

PGR Management and Use – COMPONENT I

Annual Progress Report for the year 2014-15

1. **Name of the Crop:** Chickpea

2. **Name of the collaborating centres:**

Pulses Improvement Project, MPKV Rahuri-413 722 (M.S)
Punjab Agricultural University, Ludhiana, Punjab
ARS, Kalaburagi
G. B. Pant University of Agriculture & Technology, Pantnagar

3. **Name of Nodal person with designation:**

Dr.M.R. Bedis, Principal Scientist,
Dr. Sarvjeet Singh, Sr.Plant Breeder-cum-Incharge (Pulses)
Dr. D. M. Mannur, Project Director, AICRP on Chickpea
Dr. Meena Agnihotri

4. **Number of accessions received from ICAR-NBPGR:**

MPKV, Rahuri: 1006
PAU, Ludhiana: 736
ARS, Kalaburagi: 736
GBPUA&T, Faizabad: 736

5. **Number of accessions sown for characterization/multiplication:**

MPKV, Rahuri:1006 (For multiplication)
PAU, Ludhiana: 736
ARS, Kalaburagi: 736
GBPUA&T, Faizabad: 736

6. **Number of accessions germinated as data were recorded:**

MPKV, Rahuri: All Accessions were germinated, however, 71 accessions were severely affected by F. Wilt. Hence 935 accessions seeds harvested and submitted.

Ludhiana: 736

ARS, Kalaburagi: 733

GBPUA&T, Faizabad: 736

7. **Experimental design:** Augmented

8. **Checks used:**

MPKV, Rahuri: Vijay, Digvijay, Vishal
PAU, Ludhiana: L 550/C 214
ARS, Kalaburagi: Annigeri; JG 11; ICCV-10 and BG-256
GBPUA&T, Faizabad: PG 186, L550

9. Details of the characterization:

Sl. No.	Name of the Centre	No. of accessions characterized/ multiplied	Date of sowing (From – to)	No. of descriptors *	Date of harvesting (From – to)	Date of dispatch of data and seed material to NBPGR	
						Seed	Data
1	Pulses Improvement Project, MPKV, Rahuri	1006 (For multiplied)	28.11 2014	-	18-22 April - 15	19.6. 2015	Only multiplication
2	PAU, Ludhiana	736	17-11-2014 (AB) 05-02-2015 (BGM)	Two (AB and BGM)	15-04-15 (AB)	Yet to dispatch	-
3	ARS, Kalaburagi	733	Agronomy Trial: 16-10-2014 & 17-10-2014	5	10:02:2015 to 25:02:2015	Not sent	27-07-15
		733	Drought Trial: 28-10-2014 & 29-10-2014	5	24:02:2015 to 10:03:2015		
4	GBPUA&T, Faizabad	736	4/12/2014	01(Pod Damage)	1/5/2015 2//5/2015		

*Please attach the list of descriptors/descriptor status

10. Detailed report on salient achievements of characterization with details of promising lines identified for important characters:

MPKV, Rahuri: Only multiplication

PAU, Ludhiana: A total of 736 entries were screened against Ascochyta blight and only EC 267154, EC 267240 and EC 28345B showed moderately resistant reaction with score of 5.0 under artificial conditions created in the field. Similarly a total of 736 entries were also evaluated for BGM and only IC 83522, IC 83523, IC 83524, IC 83525, IC 83536 and IC 83720 showed moderately resistant reaction of 4.0 whereas 71 entries showed reaction of 5.0 under artificial conditions.

ARS, Kalaburagi: There were 8 Entries identified as tall types and conducted Preliminary yield trial during 2015-16. There were 5 Entries identified as Chinoli (small seed) types and conducted Preliminary yield trial during 2015-16.

GBPUA&T, Pantnagar: Nil.

11. Details of monitoring:

Sl. No.	Name of the Centre	Date of monitoring	Crop stage at the time of monitoring	Monitoring team members
1	MPKV, Rahuri	19.12.2014	Branching stage	Dr.Shivsewak Principle Scientist IIPR, Kanpur.
2	PAU, Ludhiana	-	-	-
3	ARS, Kalaburagi	28-03-2015	Physiological maturity stage	Dr. V. Jayalakshmi and team of ARS, Nandyal
4	GBPUA&T, Pantnagar	-	-	-

12. Papers Published:

- (i) Papers published in peer reviewed journal (NAAS rating may be given) ---
- (ii) Papers presented at scientific meetings: ---
- (iii) Manuscripts under preparation: ---

13. Patents/varieties and products developed or in pipeline: ---

Signature: