

National Mission on Oilseed and Oil palm
Department of Agriculture and Co-operation & Farmer's Welfare

Final Report of Project on

***Block Demonstration and Training
on Raised Bed Technique of Soybean
Cultivation***

2015-16 & 16-17



Principal Investigator
Dr Rajendra Lakpale
Principal Scientist & Associate Director Research
Directorate of Research Services

Indira Gandhi Krishi Vishwavidyalaya
Raipur (Chhattisgarh)

For official use only

National Mission on Oilseed and Oil palm
Department of Agriculture and Co-operation & Farmer's Welfare

Final Report of Project on

***Block Demonstration and Training
on Raised Bed Technique of Soybean
Cultivation***

2015-16 & 16-17



Principal Investigator
Dr Rajendra Lakpale
Principal Scientist & Associate Director Research
Directorate of Research Services

Indira Gandhi Krishi Vishwavidyalaya
Raipur (Chhattisgarh)

National Mission on Oilseeds and Oil Palm
Department of Agriculture, Cooperation and Farmer's Welfare

Final Progress Report

Section A: General Information:

1.	Project title	<i>Block Demonstration and Training on Raised bed Technique of Soybean Cultivation</i>
2.	Name, designation address, phone nos. and e-mail of principal Investigator (PI)	Dr Rajendra Lakpale Principal Scientist (Agronomy) & Associate Director Research, Directorate of Research Services, IGKV, Raipur Mob- 9424229384 Phone- 0771-2442267 (O) Fax- 0771- 2443035 E-Mail- rlakpale@gmail.com , rlakpale@hotmail.com
3.	Name and address of Institute/ Organization	Indira Gandhi Krishi Vishwavidyalaya, Krishak Nager, Raipur- 492012 (Chhattisgarh)
4.	Name designation, phone nos. and e-mail of Head of the Organization	Director Research Services, Indira Gandhi Krishi Vishwavidyalaya, Raipur
5.	No. and Date of DAC Sanction order	No. 9-2/2015/Oilseed/CA dated : 29 July 2015
6.	Date of Inception and duration of the project.	Date of inception- 18.8.2015 Duration- Two years (2015-16 and 2016-17)

Section B: Technical:

1.	Objectives	1. To demonstrate the raised bed soybean cultivation under high rainfall for maximizing the soybean yield. 2. To train/educate the farmers regarding raised bed method of soybean cultivation for higher production of soybean and expansion of area of soybean.
2.	Activities approved under each objective	<u>First Year</u> 1. 100 block demonstrations of 100 ha on Raised Bed Soybean Cultivation Technique in each selected block/villages in soybean growing district of Chhattisgarh namely – Rajnandgaon, Durg, Kabirdham, Mungeli and Bemetara will be conducted. 2. The following inputs will be provided to the each farmer- Seed- 65 kg/ha – 2500/- (Partial cost of Certified seed) Seed Treatment Chemicals/ culture- Rs. 200/= Herbicide-1800/= 3. Two Raised bed Soybean Seed drill will provided in each block on community basis for performing sowing of soybean. 4. Training programmes will be conducted in each blocks before the implementation of

		demonstration. Second Year 1. 100 block demonstrations of 100 ha on Raised Bed Soybean Cultivation Technique in each selected block/villages in soybean growing district of Chhattisgarh namely – Rajnandgaon, Durg, Kabirdham, Mungeli and Bemetara will be conducted. 2. The following inputs will be provided to the each farmer- Seed- 65 kg/ha – 2500/- (Partial cost of Certified seed) Seed Treatment Chemicals/ culture- Rs. 200/= Herbicide-1800/= 3. Two Raised bed Soybean Seed drill will provided in each block on community basis for performing sowing of soybean. 4. Training programmes will be conducted in each blocks before the implementation of demonstration.
3.	Activity-wise progress against target fixed	<u>First Year</u> Demonstration conducted- 400 (0.40 ha each) District Covered- 04 (Rajnandgaon, Durg, Bemetara and Kabirdham) Trainings- Nil (due to late sanction and

