

## Frontline demonstrations on rabi sorghum 2016-17

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#### Executive summary

During *rabi* 2016-17, 419 frontline demonstrations (FLDs) on sorghum were organized in seven districts across the three major *rabi* sorghum growing states viz., Maharashtra, Karnataka, Telangana, Gujrat and Andhra Pradesh. Latest Sorghum varieties viz., CSV 22R, CSV 29R, CSV 26R, Phule Suchitra, Phule Revati and Parbhani Moti were demonstrated along with locally popular cultivar as a check in farmers' fields at different locations.

The demonstrated Sorghum varieties gave 50 per cent higher grain and 53 per cent fodder yields than the local checks. On an average, the demonstrated varieties could earn net returns of Rs. 36,487/- on the cost of Rs.19,955/- per ha, which is 72 per cent more than the local check. Moreover, fifty demonstrations were organized on 20 ha in rice-fallows with CSH 25, CSH 16 and CSH 14 hybrids. The results are awaited as they were sown late in January, 2017.

## Introduction

Sorghum (*Sorghum bicolor* L. Moench) is one of the major cereals after wheat, rice, maize and pearl millet, which is being cultivated by poor and small farmers in semi-arid regions of the country. The efforts made by ICAR-Indian Institute of Millets Research (earlier, DSR) with help of the All India Coordinated Research Improvement Project on Sorghum (AICRP Sorghum) and State Agricultural Universities (SAU's) since its inception, has led to technologies development for enhancing production and productivity to meet requirement of food, fodder and feed. Despite of its multiple uses, the area under sorghum in India has declined from 18.61 m. ha in 1970 to 6.25 m. ha in 2012. However, its productivity has increased from 522 kg/ha to 850 kg/ha due to significant improvements was made in research and development. There is wide gap between national productivity and yield potential of the improved sorghum technologies developed from the research institutes.

The Department of Agriculture and Cooperation, Ministry of Agriculture and Farmers Welfare, Government of India, is attempting to build up linkages between research and farmers by launching programmes on technologies transfer such as, frontline demonstrations (FLDs) programme since 1995-96. The project aimed to involve the scientists in demonstration of their technologies to the farmers (user of the technologies), and to have first hand feedback on its performance and problems if any, for its further refinement.

In view to this, FLD is one of the important programmes to evaluate and demonstrate the production potential of the recently released sorghum cultivars including package of practices in the farmers' fields. Besides, it enable to build-up confidence of the farmers to adopt the latest technologies and also help to collect valuable feedback to modify the research programme based-on their field experiences regarding performance of the technologies. Now-a-days, the farmers mostly prefers dual purpose cultivars rather the grain alone, due to meet an important requirement of fodder and food, which was also varies locations-wise. Keeping these in view, FLDs on sorghum was organized during *rabi* 2016-17 at different locations of the country.

### Technical programme of *rabi* FLDs 2016-17

In total, 419 FLDs on Sorghum were organized in farmers' fields on 178 ha through five AICRP Sorghum centres across the three different sorghum growing states during *rabi* 2016-17. The cooperative and well responsive farmers from different categories were selected from the villages of each site. The detailed technical programme of FLDs on Sorghum organized which is given hereunder.

#### ***I. Demonstrated sorghum cultivars***

Latest national and state released Sorghum varieties viz., CSV 22R, CSV 29R, CSV 26R, Phule Suchitra, Phule Revati and Parbhani Moti were demonstrated and compared with locally popular varieties as a checks (LC). The local checks namely, *Maldhandi*, *Lakadi*, *Dagadi*, *Halijola*, *Budda Mallelu* (*Dagdi* type), Udgir local and Tandur local were grown by the farmers which were taken for comparison. The centre-wise technologies demonstrated under this programme is given in Table 1.

**Table 1 Details of frontline demonstrations organized during *rabi* 2016-17**

S. No.	FLD Centres	Location	Cultivars	No. of FLDs	Area (ha)
1	AICRP Sorghum, MAU, Parbhani (Maharashtra)	Bhum in Osmanabad district	Parbhani Moti	170	68.0
2	AICRP Sorghum, MPKV, Rahuri (M.S.)	Tambhere village, Tahsil - Rahuri in Ahmednagar district of Maharashtra	Phule Suchitra	48	20.0
3	CRS, DSR, Solapur (Maharashtra)	Pandhrewadi, Pandharpur in Solapur district	CSV 29R, CSV 26R, Phule Suchitra, Phule Revati	26	10.4
4	AICRP Sorghum, UAS, Bijapur (Karnataka)	B. Bagewadi in Bijapur	CSV 29R	50	20.0
5	AICRP Sorghum, RARS-PJTSAU, Tandur (Telang.)	Allapur and Nawandgi mandal in Vikarabad district	CSV 29R	25	20.0
6	AICRP Sorghum, Surat (Gujrat)	Mandvi, Songadh, Uchhal and Vyara in Surat district	CSV 22R, CSV 29R	50	20.0
7	AICRP Sorghum, ARS-ANGRAU, Bapatla (A. P.)	Navalga village in Mandal Bashirabad of RRdistrict	CSH 25, CSH 16, CSH 14	50	20.0

## II. Improved package of practices for sorghum cultivation in rabi

The following recommended practices were advocated to implement in the FLD programme. However, all the practices could not be followed uniformly by the FLD farmers of the different regions due to unavailability of inputs uniformly at all the places and various practical reasons. The precaution was taken to maintain similar situation by using same inputs to both FLD and local cultivars in the farmers' fields.

Land preparation	:	One ploughing, 2-3 harrowing, 10 ton FYM per ha, if available and soil application of Thimate @ 4.5 kg ha <sup>-1</sup>
Sowing time	:	2 <sup>nd</sup> fortnight of September to 1 <sup>st</sup> fortnight of October
Seed rate	:	8-10 kg/ha (3 kg/acre)
Spacing	:	Row to row 45 cm and plant to plant 12 to 15 cm
Plant population	:	1.80 lakh per ha
Seed treatment	:	Thiomethaxam ( <i>Cruser</i> ) 3 g/kg or Furadon 50SP@5 g/kg
Fertilizer dose (N:P:K)	:	60:30:00 kg /ha NPK for rainfed as basal, 80:40:40 kg /ha (50% N and full P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O as basal and 50% N at 30-35 days after sowing). The dose was applied by using FYM, Vermi-compost, biofertilizer-Azospirillum.
Irrigation	:	If available, 1 <sup>st</sup> at germination, 2 <sup>nd</sup> at panicle initiation and 3 <sup>rd</sup> at grain filling stage
Weed management	:	Spray of atrazine @ 0.5 kg a.i./ha immediately after sowing, inter-cultivation 2 times at 21 and 40 DAS
Striga control	:	Hand pulling when population is less, spray 2,4-D sodium salt, @ 1.0 kg a.i./ha as post-emergence
Plant protection	:	Need-based soil application of Carbofuron 3G @ 2 g/m at sowing, spraying of Cypermethrin @ 2 ml/liter water at 14 & 30 DAE or Carbaryl 3G, or Furadon 3 G @ 8-12 kg ha <sup>-1</sup> at 20 and 35 DAE, , Tricoderma cards as biocontrol measures
Harvesting	:	115-120 days

## Results

### I. Grain, stover yields and economics of Sorghum cultivation

The results indicated (Table 2 & 3) that

1. The demonstrated Parbhani Moti and CSV 29R had gave 55% more grain and 43% stover yield under FLDs than the local check in Marathwada region of Maharashtra. In results, of 77% more netreturn was obtained from them compared to the local check.
2. The data on grain and fodder yields obtained from the four demonstrated varieties *viz.*, Phule Revati, Phule Suchitra, CSV 26R and CSV 29R under FLDs organized by the CRS, Solapur indicated that they yielded 43% more grains and 28% increase was found in stover yield than the local varieties (Solapur *dagadi*).
3. Demonstrated varieties; Phule Suchitra and CSV 29R performed better in terms of grain yield (1.93 t/ha) under FLD which was 68 per cent higher than the local check (1.15 t/ha) in Western Maharashtra region. Moreover, it was performed better in terms of stover yield (77% more) than the local check.
4. In Bijapur area of Karnataka, recently released CSV 29R performed better and gave 16 per cent higher grain yield and 67 per cent stover yield than the local check. It was resulted in to 62 per cent additional net return (Rs. 30,013/- per ha) than the local check (Rs. 18,478/- per ha).
5. Performance of national released variety, CSV 29R was found better in the Tandur area of Telangana State and it gave 39 per cent higher grain and 30 per cent stover yield than the local check. An additional net return of 48,402/- per ha was obtained from this variety which was 37 per cent more than the local check.
6. In Surat area of gujrat, recently released CSV 22R and CSV 29R performed better and gave 77 per cent higher grain yield and 72 per cent stover yield than the local check. It hels to get double net return (Rs. 46,250/- per ha) than the local check (Rs. 20,756/- per ha).
7. Total fifty demonstrations were organized on 20 ha in rice-fallows with CSH 25, CSH 16 and CSH 14 hybrids in Guntur district in coastal Andhra Pradesh, which is non-traditional area.

### Impact of the frontline demonstrations

The results revealed (Table 4) that the grain yield of sorghum was lower under local practice (1.16 t.ha<sup>-1</sup>) as compared to FLD cultivars (1.74 t.ha<sup>-1</sup>) indicating gap of 50 per cent, across the locations. Moreover, in case of stover yield 53 per cent yield gap was found. The net returns obtained from the improved cultivars under FLDs was Rs.36,487/- per ha, while the net returns from the locally popular cultivars was Rs.21,235/- per ha which was 72 per cent less than the improved cultivars. The increase in benefit-cost ratio obtained from the FLD cultivars was 0.53.

### Sorghum in rice-fallows

Results of 50 field demonstrations organized (Table 5) on 20 ha in late *rabi* season under zero-tillage in Guntur district of Andhra Pradesh revealed that the grain yield obtained from CSH 25 (6.48 t ha<sup>-1</sup>), CSH 16 (6.22 t ha<sup>-1</sup>) and CSH 14 (5.88 t ha<sup>-1</sup>) under the field trials was 16% higher than the locally popular hybrid Mahalaxmi 296 (5.47 t ha<sup>-1</sup>) in rice-fallows across the villages of Guntur district. It was resulted into 43% higher net returns (Rs.48,245/- per ha) than the check Mahalaxmi 296 (Rs.33,738/- per ha) on the cost of Rs.37,345/- per ha. The incremental benefit-cost ratio obtained from the hybrid was 0.45. Though the fodder is not much important to the farmers of this area, the same trend of fodder yield was also observed. It is indicated that CSH 25, CSH 16 and CSH 14 have wide potential to increase yields and ultimately monetary benefit to the farmers. Non-trial farmers also exposed to the latest sorghum production technologies by organizing field day programmes and through literatures. There is more demand for seeds of CSH 25 and CSH 16 from the farmers.

### Conclusion

- Demonstrated latest high yielding sorghum varieties viz., CSV 22R, CSV 29R, CSV 26R, Phule Suchitra, Phule Revati and Parbhani Moti yielded higher grain by 50 per cent and stover yield by 53 per cent than the local varieties namely, *Maldhandi, Lakadi, Dagadi, Halijola, Budda Mallelu (Dagdi type), Udgir local and Tandur local.*
- On an average, the demonstrated varieties could earn net returns of Rs. 36,487/- on the cost of Rs. 19,955/- per ha, which is 72 per cent higher than the local check. It was also resulted in to 0.53 more B:C ratio.
- The yield gap of 50 per cent was bridged in grain and 53 per cent in stover by the improved Sorghum varieties, which indicated that sorghum farmers could increase grain and stover yields by using them in their fields.
- At all the locations, the demonstrated sorghum varieties took over the yields and profits of the local varieties. Therefore, the FLDs may be conducted in small area with the latest sorghum technologies to show its impact by following the operational guidelines strictly.

### Looking ahead

The new opportunities and areas for sorghum cultivation are emerging in rice-fallows of coastal Andhra Pradesh, especially in Guntur district. Thus, FLDs on sorghum would be organized in rice-fallows under zero-tillage condition with promising sorghum hybrids on large scale.

**Table 2 Grain yield (t.ha<sup>-1</sup>) of Sorghum varieties under rabi FLDs during 2016-17**

S. N.	FLD Centre		Demonstrated Sorghum variety						Mean	Local check (LC)	Yield advantage (%)
			Phule P. Suchitra	Phule Revati	Parbhani Moti	CSV 26R	CSV 22R	CSV 29R			
1	Parbhani	Grain yield (t.ha <sup>-1</sup> )	-	-	1.46	-	-	1.83	1.64	1.06	55
		Stover yield (t.ha <sup>-1</sup> )	-	-	3.62	-	-	4.61	4.12	2.88	43
2	Solapur	Grain yield (t.ha <sup>-1</sup> )	1.48	1.58	-	0.84	-	1.73	1.40	0.98	43
		Stover yield (t.ha <sup>-1</sup> )	2.73	2.86	-	1.72	-	2.81	2.53	1.97	28
3	Rahuri	Grain yield (t.ha <sup>-1</sup> )	1.93	-	-	-	-	-	1.93	1.15	68
		Stover yield (t.ha <sup>-1</sup> )	4.65	-	-	-	-	-	4.70	2.66	77
4	Bijapur	Grain yield (t.ha <sup>-1</sup> )	-	-	-	-	-	1.31	1.31	1.13	16
		Stover yield (t.ha <sup>-1</sup> )	-	-	-	-	-	3.84	3.84	2.30	67
5	Tandur	Grain yield (t.ha <sup>-1</sup> )	-	-	-	-	-	1.83	1.83	1.32	39
		Stover yield (t.ha <sup>-1</sup> )	-	-	-	-	-	5.05	5.05	3.87	30

S. N.	FLD Centre		Demonstrated Sorghum variety						Mean	Local check (LC)	Yield advantage (%)
			Phule P. Suchitra	Phule Revati	Parbhani Moti	CSV 26R	CSV 22R	CSV 29R			
6	Surat	Grain yield (t.ha <sup>-1</sup> )	-	-	-	-	2.20	2.30	2.30	1.30	77
		Stover yield (t.ha <sup>-1</sup> )	-	-	-	-	6.80	6.50	6.70	3.90	72
	Mean	Grain yield (t.ha <sup>-1</sup> )	1.71	1.58	1.46	0.84	2.20	1.80	1.74	1.16	50
		Stover yield (t.ha <sup>-1</sup> )	3.69	2.86	3.62	1.72	6.8	4.56	4.49	2.93	53

**Table 3 Economics of FLDs on rabi Sorghum organized during 2016-17**

S. No.	FLD Centre	Grain yield (t.ha <sup>-1</sup> )		Stover yield (t.ha <sup>-1</sup> )		Cost of cultivation (Rs.ha <sup>-1</sup> )	Net return (Rs.ha <sup>-1</sup> )		B:C ratio	
		FLD	LC	FLD	LC		FLD	LC	FLD	LC
1	Parbhani	1.64	1.06	4.12	2.88	16653	30235	17055	1.82	1.20
2	Solapur	1.40	0.98	2.53	1.97	20327	30100	18817	2.48	2.28
3	Rahuri	1.93	1.15	4.70	2.66	21100	33924	16996	2.61	2.12
4	Bijapur	1.31	1.13	3.84	2.30	19090	30013	18478	2.40	1.97
5	Tandur	1.83	1.32	5.05	3.87	16012	48402	35310	3.02	2.31
6	Surat	2.30	1.30	6.70	3.90	26550	46250	20756	2.74	1.99
	Mean	1.74	1.16	4.49	2.93	19955	36487	21235	2.51	1.98

**Table 4 Yield gap between the FLDs and local check (LC) during rabi 2016-17**

S. No.	Location	Grain yield (t.ha <sup>-1</sup> )			Stover yield (t.ha <sup>-1</sup> )		
		FLD	LC	Yield gap (%)	FLD	LC	Yield gap (%)
1	Parbhani	1.64	1.06	55	4.12	2.88	43
2	Solapur	1.40	0.98	43	2.53	1.97	28
3	Rahuri	1.93	1.15	68	4.70	2.66	77
4	Bijapur	1.31	1.13	16	3.84	2.30	67
5	Tandur	1.83	1.32	39	5.05	3.87	30
6	Surat	2.30	1.30	77	6.70	3.90	72
	Mean	1.74	1.16	50	4.49	2.93	53

**Table 5 Economics of FLDs on sorghum organized in rice-fallows during 2015-16**

S. No.	Sorghum hybrid	Grain yield (t.ha <sup>-1</sup> )	Yield advantage (t.ha <sup>-1</sup> )	Cost of cultivation (Rs.ha <sup>-1</sup> )	Gross return (Rs.ha <sup>-1</sup> )*	Net return (Rs.ha <sup>-1</sup> )	B:C ratio
1	CSH 14	5.88	0.41 (7.5%)	37345	79340	41995	1.12:1.00
2	CSH 16	6.22	0.75 (14%)	37345	84010	46665	1.25:1.00
3	CSH 25	6.48	1.01 (18%)	37345	89600	52255	1.40:1.00
	Mean	6.34	0.87 (16%)	37345	85590	48245	1.29:1.00
	Mahalaxmi 296	5.47	--	40067	73805	33738	0.84:1.00

\*Excluding fodder



## Farmer-wise details of rabi FLDs 2016-17

**Annexure-I. Results of FLD on rabi Sorghum organized by AICRP Sorghum, Parbhani**

S. No.	Name of farmers & village, Block, District, Pin code	Aadhar No. & (Contact No.)	Age (yrs.)	Cast category (Male/Female)	Sorghum cultivar	Cost of production (Rs./ha)	Yield (q /ha)		Gross return (Rs./ha)	Net return (Rs./ha)	B:C ratio
							Grain	Fodder			
<b>Sawargaon Tq. Bhum Dist. Osmanabad</b>											
1	Govind Bhagwan Sonar	9421875610	54	OBC	CSV 29 R	16900	22	56.5	63450	46550	2.75
2	Sunita Uttam Borade	7767907364	36	Gen	CSV 29 R	16650	18	50	50800	34150	2.05
3	Ganesh Ambadas Borade	8308723887	56	Gen	Parbhani Moti	16750	12	30	34200	17450	1.04
4	Aabasaheb Keshav Borade		60	Gen	CSV 29 R	16650	20	52	58000	41350	2.48
5	Rajendra Machindra Borade	787577608	29	Gen	Parbhani Moti	16500	18	47	52300	35800	2.17
6	Bhagwat Keshav Borade	9881952901	36	Gen	Parbhani Moti	16625	18	50	50800	34175	2.06
7	Chatrabhuj Keshav Borade	9049272502	40	Gen	Parbhani Moti	16375	17.5	46	51000	34625	2.11
8	Changdev Pandurang Borade	8698505784	45	Gen	Parbhani Moti	16750	15	38	43000	26250	1.57
9	Shivraj Pandurang Borade	8698058699	32	Gen	Parbhani Moti	16800	12.5	33	36500	19700	1.17
10	Abhijit Endrajit Huke	7720972215	43	Gen	Parbhani Moti	16625	17	50	49200	32575	1.96
11	Laxman Sudam Borade	9421098710	45	Gen	Parbhani Moti	16750	12	32	35200	18450	1.10
12	Kishor Kishan Kulkarni	9404307091	45	Gen	Parbhani Moti	16250	14	36	40400	24150	1.49
13	Balaji Khanderaoo Borade	8698151430	39	Gen	CSV 29 R	16900	23	56	64800	47900	2.83
14	Shshikant Bapusaheb Patil	9403391877	36	Gen	CSV 29 R	17025	21.5	55	61900	50875	2.64
15	Hanumant Manik Borade	9403590343	42	Gen	Parbhani Moti	17050	14.5	38	42200	25150	1.48
16	Sugriv Vitthal Borade	8390232841	50	Gen	CSV 29 R	17100	21	50	58600	41500	2.43
17	Dada Vitthal Borade	9545809485	40	Gen	Parbhani Moti	16500	18	48	52800	36300	2.20
18	Vitthal Bhgwan Bhosale	9145593492	41	Gen	Parbhani Moti	16625	18	46	51800	35175	2.12
19	Jalindar Pandurang Bhosale	9545560549	36	Gen	CSV 29 R	16525	13	35	38300	21775	1.32
20	Subhash Devrao Borade	9764828505	55	Gen	Parbhani Moti	16825	14	34.5	39650	22825	1.36
21	Shobha Vikram Maske	9145355415	33	Gen	CSV 29 R	16900	20.5	50	57800	40900	2.42
22	Mohanrao Balasaheb Patil	7588598242	36	Gen	Parbhani Moti	16625	14.5	35	40700	24075	1.45
23	Vidya Deepak Borade	9673909118	23	Gen	CSV 29 R	16650	15.5	40	50800	28150	1.69
24	Sushila Madhukant Patil	9422455577	47	Gen	Parbhani Moti	16500	15	38.5	43250	26750	1.62
25	Dasa Tulshiram Garad	8412004126	52	OBC	Parbhani Moti	16950	12	31.5	34950	18000	1.06
26	Bharat Devrao Borade	7798199380	43	Gen	CSV 29 R	16900	20	51	57500	40600	2.40
27	Laxman Krishna Borade	9881892577	45	Gen	Parbhani Moti	16750	17	42	48200	31450	1.88
28	Audambar Baburao Borade	9545246641	55	Gen	Parbhani Moti	16750	18	46	51800	35050	2.09
29	Maharudra Vinayk Borade	9403864005	56	Gen	CSV 29 R	16525	19	45	52900	36375	2.20
30	Shahaji Vinayk Borade		40	Gen	Parbhani Moti	16250	16	41	46100	29850	1.84
31	Ashok Chandrakant Borade	9673710053	36	Gen	Parbhani Moti	16250	18	43	50300	34050	2.10
32	Vikram Dyanoba Borade	9421229041	21	Gen	CSV 29 R	16400	19.5	50	56200	39800	2.43
33	Lakul Mahadev Borade	9545295646	23	Gen	CSV 29 R	16525	17	40	47200	30675	1.86
34	Chatrabhuj Baliram Borade	9594516382	49	Gen	Parbhani Moti	16750	19	45	52900	36150	2.16
35	Sanjay Ganpat More	7066691574	58	Gen	CSV 29 R	16775	17	40	47200	30425	1.81
36	Sita Dagdu Maske	9552159504	54	Gen	Parbhani Moti	16500	12	32	35200	18700	1.13
37	Kalidas Devrao Borade		61	Gen	Parbhani Moti	16500	12	33	35700	19200	1.16
38	Raghu Dadu Garad	9921401524	26	OBC	Parbhani Moti	16375	12	31	34700	18325	1.12
39	Vikram Motiram Garad	9763589034	26	OBC	Parbhani Moti	16500	10.5	28	30800	14300	0.87
40	Dharmraj Nivrati Borade		29	Gen	Parbhani Moti	16375	15	35	41500	25125	1.53



