-
Total	111	81	30	73.0

QRT

Period: 2006 to 2010

Chairman: Dr. H. P. Singh

Next QRT due for: 2011 to 2015

PUBLICATIONS (PREVIOUS YEAR)

No. of papers in NAAS rated journals:

(a) No. of paper in score < 6: 24

(b) No. of papers in score > 6: 42

Per scientist per year papers: 1.8

FINANCIAL OUTLAY (AICRP-AM) (Rs. in lakh)

	XI Plan actual utilization	XII Plan Outlay	Last year budget (2014-15)		
			RE	Actual expenditure	% utilization
Plan	1905.00	4225.00	765.81	765.81	100.00
Non-plan	219.23	499.00	56.00	55.99	99.98
Total	2124.23	4724.00	821.81	821.80	

Project Coordinator:

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