

# Achievements and Awards

## Achievements

- ❖ Assembling and conserving over 123,900 accessions of six mandate crops and five small millets, for present and future utilization in crop improvement programs is the major achievement
- ❖ The collection serves as an insurance against genetic erosion
- ❖ Restored 55,181 accessions to nine countries when their national collections were lost
- ❖ The genebank so far distributed more than 1.46 million seed samples to researchers in 148 countries

- ❖ Established three regional genebanks at Niamey, Niger; Nairobi, Kenya and Bulawayo, Zimbabwe to cater the research needs of NARS in Africa
- ❖ The genebank safely duplicated over 110,000 accessions at the Svalbard Global Seed Vault, Norway
- ❖ Passport and characterization data are international public goods (IPGs) and globally accessible through [www.icrisat.org](http://www.icrisat.org)

- ❖ 110 germplasm lines were directly released as 146 cultivars in 51 countries and over 800 varieties were released in 79 countries utilizing germplasm and breeding lines from ICRISAT genebank
- ❖ Developed mini core collections (1% of the entire collection), which are International Public Goods (IPGs) serving as a gateway to the large collections for enhanced use of genetic resources.
- ❖ Provided 266 sets of mini core collections to scientists in 36 countries and 105 sets to scientists in ICRISAT.

- ❖ Trained NARS partners and prepared several publications to popularize the need and procedures for conservation of plant genetic resources.
- ❖ ICRISAT genebank is a treasure trove of genes for agronomic, adaptive and nutritional traits and tolerance/resistance to abiotic and biotic stresses



**Cajanus platycarpus, a source for extra early maturity and resistance to phytophthora blight, pod borer, podfly and bruchids**

- ❖ 110 germplasm lines were directly released as 146 cultivars in 51 countries and over 800 varieties were released in 79 countries utilizing germplasm and breeding lines from ICRISAT genebank
- ❖ ICC 11879, a chickpea landrace released as variety in eight Mediterranean countries
- ❖ Release of ICP 8863, a pigeonpea landrace with stable resistance for fusarium wilt as Maruthi in India has benefited US\$ 75 million by 1996 with 73% internal rate of return



ICP 8863

ICC 11879

- ❖ ICP 7035, a pigeonpea landrace released in India, China, Nepal, Philippines and Fiji
- ❖ ICG 12991, a groundnut accession released in Mozambique, Malawi and Zambia
- ❖ ICG 7827, a groundnut accession released directly in 9 countries.

## Awards

- ❖ Scientists of genebank received several awards.



- ❖ Germplasm introduction, collection, conservation, maintenance, characterization and evaluation and distribution will continue.

- ❖ Gaps identified in the collections will be explored.

- ❖ All information will be documented and made available through international portals.

- ❖ Enhance the utilization of germplasm through mini core collections.

- ❖ NARS partners will be trained in plant genetic resources conservation.