S. No.	Name of farmers & village, Block, District, Pin code	Aadhar No. & (Contact No.)	Age (yrs.)	Cast category (Male/Female)	Sorghum cultivar	Cost of production (Rs./ha)	Yield (q /ha)		Gross return (Rs./ha)	Net return (Rs./ha)	B:C ratio
							Grain	Fodder			
41	Satish Nilkanth Borade	9765330321	26	Gen	Parbhani Moti	16125	16	41	46100	29975	1.86
42	Kundiram Narhari Patil		60	Gen	CSV 29 R	16400	13	35	38300	21900	1.34
43	Vikram Parsram Borade		29	Gen	Parbhani Moti	16250	21	50	58600	42350	2.61
50	Krushna Parsram Borade	9975452673	33	Gen	Parbhani Moti	16375	20	52	58000	41625	2.54
45	Shesherao Vasudev Borade		50	Gen	Parbhani Moti	16250	22	53	61700	45450	2.80
46	Parmeshwar Krushna Borade	7507668654	58	Gen	Parbhani Moti	16250	22	54	62200	45950	2.83
47	Bhalchandra Babruvan Borade	7507654765	57	Gen	CSV 29 R	16275	16	40	45600	29325	1.80
48	Dattatray Harishchandra Borade	9545483858	55	Gen	Parbhani Moti	16250	13	30	35800	19550	1.20
49	Pandurang Dattatray Borade		46	Gen	CSV 29 R	16650	16	40	45600	28950	1.74
50	Anna Shankar Borade	7507668099	65	Gen	Parbhani Moti	16800	23	53	63300	46500	2.77
51	Navnath Ramrao Borade	9545084155	60	Gen	Parbhani Moti	16700	14.5	34	40200	23500	1.41
52	Jaydeep Hauserao Borade	9420770750	26	Gen	Parbhani Moti	16800	12	28	33200	16400	0.98
53	Balu Babruvan Borade	8698532825	28	Gen	CSV 29 R	16950	15	35	41500	24550	1.45
54	Vasant Baburao Talekar	7798642586	32	OBC	Parbhani Moti	16500	13.5	30.5	36850	20350	1.23
55	Shivaji Gajendra Aadsul	9637116900	45	Gen	Parbhani Moti	16700	23	54	63800	47100	2.82
56	Sanjay Janardhan Borade	9423020231	55	Gen	Parbhani Moti	16800	13.5	30	36600	19800	1.18
57	Dilip Taty Bhosale	8698533275	56	Gen	CSV 29 R	16850	17	50	49200	32350	1.92
58	Rajendra Hanumant Kopate	9764552341	30	NT	Parbhani Moti	16500	15	34	41000	24500	1.48
59	Pandit Namdev Borade	8698941130	35	Gen	Parbhani Moti	16125	15	35	41500	25375	1.57
60	Suman Chandrakant Jadhav	8411870538	50	Gen	Parbhani Moti	16300	13	31	36300	20000	1.23
61	Aatmaram Bapu Borade		35	Gen	Parbhani Moti	16500	12.5	31	35500	19000	1.15
62	Shivaji Narhari Patil		56	Gen	Parbhani Moti	16500	12	31	34700	18200	1.10
63	Gurudas Raghunath Borade		54	Gen	Parbhani Moti	16750	19	50	52400	35650	2.13
64	Prabhakar Waman Borade		32	Gen	Parbhani Moti	16500	18	45	51300	34800	2.11
65	Tanaji Gajendra Aadsul		29	Gen	Parbhani Moti	16750	18	50	50800	34050	2.03
66	Sambhaji Gajendra Aadsul		33	Gen	Parbhani Moti	16500	16	42.5	46850	30350	1.84
67	Shahaji Gajendra Aadsul		57	Gen	Parbhani Moti	16500	13	29	35300	18800	1.14
68	Chandrakant Balvant Borade		50	Gen	Parbhani Moti	16625	14	34	39400	22775	1.37
69	Balu Parsram Borade		50	Gen	Parbhani Moti	16375	19	46	53400	37025	2.26
70	Suresh Ramchandra Kopte		36	NT	Parbhani Moti	16750	15	35.6	41800	25050	1.50
71	Pandurang Dattatray Borade	9403590561	33	Gen	CSV 29 R	16950	17	43	48700	31750	1.87
72	Rajendra Parasram Borade		37	Gen	Parbhani Moti	16625	14	34	39400	22775	1.37
73	Vishvnath Rangnath Borade		29	Gen	Parbhani Moti	16750	12.5	32	36000	19250	1.15
74	Tulshiram Dadarao Borade		45	Gen	Parbhani Moti	16250	14.5	37	41700	25450	1.57
75	Angad Babruvan Borade		55	Gen	Parbhani Moti	16750	13.5	34	38600	21850	1.30
76	Dattatray Bhagwan Borade		50	Gen	Parbhani Moti	16875	20	48	56000	39125	2.32
77	Prakash Pandurang Borade	9637802081	32	Gen	Parbhani Moti	17050	15	37	42500	25450	1.49
78	Govardhan Dashrath Borade		35	Gen	Parbhani Moti	16950	14	35	39900	22950	1.35
79	Bharat Subrav Borade		38	Gen	Parbhani Moti	16500	20	50	57000	40500	2.45
80	Ramkrishn Dadarao Borade		34	Gen	Parbhani Moti	16625	19	50.5	52650	36025	2.17
81	Balu Parmeshwar Borade		55	Gen	Parbhani Moti	16375	18	45	51300	34925	2.13
82	Subhash Shrimant Borade	9637372357	54	Gen	CSV 29 R	16975	13	34	37800	20825	1.23
83	Kakasaheb Raghunath Borade		60	Gen	Parbhani Moti	16750	14	33	38900	22150	1.32
84	Bhaskar Baba Borade		53	Gen	Parbhani Moti	16625	14	33	38900	22275	1.34
85	Aajinath Narhari Borade		50	Gen	Parbhani Moti	16500	12	30	34200	17700	1.07



