

## MANDATE

- To undertake basic and strategic research for developing strategies for efficient weed management in different agro-ecological zones.
- To provide leadership role and coordinate the network research with state agricultural universities for generating location specific technologies for weed management in different crops, cropping and farming system.
- To act as repository of information in weed science.
- To act as a centre for training in research methodologies in area of weed science and management.
- To collaborate with National and International agencies in achieving the above objectives.
- To provide consultancy.

## MISSION

To provide scientific research and technology in weed management for maximizing the economic, environmental and societal benefits for the people of India

## VISION

Developing innovative, economic and eco-friendly weed management technologies to contain challenges ahead for sustainable agriculture and other societal benefits

## NEW INITIATIVES AND MAJOR ACHIEVEMENTS

- Developed National database on weeds.
- Appropriate weed management practices developed for different agro-ecological situations of the country.
- Pinoxaden, a new weedicide, found effective for controlling grassy weeds especially *Avena ludoviciana* and *Phalaris minor* in wheat.
- A safe rust bio-agent (*Puccinia* sp. isolate NRCWSR-3) identified for the control of exotic weed Velvet bush (*Lagascea mollis*) spreading fast in India.
- A combination of bioagent i.e. *Neochetina* spp. (weevil) released (500-1000 adults /pond along

with spray of glyphosate gave complete control of water hyacinth.

- Standardized mass rearing of bioagent *Zygogramma bicolorata* for early control of *Parthenium*.
- A weed collector unit was developed for engine-operated aquatic weed cutter / harvester.
- Design of weed assisted wastewater bioremediation system for irrigation use patented.

## LOCATIONS OF REGIONAL STATIONS

- Nil

## FIVE BEST TECHNOLOGIES/PRODUCTS

- Integrated weed management in major crops, viz. rice, wheat, maize and soybean
- Non-chemical methods of weed management in organic farming systems and high-value crops
- Weed management in wheat under conservation agriculture
- Biological control of *Parthenium*
- Weed Atlas and weed identification tools

## COLLABORATIVE PARTNERS

The Directorate in the nodal agency for coordination of research and training in the field of weed management, and also acts as a repository of information in weed science in the country. It offers research and training to research scholars, shares expertise and provides consultancy to the staff and students of SAUs, ICAR Institutes, KVKs, NGOs, herbicide industries and other stakeholders.

## FLAGSHIP PROGRAMMES

- Developing weed management technologies in diversified cropping systems under conservation agriculture
- Biology and management of problem weeds identified at the state and national level

### THRUST AREAS FOR XII PLAN

- Development of sustainable weed management practices in diversified cropping systems
- Crop-weed dynamics and management under the regime of climate change and herbicide resistance
- Biology and management of problematic weeds in cropped and non-cropped areas.
- Monitoring, degradation and mitigation of herbicide residues and other pollutants in the environment.

### EXTERNALLY-FUNDED PROJECTS / CONSULTANCY

- Foreign aided projects: Nil
- Other sponsored projects: 5 (NFBSFARA, DBT, MPBT, CRP on CA)
- Contract research projects: Nil

### STAFF STRENGTH

	Sanctioned	Filled	Vacant	% Vacant
Scientific	27	13	14	51.85
Technical	23	22	01	4.34
Administrative	13	09	04	30.76
Supporting	22	21	01	4.55
Total	85	66	19	22.35

### QRT

Period: April 2006 to March 2012

Chairman: Dr. S. C. Mudgal

Next QRT due for: April 2012 to March 2017

### RAC

Period: September 2015 to August 2018

Chairman: Dr. D. M. Hegde

### IMC

Period: July 2015 to July 2018

Chairman: Dr. A. R. Sharma

### RFD & COMPOSITE SCORE FOR 4 YEARS

Year	2012-13	2013-14	2014-15	2015-16
Score	98.0%	97.83%	97.60%	98.19%

### STATUS OF ISO 9001

Certified from Global Certification Services, Bhopal on December 21, 2013 for a period of 3 years

### PUBLICATIONS (2015-16)

No. of papers in NAAS rated journals:

(a) No. of papers in scores < 6 : 5

(b) No. of papers in scores > 6 : 5

Total: 10

Per scientist per year papers: 0.77

### FINANCIAL OUTLAY

For Main Institute (Rs. in lakhs)

	XI Plan (Actual utilization)	XII Plan (Proposed)	Last year budget (2015-16)		
			RE	Actual expenditure	% Utilization
Plan	989.73	1450.00	280.00	279.90	99.96
Non-Plan	2223.50	4794.60	705.00	695.72	98.68
Total	3213.22	6240.60	985.00	975.62	99.04

For AICRP on Weed Control

(Rs. in lakhs)

	XI Plan (Actual utilization)	XII Plan (Proposed)	Last year budget (2015-16)		
			RE	Actual expenditure	% Utilization
Plan	3548.78	6525.00	780.00	779.80	99.97
Non-Plan	-	-	-	-	-
Total	3548.78	6525.00	780.80	779.80	99.97

For Main Institute + AICRP on Weed Control

(Rs. in lakhs)

	XI Plan (Actual utilization)	XII Plan (Proposed)	Last year budget (2015-16)		
			RE	Actual expenditure	% Utilization
Plan	4538.51	7805.00	1060.00	1059.7	99.97
Non-Plan	2223.50	4794.60	705.00	695.72	98.68
Total	6762.01	12599.6	1765.00	1755.42	99.45

### RESOURCE GENERATION FOR LAST 3 YEARS

(Rs. in lakhs)

2013-14	2014-15	2015-16
44.81	41.98	36.57

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