

# Centre: ARSS,DIGGI TONK(Raj.)

<b>1. Name of the officer - In charge (AICRP- Sorghum):</b>	<b>Dr. VED PRAKASH,PROF. Additional charge</b>
<b>2. Associated Scientists (AICRP- Sorghum) and their discipline:</b>	<b>Dr. D.K. GUPTA , PROF. Agronomist Additional charge</b>
<b>2. Associated Scientists from state project:</b>	<b>NIL</b>
<b>3. Annual budget:</b>	<b>23.35 Lacs</b>
<b>4. Any other financial support:</b>	<b>NIL</b>

# Staff changes during the year

<b>Retired</b>	<b>POSTS ARE LAYING VACANT</b>
<b>Transferred</b>	<b>NIL</b>
<b>New recruits</b>	<b>NIL</b>

# Major thrust at the centre

- 1 Development of short duration Hybrid & varieties
- 2 Development of Fodder purpose Hybrid & varieties
- 3 Development of dual purpose varieties & Hybrids.
- 4 Development of Agronomical technology suitable for this Zone

# Seasonal information

	<i>Kharif</i>	<i>Rabi</i>
<b>Rainfall</b>	<b>580.71 mm</b>	<b>—</b>
<b>Area covered</b>	<b>5.84 Lakh (ha)</b>	<b>—</b>
<b>Total production</b>	<b>4.35 Lakh tonnes</b>	<b>—</b>

# **Trials conducted**

<b>Discipline</b>	<b>No. of AICRP-sorghum trials allocated</b>	<b>No. of station trials</b>	<b>No. of trials successfully conducted</b>	<b>Shortfall</b>
<b>Plant Breeding</b>	<b>Six</b>	<b>-</b>	<b>Three</b>	<b>Shoot fly severe Damage at Germination</b>
<b>Agronomy</b>	<b>Five</b>	<b>-</b>	<b>Five</b>	<b>Shoot fly severe Damage at Germination</b>

# Major achievements during 2016-17

## Discipline: Plant Breeding

<b>Sl. No</b>	<b>Target</b>	<b>Achievement</b>	<b>Shortfall</b>
<b>1</b>	<b>Conduction of Coordinated Trials</b>	<b>Three trials Result Reported</b>	<b>Three trials fail due to Shoot fly Damage</b>
<b>2</b>	<b>15 Crosses of F-2 Generation Evaluated</b>	<b>1860 Single plants selected from 11 F-2 Crosses.</b>	<b>-</b>

## Discipline: Agronomy

<b>Target</b>	<b>Achieved</b>	<b>Short fall</b>
<p><b>1.Fertilizer X Genotype interaction in rainfed grain sorghum</b></p> <p><b>2. Fertilizer X Genotype interaction in single cut forage sorghum</b></p> <p><b>3. Optimization of production factors under resource constraints in single cut forage</b></p> <p><b>4.Improving nitrogen use efficiency though method and time of nitrogen application in grain sorghum</b></p> <p><b>5.Optimization of production factors under resource constraints in grain sorghum.</b></p>	<b>Achieved</b>	<b>NIL</b>

# Constraints

SI No	Constraint	Suggestions
1	<b>NIL</b>	<b>NIL</b>
2		
3		
4		
5		



## Other activities rendered by all scientists

Sl. No	Activities	Number	% time spent
1	Trainings organized by centre	Nil	
2	Trainings attended by scientists	Nil	
3	Guiding students	ONE	20
4	Institutional activities	ONE	10
5	Recognitions	Nil	

# Major activities/objectives for 2017-18

<b>Discipline</b>	<b>Major activities envisaged</b>
<b>Plant Breeding</b>	<ol style="list-style-type: none"><li>1 Development of short duration Hybrid &amp; varieties</li><li>2 Development of Fodder purpose Hybrid &amp; varieties</li><li>3 Development of dual purpose varieties &amp; Hybrids.</li><li>4. Generate fresh breeding material.</li></ol>
<b>Agronomy</b>	<ol style="list-style-type: none"><li>1. Fertilizer X Genotype interaction in rainfed grain sorghum</li><li>2. Fertilizer X Genotype interaction in single cut forage sorghum</li><li>3. Optimization of production factors under resource constraints in single cut forage sorghum</li></ol>

THANK YOU