S. No.	Name of farmers & village, Block, District, Pin code	Aadhar No. & (Contact No.)	Age (yrs.)	Cast category (Male/Female)	Sorghum cultivar	Cost of production (Rs./ha)	Yield (q/ha)		Gross return (Rs./ha)	Net return (Rs./ha)	B:C ratio
							Grain	Fodder			
86	Habu Yedba Bhosale		66	Gen	Parbhani Moti	16500	17	42.5	48450	31950	1.94
87	Manohar Nagnath Teli		32	OBC	CSV 29 R	17100	21	53	60100	43000	2.51
88	Hanumant Gore	9403142251	36	Gen	Parbhani Moti	16750	17.5	43	49500	32750	1.96
89	Vilas Waman Borade	9764377884	50	Gen	Parbhani Moti	16750	14	34	39400	22650	1.35
90	Bharat Jivan Borade	9623120013	54	Gen	Parbhani Moti	16500	16	38	50600	28100	1.70
91	Ramesh Huserao Borade	9420737051	35	Gen	Parbhani Moti	16125	16	38	50600	28475	1.77
92	Vidhulta Vijanath Randive	9689588723	29	ST	CSV 29 R	16450	22	55	62700	46250	2.81
93	Jaysing Styawan Borade	9545238290	28	Gen	Parbhani Moti	16500	15.5	36	42800	26300	1.59
94	Balvant Buvaji Patil		50	Gen	Parbhani Moti	16500	14	35	39900	23400	1.42
95	Mukund Dyanand Kulkarni	9545290895	54	Gen	Parbhani Moti	16750	15	36	42000	25250	1.51
96	Anant Prabhakar Kulkarni	9637123280	35	Gen	Parbhani Moti	16500	22	53	61700	45200	2.74
97	Girish Vinayk Vidhate	9421027512	29	OBC	Parbhani Moti	16750	21	50	58600	41850	2.50
98	Sadashiv Sopan Borade		28	Gen	Parbhani Moti	16500	15	39	43500	27000	1.64
99	Aapasaheb Laximan Borade		35	Gen	Parbhani Moti	16500	10	26	29000	12500	0.76
100	Madhev Nagu Borade		45	Gen	Parbhani Moti	16625	12	31	34700	18075	1.09
<b>Sirasav Tq. Bhum Dist. Osmanabad</b>											
101	Ramhari Trimbak Patil	8421550550	50	Gen	Parbhani Moti	15800	16	40	45600	29800	1.89
102	Santaji Sopan Jadhav		56	NT	Parbhani Moti	15800	12	30	34200	18400	1.16
103	Aabasaheb Madhukar Jadhav		64	NT	Parbhani Moti	15800	11	28	31600	15800	1.00
104	Ramkrushn Aaba Mule		55	Gen	Parbhani Moti	15800	11	28	31600	15800	1.00
105	Babu Vitthal Mule	8805057257	29	SC	Parbhani Moti	15800	14	36	40400	24600	1.56
106	Sanjay Aapasaheb Patil	9881484849	42	Gen	Parbhani Moti	16500	10	26	29000	12500	0.76
107	Pandurang Aapasaheb Patil	9604333396	34	Gen	Parbhani Moti	16500	10	26	29000	12500	0.76
108	Mangal Sudhakar Patil	9689891350	35	Gen	Parbhani Moti	16750	11	29	32100	15350	0.92
109	Somnath Sopan Mule	9921524893	29	SC	Parbhani Moti	16500	11.5	30	33400	16900	1.02
110	Mainabai Pandurang Bobade	9921561897	54	Gen	Parbhani Moti	16750	11.5	30	33400	16650	0.99
111	Balasaheb Vasudev Yaykule	9881778315	55	ST	Parbhani Moti	16500	10	27	29500	13000	0.79
112	Bhagirathi Sopan Mule	9921524899	45	SC	Parbhani Moti	16500	10	26	29000	12500	0.76
113	Amol Ramhari Patil	8421550550	39	Gen	Parbhani Moti	16625	12	31	34700	18075	1.09
114	Chandrakant Ambadas Patil	9623636508	33	Gen	Parbhani Moti	16375	14	36	40400	24025	1.47
115	Kantlal Vasudev Yaykule	9881507354	49	ST	Parbhani Moti	16750	12	31	34700	17950	1.07
116	Suresh Ambadas Patil	9623636508	25	Gen	Parbhani Moti	16500	12	31	34700	18200	1.10
117	Dattatray Trimbak Patil	9604630035	62	Gen	Parbhani Moti	16125	11.5	28.5	32650	16525	1.02
118	Santosh Sudhakar Patil	9763840782	40	Gen	Parbhani Moti	16300	12	30	34200	17900	1.10
119	Dhondiram Janardhan Misal	8605050812	68	OBC	Parbhani Moti	16500	11	28	31600	15100	0.92
120	Shobha Gahininath Misal		26	OBC	Parbhani Moti	16500	11	27.5	31350	14850	0.90
121	Gulabrao Manikrao Patil	7507327000	60	Gen	Parbhani Moti	16750	12	30	34200	17450	1.04
122	Rajabhau Hanumant Chole	8379017211	55	NT	Parbhani Moti	16500	11	27.5	31350	14850	0.90
123	Rajabhau Ajinath Miskin	9604652780	68	ST	Parbhani Moti	16750	14	34	39400	22650	1.35
124	Jalindar Sadashiv Dorge	9767699962	26	SC	Parbhani Moti	16500	12	32	35200	18700	1.13
125	Deepak Jalindar Dorge	9767699962	36	SC	Parbhani Moti	16500	12	32	35200	18700	1.13
<b>Bothra Tq. Paranda Dist. Osmanabad</b>											
126	Murlidhar Sitaram Gophane	8552041855	55	OBC	Parbhani Moti	16625	13.5	33	38100	21475	1.29
127	Aapasaheb Jagannath Gophane		45	OBC	Parbhani Moti	16375	14	35.5	40150	23775	1.45
128	Navnath Somnath Shelke		42	Gen	Parbhani Moti	16750	11	28	31600	14850	0.89





S. No.	Name of farmers & village, Block, District, Pin code	Aadhar No. & (Contact No.)	Age (yrs.)	Cast category (Male/Female)	Sorghum cultivar	Cost of production (Rs./ha)	Yield (q/ha)		Gross return (Rs./ha)	Net return (Rs./ha)	B:C ratio
							Grain	Fodder			
129	Tanaji Pralhad Gophane Bothra		54	OBC	Parbhani Moti	16500	10	25.5	28750	12250	0.74
130	Utreshwar Parilhad Gophane		36	OBC	Parbhani Moti	16500	10	25.5	28750	12250	0.74
131	Angad Murlidhar Londhe		50	SC	Parbhani Moti	16750	12.5	30	35000	18250	1.09
132	Shankar Kafinath Gophane		46	OBC	Parbhani Moti	16500	12	30	34200	17700	1.07
133	Dattu Dashrath Gophane	9960188726	35	OBC	Parbhani Moti	16750	14	33	38900	22150	1.32
134	Nagnath Dashrath Gophane		32	OBC	Parbhani Moti	16500	12	30	34200	17700	1.07
135	Ashok Pandurang More		55	Gen	Parbhani Moti	16500	15	35	41500	25000	1.52
136	Satish Shrihari Godage		34	OBC	Parbhani Moti	16700	12.5	30	35000	18300	1.10
137	Gokul Vitthal Gophane		54	OBC	Parbhani Moti	16800	17	41	47700	30900	1.84
138	Pralhad Sitaram Gophane		42	OBC	Parbhani Moti	16800	12	31	34700	17900	1.07
139	Mahadev Murlidhar Gophane		45	OBC	Parbhani Moti	16500	11	28	31600	15100	0.92
140	Dayanand Shrihari Godage		40	OBC	Parbhani Moti	16700	20	48	56000	39300	2.35
141	Subrav Vitthal Gophane		36	OBC	Parbhani Moti	16800	18.5	41	50100	33300	1.98
142	Chandrakant Subrav Gophane		53	OBC	Parbhani Moti	16700	14.5	32	39200	22500	1.35
143	Bharat Sambhaji Londhe		43	SC	Parbhani Moti	16500	18	45	51300	34800	2.11
150	Maruti Dyandev Shelke		52	Gen	Parbhani Moti	16125	18	46	51800	35675	2.21
145	Santosh Sambhaji Londhe		45	SC	Parbhani Moti	16300	18	46	51800	35500	2.18
146	Ganesh Babasaheb Kokate		42	NT	Parbhani Moti	16500	13	30	35800	19300	1.17
147	Lakshman Sahebrao Gophane		36	OBC	Parbhani Moti	16500	12	30	34200	17700	1.07
148	Adikrao Ravsaheb Kokate		32	NT	Parbhani Moti	16750	17.5	50	50000	33250	1.99
149	Sunil Ramesh Gophane		50	OBC	Parbhani Moti	16500	12.5	31	35500	19000	1.15
150	Manohar Sopan Gophane		55	OBC	Parbhani Moti	16750	12.5	31	35500	18750	1.12
	<b>Javala Tq. Bhum Dist. Osmanabad</b>										
151	Prabhu Parsu Waghmare	8888505901	56	SC	CSV 29 R	16650	13	35	38300	21650	1.30
152	Sukhdev Gorakh Karkar	7038866730	59	ST	CSV 29 R	16650	15	40	50000	27350	1.64
153	Gahinath Shivaji Waghmare	9860707253	26	SC	CSV 29 R	16775	20	51	57500	40725	2.43
154	Mahavir Gopinath Waghmare	9763884798	36	SC	CSV 29 R	16525	20	51	57500	40975	2.48
155	Dattatray Ganpati Wagh	9657695091	35	OBC	CSV 29 R	16900	21	53	60100	43200	2.56
156	Kiran Dadasaheb Gavare	9922171031	38	SC	CSV 29 R	16950	19	49	54900	37950	2.24
157	Rajendra Gorde		40	Gen	CSV 29 R	16775	19	46	53400	36625	2.18
158	Mangal Sudhakar Patil	9689891350	55	Gen	CSV 29 R	16900	21	50	58600	41700	2.47
159	Purbha Shirpat Wagh		52	OBC	CSV 29 R	16400	19.5	50	56200	39800	2.43
160	Bhgwat Sopanrao Wagh		45	OBC	CSV 29 R	16900	17	45	49700	32800	1.94
161	Jayram Kondiba Patil		40	Gen	CSV 29 R	17025	17	45	49700	32675	1.92
162	Ramakant Aabasaheb Patil		42	Gen	CSV 29 R	17200	17	45	49700	32500	1.89
163	Ravi Kantarao Patil		35	Gen	CSV 29 R	17100	15	40	50000	26900	1.57
164	Bhimrao Dadasaheb Gavare		48	SC	CSV 29 R	16650	19	49	54900	38250	2.30
165	Gajendra Ramakant Gorde		40	Gen	CSV 29 R	16775	19	46	53400	36625	2.18
166	Lalasaheb Vijayrao Karkar		55	ST	CSV 29 R	16525	24.5	60	69200	52675	3.19
167	Ramdas Prakash Karkar		60	ST	CSV 29 R	16975	13	33	37300	20325	1.20
168	Anna Dhondiba Waghmare		49	SC	CSV 29 R	16900	17	45	49700	32800	1.94
169	Shivaji Machindra Patil		65	Gen	CSV 29 R	16775	18	46	51800	35025	2.09
170	Govind Marotrao Patil		54	Gen	CSV 29 R	16650	25	60	70000	53350	3.20

