

## AICRP on Pigeonpea

### Important Achievements:

AICRP Pigeonpea was started in the year 1977, presently four scientists are working in the scheme. The QRT Team of 2015 Categorized AICRP Kalaburagi as best centre. A total of ten varieties have been developed, among them TS -3R (released:2010) a wilt resistant, mid early duration variety is ruling in the farmers field, which covers > 2.5 lakh ha. The variety GRG-811 (released:2015) also spreading in farmers field. Of late the variety GRG -152 (Bheema) from this centre has been released through AICRP for central zone of India covering four states (Madhya Pradesh, Maharashtra, Gujarat and Chhattisgarh).

Developed 20 crop production practices, among them the most popular are use of micronutrients, chemical weed management and intercropping system of pigeonpea with several cereals, short statured pulses and oilseeds which covers approx.90,000 ha.

Developed three efficient strains of *Rhizobium* and also one each strain of PSB and PGPR. Among three *Rhizobium* strains, GB-2 is performing better covering 70,000 ha in farmers field. Similarly phosphate solubilising strain (PSB-1) is covering 70,000 ha and plant growth promoting rhizobacter (WGFps) covering 40,000 ha.

Developed efficient management practice for *Fusarium* wilt of pigeonpea, by treating seeds with trichoderma @ 4gm/kg and use of enriched FYM/compost with trichoderma and its soil application which covers approx.40,000 ha.

Developed Integrated Technology for management of pod borers of pigeonpea. Developed 21 pest management technologies and best most popular are use of chlorantranilprole 18.5 SC @ 150g/ha or Emamectin benzoate 5 SG @ 200g/ha or Flubendiamide 480 SC @ 75 ml/ha for pod borers management. These technology has been adopted in approx. 3.5 Lakh ha. Ecofriendly approaches viz., Production technology and use of HaNPV, NSKE 5%, Chilli Garlic Extract. Similarly, developed pod fly management technology with imidacloprid 17.5 SC @ 0.3 ml + 10g jaggary/l followed by thiomethaxam 25 WG @ 0.2g + 10g jaggary/l after 15 days of first spray, which covers an area of approx.1,00,000 ha.

Use of Pulse magic (combination of nutrients and growth promoters) in pigeonpea enhances yield by improving pod set and seed quality, presently farmers are using pulse magic in around 80,000 ha. Similarly, chickpea magic is also doing well in the farmer's field.

AICRP Pigeonpea Scheme Head	:	Dr. Rachappa V. Haveri
Designation	:	Associate Professor of Entomology and Head AICRP Pigeonpea Scheme
Address	:	Zonal Agricultural Research, Station. Aland Road, Kalaburagi-585101, Karnataka, India Phone # : 08472 233455 Mobile #: 9880323707/8618218613 Email: <a href="mailto:rachis1@rediffmail.com">rachis1@rediffmail.com</a> , <a href="mailto:rvhaveri@gmail.com">rvhaveri@gmail.com</a>
		