AICRP ON SORGHUM

1. **Name of Center: Gulbarga/Hagari**

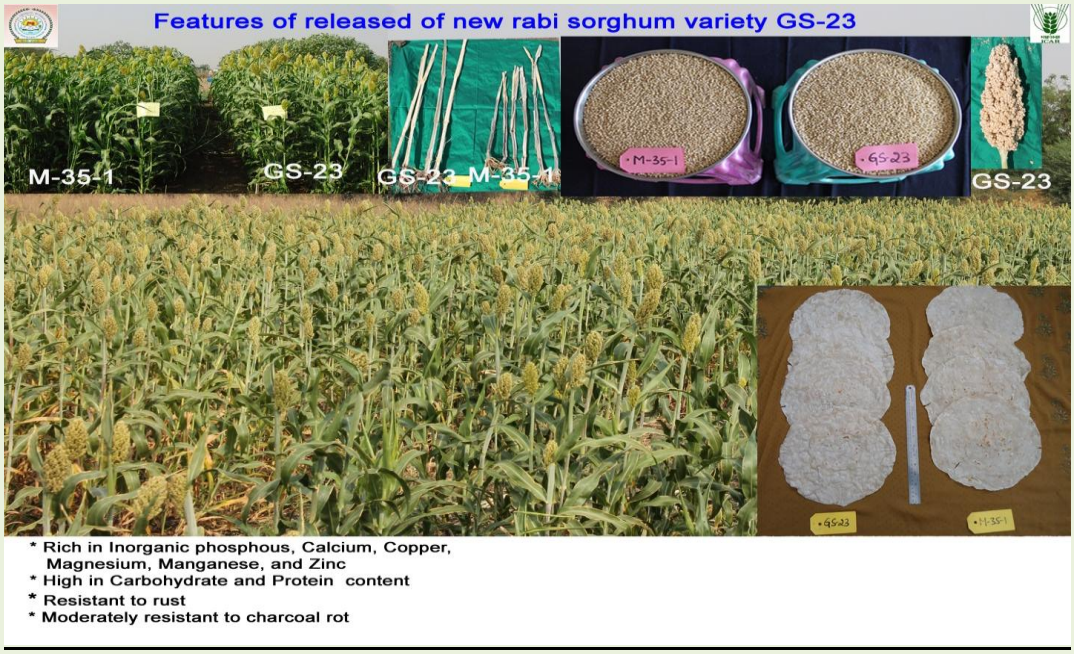
2. **Mandate of Center:**
   1. Evaluation and development of superior varieties for grain and Fodder yield suited to deep and medium soil situations.
   2. Collection, conservation and utilization of rabi sorghum genetic resources.
   3. Screening and identification of resistant / tolerant sources and cost effective management practices for major pests and diseases of sorghum.
   4. Development of cost effective adoptable agronomic management practices for higher grain and fodder yield
   5. Assessing the adaptability of pre released sorghum genotypes for higher grain yield and fodder yield.
   6. Refining the agronomic technology to suit local needs for higher grain yield, fodder yield and monitory returns.

3. **Sanctioned and filled staff position with dates of appointment**

Sl. No.	**Position**	**No.**	**Name with period**
1	Asst. Breeder	**1**	Dr. G. Girish
2	Asst. Agronomist	**1**	Dr. D. Krishna Murthy
3	Field Assistant	**1**	Mr Chandrashekar, A.
4	Field Assistant	**1**	Mr. Shanthppa M.

1.Plant breeding achievements.

Sl. No.	Name	Year of release	Region/ zone	Special feature
1.	GS-23 (Kanaka)	2017-18	1 and 2	Charcoal rot tolerant and rust resistant variety with maturity period of 105-110 days, well suited to shallow, medium and deep soil.

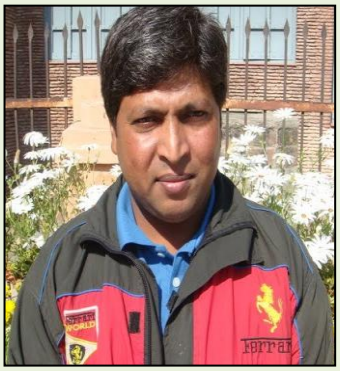


Agronomy

- ✓ Seed priming with KNO_3 (2%) for 8-10 hours has been found to increase the yield and the technology has been recommended from UAS Raichur to spread horizontally among the farming community.

- ✓ Application of sulphur @ 11 kg/ha along with RDF (through Bentonite) has been found to increase the yield and the technology is recommended for farm trial and will be included in Package of practices for farmer usage.

- ✓ Seed treatment with liquid biofertilizers viz., Azopirillum @ 4 ml / kg and PSB @ 4 / ml has been found to increase the sorghum yield and the technology is recommended for farm trial and will be included in Package of practices for farmer usage



Dr G. Girish, Head and Office in charge, AICRP on Sorghum, ARS, Hagari