**Annexure-II. Results of rabi FLD on Sorghum organized by CRS, Solapur**

S. No.	Name of farmers & village,Block, District, Pin code	Aadhar number & (Contact No.)	Age (yrs.)	Education in yrs.	Caste category (Male/Female)	Sorghum cultivar	Cost of production (Rs./ha)	Yield (q /ha)		Gross return (Rs./ha)	Net return (Rs./ha)	B:C ratio
								Grain	Fodder			
<b>Village: Mulegaon Taluka: South Solapur, Dist. Solapur</b>												
1	Shri. Ramchandra Nagnath Birajdar	Aadhar No: 250518986135 Mo. No: 9049124875	60	1	General (Male)	CSV 29R	9113	19.25	25.00	63700	54587	5.99
2	Shri. Vijaykumar Nagnath Birajdar	Mo. No: 9326801335	65	11	General (Male)	Phule Suchitra	9353	22.00	45.00	84300	74947	8.01
3	Shri. Suryakant Nagnath Birajdar	Aadhar No: 531773307820 Mo. No: 9923857305	62	14	General (Male)	CSV 26R	10410	18.75	30.00	61125	50715	4.87
4	Shri. Narayan Baburao Kakade	Aadhar No: 221083114735 Mo. No: 9011599517	66	0	General (Male)	Phule Suchitra	10950	20.50	37.50	75450	64500	5.89
5	Shri. Bramhanath Annarao Patil	Aadhar No: 310643366679 Mo. No: 9527174949	41	7	General (Male)	CSV 29R	11593	25.00	40.00	88000	76407	6.59
6	Shri. Bramhanath Annarao Patil	Aadhar No: 310643366679 Mo. No: 9527174949	41	7	General (Male)	Phule Revati	10973	28.00	48.00	100800	89827	8.19
7	Shri. Tukaram Annarao Patil	Aadhar No: 475029818669 Mo. No: 9420808491	48	9	General (Male)	CSV 26R	6873	5.00	16.00	23200	16327	2.38
8*	Shri. Kashinath Suresh Kakade	Mo. No: 8421491717		0	General (Male)	Phule Revati		vitied				
9*	Shri. Kashinath Suresh Kakade	Mo. No: 8421491717		0	General (Male)	CSV 29R		vitied				
10	Shri. Tammanna Parshuram Mhetre	Aadhar No: 456730315022 Mo. No: 7709673225	46	7	OBC (Male)	Phule Suchitra	10170	15.00	30.50	57350	47180	4.64
11*	Shri. Vijaykumar Sheshrao Patil	Mo. No: 9822536307	45	7	General (Male)	Phule Revati		vitied	vitied			
12	Sou. Chhayabai Shankar Mali	Aadhar No: 250917515950 Mo. No: 9403294890	71		OBC (Female)	CSV 29R	9933	18.00	30.00	64200	54267	5.46
<b>Village: Doddi Taluka: South Solapur, Dist. Solapur</b>												
13	Shri. Ankush Baburao Patil	Aadhar No: 324616417483 Mo. No: 9765525901	65	3	General (Male)	Phule Revati	3405	1.25	6.50	6250	2845	0.84
14	Shri. Govind Ankush Patil	Aadhar No: 485642707746 Mo. No: 9763815812	29	15	General (Male)	CSV 26R	4230	2.50	12.50	12250	8020	1.90
15	Shri. Sandeep Martand Yervade	Mo. No: 9604364071	21	18	ST (Male)	CSV 26R	11277	15.00	25.00	53500	42223	3.74
16	Shri. Sandeep Martand Yervade	Mo. No: 9604364071	21	18	ST (Male)	Phule Suchitra	11277	20.00	30.00	69000	57723	5.12
17	Shri. Yashwant Baburao Patil	Mo. No: 8421737997		0	General (Male)	CSV 26R	3203	4.00	7.00	14500	11297	3.53
18	Shri. Yashwant Baburao Patil	Mo. No: 8421737997		0	General (Male)	Phule Suchitra	3223	5.00	8.00	17600	14377	4.46
19	Shri. Umakant Ramchandra Potdar	Aadhar No: 633042425897 Mo. No: 9850752822	60	4	OBC (Male)	Phule Revati	6312	8.75	20.00	35000	28688	4.54
20	Shri. Umakant Ramchandra Potdar	Aadhar No: 633042425897 Mo. No: 9850752822	60	4	OBC (Male)	CSV 29R	6772	7.00	17.50	29050	22278	3.29
21	Shri. Amogsidha Kallappa Kumbhar	Mo. No: 9130502239	59	3	General (Male)	Phule Suchitra	5275	4.50	15.00	18300	13025	2.47
22	Shri. Amogsidha Kallappa Kumbhar	Mo. No: 9130502239	59	3	General (Male)	CSV 26R	5245	5.00	12.50	20750	15505	2.96
23*	Shri. Shivaji Daji Patil	Mo. No: 9921552929		0		Phule Revati		vitied	vitied			
24*	Shri. Shivaji Daji Patil	Mo. No: 9921552929		0		CSV 29R		vitied	vitied			
25	Shri. Danappa Ganpati Chougule	Aadhar No: 513465865305 Mo. No: 9922167212	55	9	OBC (Male)	Phule Suchitra	8120	16.25	25.00	56500	48380	5.96
26	Shri. Swapnil Pandit Kulkarni	Mo. No: 7709699387	26	10	General (Male)	Phule Revati	11150	25.00	40.00	80000	68850	6.17

**Annexure-III. Results of rabi FLD on Sorghum organized by AICRP Sorghum, Rahuri**

S. No.	Name of farmers Post Tambhere Tahsil - Rahuri District- Ahmednagar	Adhar card No.	Age (yrs.)	Education in yrs.	Caste category (Male/Female)	Sorghum cultivar	Cost of production (Rs./ha)	Yield (q /ha)		Gross return (Rs./ha)	Net return (Rs./ha)	B:C ratio
								Grain	Fodder			
1	Shri. Sahebrav Lakshman Musmade	8943 7562 6472	65	10 <sup>th</sup>	OBC	Suchitra	21100	17.00	35.00	46250	25150	2.19
2	Shri. Sahebrav Premraj Pawar	Nil	60	-	OBC	Suchitra	21100	20.00	52.00	58200	37100	2.76
3	Shri.Aabasaheb Dhoneba Musmade	Nil	55	2nd	OBC	Suchitra	21100	18.50	52.00	55200	34100	2.62
4	Shri. Namdev Bhau Musmade	Nil	80	10th	OBC	Suchitra	21100	16.00	41.00	46350	25250	2.20
5	Shri. Sopan Dhondeba Gagare	4122 6328 6736	45	9 <sup>th</sup>	OBC	Suchitra	21100	19.00	58.00	58300	37200	2.76
6	Shri.Dadasaheb Dhoneba Gagare	5340 8085 3367	48	9 <sup>th</sup>	OBC	Suchitra	21100	18.00	48.00	52800	31700	2.50
7	Shri.Sangharsh Ashok Hunde	3230 9152 3246	25	Nur.	OBC	Suchitra	21100	19.00	38.00	51300	30200	2.43
8	Shri. Vedant Aappasaheb Hunde	5263 9559 2121	16	10 <sup>th</sup>	OBC	Suchitra	21100	15.50	42.00	45700	24600	2.17
9	Shri. Mohan Baburav Belkar	6231 0658 6457	72	7 <sup>th</sup>	OBC	Suchitra	21100	21.00	58.00	62300	41200	2.95
10	Shri. Mohan Raghunath Musmade	Nil	52	5th	OBC	Suchitra	21100	16.50	51.00	50850	29750	2.41
11	Shri. Babasaheb Rajaram Gagare	Nil	40	10th	OBC	Suchitra	21100	20.00	50.50	57675	36575	2.73
12	Sms. Sunita Anil musmade	Nil	35	10 <sup>th</sup>	OBC	Suchitra	21100	15.00	40.50	50175	23075	2.09
13	Shri. Changdev Radhaji Musmade	3106 9657 7582	56	2nd	OBC	Suchitra	21100	16.00	42.00	46700	25600	2.21
14	Sms. Sangita Gorakh Musmade	Nil	30	-	OBC	Suchitra	21100	19.00	48.00	54800	33700	2.60
15	Shri. Ganpat Aabaji Gagare	Nil	35	5th	OBC	Suchitra	21100	18.00	46.00	52100	31000	2.47
16	Shri. Bhanudas Aapaji Gagare	Nil	33	8th	OBC	Suchitra	21100	20.00	51.00	57850	36750	2.74
17	Shri. Subhash Eknath Belkar	3748 7496 8761	56	6 <sup>th</sup>	OBC	Suchitra	21100	15.50	41.00	45350	24250	2.15
18	Shri. Namdev Baburav Kote	5905 3848 8511	58	7 <sup>th</sup>	OBC	Suchitra	21100	18.00	48.50	52975	31875	2.51
19	Shri. Aannasaheb Rajabapu Musmade	8616 3156 7364	38	12	OBC	Suchitra	21100	19.50	50.50	56675	35575	2.69
20	Shri. Lakshiman Pandurang Gagare	6792 5632 2814	68	4 <sup>th</sup>	OBC	Suchitra	21100	18.00	47.00	52450	31350	2.49
21	Shri. Ravsaheb Pandurang Shelar	3627 5996 9333	60	5 <sup>th</sup>	OBC	Suchitra	21100	21.00	39.00	55650	34550	2.64
22	Shri. Aannasaheb Pandurang Gagare	4789 6201 9696	68	10 <sup>th</sup>	OBC	Suchitra	21100	18.00	48.00	52800	31700	2.50
23	Shri. Babasaheb Bhausaheb Musmade	2902 4538 0167	53	10 <sup>th</sup>	OBC	Suchitra	21100	22.00	54.00	62900	41800	2.98
24	Smt. Muktabai Bhanudas Gagare	Nil	58	7 <sup>th</sup>	OBC	Suchitra	21100	20.00	55.00	59250	38150	2.81
25	Shri. Satybham Aannasaheb Gagare	6417 3679 2341	62	-	OBC	Suchitra	21100	19.00	48.00	54800	33700	2.60
26	Shri. Bhausaheb Sakharan Belkar	8582 6032 0309	67	10 <sup>th</sup>	OBC	Suchitra	21100	15.00	46.00	46100	25000	2.18
27	Shri. Ramesh Sahebrav Gagare	6912 6168 6345	60	8th	OBC	Suchitra	21100	18.50	43.00	52050	30950	2.47
28	Sms. Candrkala Niuruti Gagare	8722 1660 8002	45	5	OBC	Suchitra	21100	20.00	48.00	56800	35700	2.69
29	Shri.Babasaheb Shirang Musmade	Nil	52	4 <sup>th</sup>	OBC	Suchitra	21100	16.50	51.00	50850	29750	2.41
30	Shri. Sarjerao Shirang Musmade	Nil	40	11th	OBC	Suchitra	21100	20.00	52.00	58200	37100	2.76
31	Shri Bhagavan Vittalal Sasane	8876 9235 4679	45	9 <sup>th</sup>	OBC	Suchitra	21100	25.00	48.00	66800	45700	3.17
32	Shri. Bhagavat Haribhau Musmade	5920 7757 6028	53	10 <sup>th</sup>	OBC	Suchitra	21100	20.00	45.00	55750	34650	2.64
33	Shri. Bhanudas Pandurang Gagare	8806 8184 0337	25	12 <sup>th</sup>	OBC	Suchitra	21100	17.50	45.00	50750	29650	2.41
34	Shri. Gangadhar Pandurang Gagare	9763 6028 1178	60	3rd	OBC	Suchitra	21100	21.00	47.00	58450	37350	2.77
35	Shri. Suresh Bhausaheb Musmade	Nil	55	8 <sup>th</sup>	OBC	Suchitra	21100	22.50	52.00	63200	42100	3.00
36	Shri. Sharad Ramnath Musmade	8413 7240 0006	32	12	OBC	Suchitra	21100	23.00	55.00	65250	50150	3.09
37	Shri. Namdev Baburav Kote	6912 6168 6345	50	10 <sup>th</sup>	OBC	Suchitra	21100	20.00	47.00	56450	35350	2.68
38	Sms. Alka Ramrav Musmade	9306 0966 4313	40	10 <sup>th</sup>	OBC	Suchitra	21100	21.00	46.00	58100	37000	2.75
39	Shri. Mahendra Raghunath Musmade	Nil	50	3rd	OBC	Suchitra	21100	15.50	52.00	49200	28100	2.33
40	Shri. Babasahev Rajaram Gagare	Nil	45	2 <sup>nd</sup>	OBC	Suchitra	21100	22.50	45.00	60750	39650	2.88
41	Shri. Narayan Gangadhar Gagare	5650 4350 9875	42	10th	OBC	Suchitra	21100	20.50	48.00	57800	36700	2.74
42	Shri. Venunth Aabaji Gagare	9188 5431 6165	45	7 <sup>th</sup>	OBC	Suchitra	21100	23.00	46.00	62100	41000	2.94
43	Shri. Lakshaman Parvat Gagare	5477 4398 4873	62	11 <sup>th</sup>	OBC	Suchitra	21100	22.00	45.00	59750	38650	2.83



S. No.	Name of farmers Post Tambhere Tahsil - Rahuri District - Ahmednagar	Adhar card No.	Age (yrs.)	Education in yrs.	Caste category (Male/Female)	Sorghum cultivar	Cost of production (Rs./ha)	Yield (q/ha)		Gross return (Rs./ha)	Net return (Rs./ha)	B:C ratio
								Grain	Fodder			
50	Shri. Suresh Radhakisan Gagare	6557 8474 7469	55	10th	OBC	Suchitra	21100	18.00	45.00	51750	30650	2.45
45	Sms. Mathurabai Radhakisan Gagare	9288 3324 0842	65	-	OBC	Suchitra	21100	23.00	50.00	61400	40300	2.91
46	Shri. Dadasaheb Dagdu Gagare	Nil	52	3rd	OBC	Suchitra	21100	21.00	40.00	56000	34900	2.65
47	Shri. Balasaheb Sahebrav Gagare	2756 6996 5432	40	10 <sup>th</sup>	OBC	Suchitra	21100	19.00	45.00	53750	32650	2.55
48	Shri. Baburav Ananda Musmade	Nil	35	5th	OBC	Suchitra	21100	20.00	43.00	55050	33950	2.61
49	Shri. Sanjay Sahebrav Musmade	Nil	40	10th	OBC	Suchitra	21100	21.00	42.00	56700	35600	2.69
50	Shri. Chandrbhan Savleram Gagare	2605 1755 5425	77	-	OBC	Suchitra	21100	19.00	48.00	54800	33700	2.60

#### Annexure- IV. Results of rabi FLD on Sorghum organized by AICRP Sorghum, Bijapur

S. No.	Name of farmers & Po: Nandyal Tq: B. Bagewadi, Dist: Vijayapur, Pin-5861 031	Aadhar number & (Contact No.)	Age (yrs.)	Caste category (Male/Female)	Sorghum area (ha)	Sorghum cultivar	Cost of production (Rs./ha)	Yield (q/ha)		Gross return (Rs./ha)	Net return (Rs./ha)	B:C ratio
								Grain	Fodder			
1	Ravindra Basappa Avarasangh	910849885727	38	OBC (M)	1.00	CSV 29R	11283	12.50	35	54000	42717	2.0
2	Sashikant sidramappa Kudagi	524659855372	49	OBC (M)	2.00	CSV 29R	11283	14.00	40	61000	49717	2.3
3	Kallappa G. Pattanad		49	SC (M)	2.00	CSV 29R	7383	0	5	3250	-4133	0.4
4	Kallappa baramapp Basarkod		51	OBC (M)	1.00	CSV 29R	11283	11.50	30	48250	36967	1.7
5	Basappa Paramappa Basarkhod		38	OBC (M)	2.00	CSV 29R	11283	12.50	36	54650	43367	2.1
6	Mallappa Sangappa Handi		52	OBC (M)	3.00	CSV 29R	7383	0.00	8	5200	-2183	0.7
7	Mahesh Subash Badagandi	513198006241	46	GM (M)	2.00	CSV 29R	11283	14.00	42	62300	51017	2.4
8	Sidramappa S. Kudagi	990130076748	54	GM (M)	1.00	CSV 29R	11283	13.75	40	60375	49092	2.3
9	Kallappa Chandappa Sindagi	990130076748	45	GM (M)	1.00	CSV 29R	7383	0.00	4	2600	-4783	0.4
10	N Sanganabasappa Sanabanki		51	OBC (M)	2.00	CSV 29R	11283	13.25	34	55225	43942	2.0
11	Mallappa Paramappa Badagandi	733161320935	42	SC (M)	2.00	CSV 29R	11283	14.00	46	64900	53617	2.7
12	Adiveppa Irappa Kumashi	538359458473	45	OBC (M)	3.00	CSV 29R	11283	13.00	40	58500	47217	2.3
13	Chidanand Mallappa Kalamani	266905272381	41	SC (M)	2.00	CSV 29R	11283	12.50	34	53350	42067	2.0
14	Renuka Rajasekhar Sanabanki		43	OBC (F)	2.00	CSV 29R	11283	12.50	36	54650	43367	2.1
15	Ashok Sivappa Karabantnal		55	OBC	1.00	CSV 29R	11283	13.50	41	60400	49117	2.4
16	Parasappa Balappa Salabad		46	GM	1.00	CSV 29R	11283	12.50	36	54650	43367	2.1
17	Sangappa Basappa Kumashi		52	OBC	2.00	CSV 29R	11283	12.50	34	53350	42067	2.0
18	Siddappa Sanganabasapp Teggi		41	OBC (M)	2.00	CSV 29R	11283	13.00	38	57200	45917	2.2
19	Mallappa Shivappa Kumashi		46	OBC (M)	2.00	CSV 29R	11283	14.00	45	64250	52967	2.6
20	Mudakappa Gaddeppa Burali	7131623652	56	SC (M)	2.00	CSV 29R	11283	11.50	32	49550	38267	1.8
21	Desappa Havalappa Guled	981054981777	50	SC (M)	1.00	CSV 29R	11283	13.00	38	57200	45917	2.2
22	G Shivalingappa Kuginav	2857077514568	58	SC (M)	1.00	CSV 29R	11283	13.00	40	58500	47217	2.3
23	Gurappa Basappa Kumashi		39	OBC (M)	3.00	CSV 29R	11283	11.75	33	50825	39542	1.9
24	Sangamesh Gurabasapp Benki		35	OBC (M)	2.00	CSV 29R	11283	12.50	31	51400	40117	1.8
25	Ashok Mamalappa Sanabanki		50	OBC (M)	3.00	CSV 29R	11283	14.00	45	64250	52967	2.6
26	Saranavva Sidram Madar		40	SC (M)	1.00	CSV 29R	11283	13.50	40	59750	48467	2.3
27	Kantappa Sidramappa Avarasangh	648842833046	45	OBC (M)	1.00	CSV 29R	11283	14.00	46	64900	53617	2.7
28	Shrishail Paramappa Badagandi		48	SC (M)	1.00	CSV 29R	11283	13.50	40	59750	48467	2.3
29	Malakappa Irappa Kumashi		46	OBC (M)	3.00	CSV 29R	11283	14.00	47	65550	54267	2.7
30	Bouramma Danappa		42	OBC (F)	2.00	CSV 29R	11283	12.00	34	52100	40817	2.0
31	Santabhai Basappa Benki	780383860963	45	OBC (M)	2.00	CSV 29R	11283	13.75	39	59725	48502	2.2
32	Sangappa Channappa Kakandaki	599993814764	48	OBC (M)	1.00	CSV 29R	11283	14.00	41	61650	50367	2.4
33	Basappa Kallappa Teli	572437096473	60	OBC (M)	2.00	CSV 29R	11283	13.50	37	57800	46517	2.1



S. No.	Name of farmers & Po: Nandyal Tq: B. Bagewadi, Dist: Vijayapur, Pin-5861 031	Aadhar number & (Contact No.)	Age (yrs.)	Caste category (Male/Female)	Sorghum area (ha)	Sorghum cultivar	Cost of production (Rs./ha)	Yield (q /ha)		Gross return (Rs./ha)	Net return (Rs./ha)	B:C ratio
								Grain	Fodder			
34	Ramanna Channappa Kakandaki	522970367425	53	OBC (M)	2.00	CSV 29R	11283	14.00	45	64250	52967	2.6
35	Gangappa Mallappa Ganganalli		45	SC (M)	2.00	CSV 29R	11283	13.50	40	59750	48467	2.3
36	Ninganagouda Guranagouda Patil	88790865851	45	GM (M)	3.00	CSV 29R	11283	12.50	38	55950	50667	2.2
37	Muttappa Basappa Sarawad	974825302521	33	OBC (M)	3.00	CSV 29R	7383	0.00	8	5200	-2183	0.7
38	Buparaya Irabasappa Kudagi	829369760650	46	OBC (M)	2.00	CSV 29R	11283	12.50	37	55300	50017	2.1
39	Digambareppa Sidramappa Avarasang	420362621293	59	OBC (M)	3.00	CSV 29R	11283	13.00	39	57850	46567	2.2
40	Basavaraja Balappa Kumashi	815747582122	45	OBC (M)	2.00	CSV 29R	11283	11.50	32	49550	38267	1.8
41	Basappa Shivappa Benki		58	OBC (M)	2.00	CSV 29R	11283	13.00	40	58500	47217	2.3
42	Ravi Sidramappa Kumashi		35	OBC (M)	3.00	CSV 29R	11283	14.00	46	64900	53617	2.7
43	Mamalappa sanabenki		50	OBC (M)	2.00	CSV 29R	11283	13.50	39	59100	47817	2.2
50	Bagappa Sangaondappa Hadimani		40	SC (M)	2.00	CSV 29R	11283	14.00	40	61000	49717	2.3
45	Gurappa Shivappa Bajantri		45	SC (M)	2.00	CSV 29R	11283	12.50	33	52700	41417	1.9
46	Ningondappa Gurubasappa Benki		48	OBC (M)	3.00	CSV 29R	11283	12.50	36	54650	43367	2.1
47	Kallappa Gulappa Joti		41	OBC (M)	2.00	CSV 29R	11283	13.00	39	57850	46567	2.2
48	Hasansa Kamalsa		39	OBC (M)	2.00	CSV 29R	11283	14.50	48	67450	56167	2.8
49	Ashok Shivappa Karbantnal		45	OBC (M)	1.00	CSV 29R	11283	12.50	34	53350	42067	2.0
50	Shivakumar ashok Kumashi		55	OBC (M)	2.00	CSV 29R	11283	11.75	31	49525	38242	1.8

### Annexure-V. Results of rabi FLD on Sorghum organized by AICRP Sorghum, Surat

S. No.	Name of farmers (Contact No.) & village,Block, District, Pin code	Age (yrs.)	Education in yrs.	Caste category	Sorghum area (ha)	Sorghum cultivar	Cost of production (Rs./ha)	Yield (q /ha)		Gross return (Rs./ha)	Net return (Rs./ha)	B:C ratio
								Grain	Fodder			
Vill.- Ghuntoli, Ta:- Mandvi, Dis.-: Surat												
1	Mailben Kiliyabhai Chaudhari	50	-	ST	0.4	CSV 22R	26550	20	68	32272	5722	0.216
2	Hasamukhbhai V. Chaudhari	45	12	ST	0.4	CSV 22R	16590	0	0	0	-16590	Failed
3	Mamataben Bhuliyabhai Chaudhari	48	-	ST	0.4	CSV 22R	26550	23	70	37080	10530	0.397
Vill.- Talavkhurd, Ta:- Mandvi, Dis.-: Surat												
4	Sureshbhai Maganbhai Chaudhari	42	MA, BRS	ST	0.4	CSV 22R	26550	21	73	33892	7342	0.277
5	Bhavsingbhai Korabhai Chaudhari	32	-	ST	0.4	CSV 22R	26550	20	65	32260	5710	0.215
6	Dursibhai Dulabhai Chaudhari	38	10	ST	0.4	CSV 22R	26550	24	70	38680	12130	0.457
7	Ravjibhai Nagjibhai Chaudhari	49	BA	ST	0.4	CSV 22R	16590	0	0	0	-16590	Failed
8	Gulabbhai Maganbhai Chaudhari	52	7	ST	0.4	CSV 22R	16590	0	0	0	-16590	Failed
Vill.- Kalamkuva, Ta:- Mandvi, Dis.-: Surat												
9	Guljibhai Paniyabhai Chaudhari	35	8	ST	0.4	CSV 22R	26550	21	67	33868	7318	0.276
10	Vanmalibhai Paniya Chaudhari	30	12	ST	0.4	CSV 22R	16590	0	0	0	-16590	Failed
11	Chhotu Mitara Chaudhari	52	MA	ST	0.4	CSV 22R	26550	24	71	38684	12134	0.457
12	Danabhai Amasiya Chaudhari	31	10	ST	0.4	CSV 22R	26550	21	64	33856	7306	0.275
13	Varhabhai Chogadabhai Chaudhari	45	12	ST	0.4	CSV 22R	26550	20	65	32260	5710	0.215
14	Gumanbhai Ashnabhai Chaudhari	37		ST	0.4	CSV 22R	26550	22	65	35460	8910	0.336
15	Hashamukhbhai Revjibhai	48	8	ST	0.4	CSV 22R	16590	0	0	0	-16590	Failed
Village:- Mohini, Ta:- Songadh, Dis.-: Tapi												
16	Vasava Kishanbhai Kathabhai	30	8	ST	0.4	CSV 22R	26550	24	67	38668	12118	0.456
17	Vasava Dilipbhai Jirabhai	33	6	ST	0.4	CSV 22R	26550	21	68	33872	7322	0.276
18	Vasava Jagdishbhai Bharjibhai	38	7	ST	0.4	CSV 22R	16590	0	0	0	-16590	Failed
19	Vasava Birbalbhai Soqajibhai	62	5	ST	0.4	CSV 22R	26550	23	65	37060	10510	0.396



S. No.	Name of farmers (Contact No.) & village,Block, District, Pin code	Age (yrs.)	Education in yrs.	Caste category	Sorghum area (ha)	Sorghum cultivar	Cost of production (Rs./ha)	Yield (q /ha)		Gross return (Rs./ha)	Net return (Rs./ha)	B:C ratio
								Grain	Fodder			
20	Vasava Tivajibhai Dasarhbhai	57	4	ST	0.4	CSV 22R	26550	24	69	38676	12126	0.457
21	Vasava Devjibhai Alubhai	35	BRS	ST	0.4	CSV 22R	16590	0	0	0	-16590	Failed
Village:- Uchamala, Ta:- Vyara, Dis:- Tapi												
22	Gamit Shaileshbhai Hirjibhai	47	10	ST	0.4	CSV 22R	26550	21	71	33884	7334	0.276
23	Gamit Dharmeshbhai Shaileshbhai	54	7	ST	0.4	CSV 22R	16590	0	0	0	-16590	Failed
24	Gamit Lalshingbhai Ratanbhai	31	12	ST	0.4	CSV 22R	26550	25	71	40284	13734	0.517
25	Gamit Kalpeshbhai Bachubhai	39	10	ST	0.4	CSV 22R	26550	21	68	33872	7322	0.276
Vill:- Sathavav, Ta:- Mandvi, Dis:- Surat												
26	Maghabhai Nanabhai	55	10	ST	0.4	CSV 29R	26550	20	68	32272	5722	0.216
27	Somjibhai Naktabhai	60	BA	ST	0.4	CSV 29R	26550	24	69	38676	12126	0.457
28	Kiritbhai Lalajibhai	32	BRS	ST	0.4	CSV 29R	26550	25	69	40276	13726	0.517
29	Dhanabhai Khimabhai	70		ST	0.4	CSV 29R	26550	21	61	33850	7294	0.275
30	Virshingbhai Chiparabhai	53	7	ST	0.4	CSV 29R	26550	22	63	35452	8902	0.335
Vill:- Amalsadi, Ta:- Mandvi, Dis:- Surat												
31	Ishvarbhai Somjibhai	60		ST	0.4	CSV 29R	26550	23	60	37040	10490	0.395
32	Rayabhai Luchchabhai	42	8	ST	0.4	CSV 29R	26550	26	67	41868	15318	0.577
33	Machhabhai Dhedabhai	68	7	ST	0.4	CSV 29R	16590	0	0	0	-16590	Failed
34	Dhirubhai Ramajibhai	35	-	ST	0.4	CSV 29R	16590	0	0	0	-16590	Failed
35	Sevajibhai Jatariyabhai	40	12	ST	0.4	CSV 29R	16590	0	0	0	-16590	Failed
36	Rajubhai Vanmalibhai	51	10	ST	0.4	CSV 29R	26550	25	64	40256	13706	0.516
Vill:- Ishar, Ta:- Mandvi, Dis:- Surat												
37	Ramanbhai Mangalbhai	52	BA	ST	0.4	CSV 29R	26550	26	66	41864	15314	0.577
38	Lalajibhai Devjibhai	72	-	ST	0.4	CSV 29R	16590	0	0	0	-16590	Failed
39	Rajanbhai Meghalabhai	60	12	ST	0.4	CSV 29R	26550	24	61	38650	12094	0.456
40	Bharjibhai Dubalbhai	48	10	ST	0.4	CSV 29R	26550	21	69	33876	7326	0.276
41	Nileshbhai Harsavbhai	40	5	ST	0.4	CSV 29R	26550	20	60	32240	5690	0.214
Village:- Amalasaki, Ta:- Mandvi, Dis:- Surat												
42	Mohanbhai Nagajibhai Chaudhari	40	6	ST	0.4	CSV 29R	26550	22	65	35460	8910	0.336
43	Babubhai Chhhabhai Chaudhari	60	2	ST	0.4	CSV 29R	26550	21	64	33856	7306	0.275
50	Rakeshbhai Vasantbhai Chaudhari	45	7	ST	0.4	CSV 29R	26550	23	68	37072	10522	0.396
45	Mohanbhai Nagajibhai Chaudhari	24	12	ST	0.4	CSV 29R	26550	25	65	40260	13710	0.516
46	Vasantbhai Bhanabhai Chaudhari	40	10	ST	0.4	CSV 29R	26550	25	69	40276	13726	0.517
Village:- Sathavav, Ta:- Mandvi, Dis:- Surat												
47	Ranjitbhai Rangajibhai Chaudhari	58	10	ST	0.4	CSV 29R	16590	0	0	0	-16590	Failed
48	Ramsingbhai Machabhai Chaudhari	61	-	ST	0.4	CSV 29R	16590	0	0	0	-16590	Failed
49	Kamitaben Machabhai Chaudhari	60	6	ST	0.4	CSV 29R	26550	21	65	33860	7310	0.275
50	Ranaben Veljibhai Chaudhari	58	4	ST	0.4	CSV 29R	16590	0	0	0	-16590	Failed

### Annexure-VI. Results of rabi FLD on Sorghum organized by AICRP Sorghum, Tandur

S. No.	Name of farmers Vil Allapur mandal Basheerabad Dist Vikarabad	Aadhar No (Contact NO)	Age (yr.)	Caste category	Sorghum area (ha)	Cost of production (Rs./ha)	Yield (q /ha)		Gross return (Rs./ha)	Net return (Rs./ha)	B:C ratio
							Grain	Fodder			
1	Ramesh S/o Bichappa	403559807725 (9701055208)	45	SC (M)	0.8	16750	16.20	46.00	61460	50710	2.67
2	Shekar goud S/o Bheemaiah	981624659537 (9866391283)	42	BC (M)	0.9	15900	20.50	45.60	68235	52335	3.29
3	Shyamaiah Goud S/o Narsaiah	709875895015 (9603759046)	55	BC (M)	0.7	16000	19.40	56.40	69210	53210	3.33



S. No.	Name of farmers Vil Allapur mandal Basheerabad Dist Vikarabad	Aadhar No (Contact NO)	Age (yr.)	Caste category	Sorghum area (ha)	Cost of production (Rs./ha)	Yield (q/ha)		Gross return (Rs./ha)	Net return (Rs./ha)	B:C ratio
							Grain	Fodder			
4	K.Sayappa S/o Bavanappa	369434545135 (9701055208)	46	SC(M)	0.9	15100	16.60	52.60	60740	45640	3.02
5	Mangamma W/o Mohan Goud	632732314156 (9500699045)	50	BC (F)	0.6	15890	17.30	55.30	63470	47580	2.99
6	Gunamma W/o Hanmappa	708204731486 (9500001673)	48	SC (F)	0.8	14950	18.60	48.60	65040	49490	3.31
7	Yesaiah S/o Bichappa	845803976247 (9701055208)	58	SC (M)	0.9	15950	16.40	40.60	56030	40080	2.51
8	Narsimulu S/o Laxmaiah	547060175565 (9500001673)	45	SC (M)	0.8	15850	16.80	42.60	57750	41900	2.64
9	Shankar S/o Budappa	482152530336 (9177930463)	40	BC (M)	0.8	16270	19.60	58.60	70490	54220	3.33
10	Gopal S/o Revya nayak	237676729799 (9491239160)	40	ST (M)	1	16000	21.20	60.20	75130	59130	3.70
11	Sattaiah S/o Shivappa	739632018985 (9490559173)	42	SC (M)	0.6	16050	16.60	51.60	60390	50340	2.76
12	Janardhan S/o Hanmappa	395409869414 (9701055208)	46	SC (M)	0.8	15800	15.60	42.50	54655	38855	2.46
13	Pavan Rathod S/o Laxman Singh	294529158370 (no number)	48	ST (M)	0.7	16370	18.60	52.30	65735	49365	3.02
14	M.laxmaiah S/o Hanumappa	275878968249 (8186007787)	48	BC (M)	0.8	16050	14.60	43.50	52455	36405	2.27
15	Chinna Yellappa S/o Ramappa	341885782500 (9701055209)	43	SC (M)	0.9	16250	16.50	41.50	56600	40350	2.48
<b>Vil nawandgi mandal Basheerabad Dist Vikarabad</b>											
16	Anoop Kishore S/o Hariprasad	753050626465 (9501536721)	38	BC (M)	0.8	15620	19.60	53.30	68635	53015	3.39
17	Vijay S/o Babulal	981473610307 (8096511346)	42	BC (M)	0.9	16700	21.20	58.60	74570	57870	3.47
18	Rajini W/o Sunil	515197269241 (9501536210)	35	BC (F)	0.7	15800	18.50	48.90	64290	48490	3.07
19	Sunil Prasad S/o Shivalal	858408566074 (9501536721)	30	BC (M)	0.8	14960	16.80	46.50	59115	50155	2.95
20	Hanmaiah S/o Chennaiah	21803988510 (9959388482)	41	BC (M)	0.8	16460	20.40	53.40	70710	54250	3.30
21	Laxmaiah S/o Chennaiah	235610850669 (9959388486)	45	BC (M)	0.9	16600	21.30	59.50	75140	58540	3.53
<b>Vil Damarched mandal Basheerabad Dist Vikarabad</b>											
22	N Venkataiah S/o Thippanna	955981494954 (9618973641)	49	OC (M)	0.8	15470	16.60	45.20	58150	42680	2.76
23	B.Laxmaiah S/o Peddanna	717150132122 (9618973641)	50	OC (M)	0.7	16750	19.60	53.60	68740	51990	3.10
24	Naresh S/o Narsimlu	851708325287 (9618973641)	42	OC (M)	0.8	16050	18.50	49.20	64395	48345	3.01
25	G Srinivas Reddy S/o Hanimi Reddy	235418869299 (9618973641)	41	OC (M)	0.8	16700	19.80	55.20	69810	53110	3.18

### Annexure-VII. Farmer's list of sorghum FLD in rice fallows

S. No.	Name of farmers & village, Block, District, Pin code	Contact No.	Sorghum Hybrid	Area (ha)	Date of sowing
1	Naidu Pashupathi S/o Sri RamaRao, Penumuli village, Duggirala Md., Tenali.	9963863487	CSH-25	0.4	02.01.16
2	Naidu SambasivaRao S/o RamaRao, Penumuli village, Duggirala Md., Tenali.	9963863487	CSH-25	0.4	02.01.16
3	Danaboina yallamandaRao S/o Kotaiah, Chintalapudi village Duggirala Md., Tenali.	9966746879	CSH-25	0.4	02.01.16
4	Danaboina Sambaiah S/o Kotaiah, Chintalapudi village Duggirala Md., Tenali.	9966746879	CSH-25	0.4	03.01.16
5	Guduru Venkateswarao S/o BabuRao Srungarapuram village Duggirala Md., Tenali.	9705381136	CSH-25	0.4	31.12.15
6	Talasila SambasivaRao S/o Durga Prasad Srungarapuram village Duggirala Md., Tenali	9550864750	CSH-25	0.4	30.12.15
7	Aluru Raghava Rao S/o Venkatasubbaiah Srungarapuram village Duggirala Md., Tenali	9052937067	CSH-25	0.4	29.12.15
8	Penumaka Srinivasarao S/o Venkateswaro Srungarapuram village Duggirala Md., Tenali	9912527407	CSH-25	0.4	31.12.15
9	Pendurthi Sivaramakridhna S/o Bapaiah Srungarapuram village Duggirala Md., Tenali	9346960727	CSH-25	0.4	30.12.15
10	Vemuri Rajarao S/O Daniel Vemuru Md., Tenali	8121221751	CSH-25	0.4	22/12/2015
11	Vemuri.Nagulaiah S/O Rajarao Vemuru Md., Tenali	9573265119	CSH-16	0.4	24/12/2015
12	Rama Pawan kumar S/O Koteeswarao Kuchellapadu village Vemuru Md., Tenali	9505964636	CSH-25	0.4	25/12/2015
13	Gavini Gopi Krishna S/O Vijayababu Jampani village Vemuru Md., Tenali	9701561545	CSH-25	0.4	23/12/2015
14	Shaik Khadarvali S/O Mahammad Jampani village Vemuru Md., Tenali	9951185927	CSH-25	0.4	1/1/2016
15	Chatragadda Suresh S/O Gantaiah Chadalawada village Vemuru Md., Tenali	9849222853	CSH-14	0.4	2/1/2016
16	Boghi Ankammarao S/O Peraiah Jampani village Vemuru Md., Tenali	9866822639	CSH-16	0.4	4/1/2016
17	Lavu Shankarao S/O Venkateswarlu Abbangudavalli village Vemuru Md., Tenali	9500016860	CSH-25	0.4	20/1/2016



18	Yallamali Rambabu S/O Rayudu varahapuram village Vemuru Md., Tenali	9985226524	CSH-14	0.4	16/1/2016
19	Aarumalla Adamu S/O Aseervadam varahapuram village Vemuru Md., Tenali	9505697717	CSH-16	0.4	18/1/2016
20	Saramekala Satyanarayana S/O Chintaiah Jampani village Vemuru Md., Tenali	9866822639	CSH-25	0.4	7/1/2016
21	Yellabati Raju S/O Adamu Vellababu village Vemuru Md., Tenali	9848145203	CSH-25	0.4	16/1/2016
22	Vallepalli Sivaiah S/O Kotaia, Siripuram village, Kollipara Md., Tenali	8142741193	CSH-25	0.4	27.12.15
23	Popuri Ramalingeswara Rao S/O Hymarao Siripuram village, Kollipara Md., Tenali	7382275204	CSH-25	0.4	27.12.15
24	Popuri Venkateswara Rao S/O Subbarao Siripuram village, Kollipara Md., Tenali	9391115226	CSH-25	0.4	29.12.15
25	Tella Surendra Kumar S/O Hymarao, Siripuram village, Kollipara Md., Tenali	9391115226	CSH-25	0.4	30.12.15
26	Mallampalli Yedukondalu S/O Potaraju Siripuram village, Kollipara Md., Tenali	9299152821	CSH-25	0.4	30.12.15
27	Ganipiseti Sivaramaiah S/O Nageswararao Danthalur village, Kollipara Md., Tenali	9493921129	CSH-14	0.4	30.12.15
28	Potabattuni Ramakrishna S/O Krishnarao Danthalur village, Kollipara Md., Tenali	9493921129	CSH-14	0.4	30.12.15
29	Bodapati Siva Ramaiah S/O Nancharaiah Danthalur village, Kollipara Md.,	9493921129	CSH-14	0.4	30.12.15
30	Ganipiseti Suryanarayana S/O Nageswararao Danthalur village, Kollipara Md., Tenali	9493921129	CSH-16	0.4	5.1.2016
31	Thullimilli Peda Basavaiah S/O Chintaiah Athota village, Kollipara Md., Tenali	9501692619	CSH-25	0.4	5.1.2016
32	Bollimuntha Ankamma Rao S/O Jaannaadham Athota village, Kollipara Md., Tenali	9505048847	CSH-16	0.4	2.1.2016
33	Gottumukkala Sridhar S/O Chandrasekhararao Devluru village, Kollipara Md., Tenali	9949934520	CSH 25	0.2	2.1.2016
34	Jonna Koteswararao S/O Narasimharao S.S.Palem village, Tenali Md.,	9949313667	CSH-14	0.4	21.12.2015
35	Vaka Nagarajuna S/O Subbarao S.S.Palem village, Tenali Md.,	9666168167	CSH-16	0.4	21.12.2015
36	Vaka Sivaiah S/O Sankarrao S.S.Palem village, Tenali Md.,	9949313667	CSH-25	0.4	21.12.2015
37	Adusumalli Puranachandarao S/O Satyanarayana Burripalem village, Tenali	9949501304	CSH-25	0.4	23.12.2015
38	Adusumalli Anjaiah S/O Satyanarayana Burripalem village Tenali	9949501304	CSH-25	0.4	23.12.2015
39	Pasupuleti Chinambaiah S/O Narasaiah Burripalem Tenali	7095649315	CSH-14	0.4	23.12.2015
40	Jetti Nagabushanarao S/O Ammaiah Nelapadu Tenali	9290099788	CSH-16	0.4	23.12.2015
41	Nannapaneni Sambasivarao S/O Venkateswararao Nelapadu Tenali	9963828049	CSH-25	0.4	23.12.2015
42	Nalliri Ragavendrao S/O Subbarao Nandivelugu Tenali Md.,	9985498827	CSH-25	0.4	23.12.2015
43	Seelam Venkat Ramaswamy S/O Venkatpparao Nandiveluu, Tenali	9949513765	CSH-25	0.4	22.12.2015
50	Kanapala Mohanrao S/O Naraimharao Kolakaluru Tenali	9849612900	CSH-25	0.8	23.12.2015
45	Perikala Rayappa S/O Balasoury Nelapadu Tenali	9501214787	CSH-25	0.4	22.12.2015
46	Guntupali SrinivasaRao Pedapalem, Tenali	9052937067	CSH -16	0.4	27.12.2015
47	Yerru Venkateswarao Athota, Tenali	995928425	CSH 14	0.4	14.12.15
48	Popuri Ramalingeswarao, Siripuram, Tenali	9501176434	CSH -16	0.4	2.1.16
49	Popuri Umamaheswarao, Siripuram	9501535604	CSH -25	0.4	28.12.15
50	Jonna koteswarao Telaprolu, Tenali	---	CSH -25	0.4	28.12.15