		implementation of project in mid of the soybean season). <u>Second Year</u> Demonstration conducted- 110 (0.40 ha each) District Covered- 05 (Rajnandgaon, Durg, Bemetara, Mungeli and Kabirdham) Trainings- 05 (in five districts- Rajnandgaon, Durg, Bemetara, Mungeli and Kabirdham).
4.	Compiled and statistically Analyzed data generated under each activity	Enclosed-I
5.	Inference drawn, if any, under each activity	<u>First Year</u> During the first year 400 demonstrations (0.4 ha each) has been conducted in 20 Villages of 04 Districts (Table 1). The yield data of demonstrations showed that the 22.46% average yield increased over farmer's practice. Average yield of soybean under demonstration was noted 7.52 q/ha whereas in farmers practice it was 5.94 q/ha (Table 2). However, the climatic situation was not favourable for soybean during Kharif 2015. Less and erratic rains was experienced during this Kharif season

	(Table 15). A perusal of data in Table 2, showed that the yield increase in percentage of soybean seed yield in between demonstrated plot and farmers practices. The maximum percentage increase in Rajnandgaon District (64.68%) than followed by average percentage yield increases was 22.69, 22.23 & 14.93 of Durg, Bemetara & Kabirdham District, respectively. In demonstrated plot the average maximum seed yield obtained in Rajnandgaon (14.81 q/ha) followed by Durg (13.33 q/ha), Kabirdham (11.88 q/ha) and Bemetara (11.85 q/ha). The highest average maximum yield was recorded under farmers practices in Durg (11.85 q/ha) than followed by Kabirdham (10.94 q/ha), Bemetara (9.52 q/ha) and Rajnandgaon (8.50 q/ha). The average minimum seed yield obtained under demonstration field of Rajnandgaon (2.03 q/ha) than followed by Durg (4.85 q/ha), Kabirdham (5.13 q/ha) and Bemetara (5.74 q/ha). The similar trend was found in farmers practices viz., Rajnandgaon (1.44), Kabirdham (3.75), Durg (3.78) and Bemetara (4.32). In demonstrated plot the
--	---

	highest average yield obtained in Durg District (8.33 q/ha) and lowest in Rajnandgaon (5.57 q/ha). In farmer practices the highest average yield found in Kabirdham district (6.95 q/ha) and lowest recorded in Rajnandgaon District (3.36 q/ha). In each villages 10 samples of plants were collected for observations of yield attributing characters of soybean like- branches/plant, pods/plant and seed/plant. These observations were recorded in demonstrations as well as farmer's field. The data revealed that the branches/plant, pods/plant and seeds/plant were higher under demonstration crop as compared to farmer's field (Table 5). <u>Second Year</u> During second year of the project (2016-17), 110 demonstrations were conducted against the 100 demonstrations in 05 districts in 10 villages (Table 3). The 20 demonstration in village -Paroda, Dist - Durg failed due to continuous rains during sowing season. Sowing of soybean through Raised Bed Seed Drill was not possible in the village. Based on average data of 04 districts, the demonstration yield
--	--

	showed 39.28 % superior over flat bed sowing (farmer's practice). The average yield (23.16 q/ha) obtained under demonstration. Whereas, maximum yield (24.61 q/ha) and minimum yield (22.02 q/ha) obtained under demonstration. In case of farmer's practice, average yield 16.63 q/ha, maximum yield 17.97 q/ha and minimum yield 15.55 q/ha obtained (Table 4). The climatic condition during Kharif 2016 was quit good for soybean. Sufficient rainfall received during the crop growth period of soybean. Overall, climatic season was congenial for good production of soybean. On perusal of data presented in Table 4, it is apparent that yield of soybean significantly increased under demonstration of Raised bed cultivation of soybean over the farmer's practice (Flat bed sowing). The maximum yield increased due to demonstration in Bemetara district (45.72%) followed by Rajnandgaon (38.28%), Mungeli (37.19%) Kabirdham (36.53%) and Maximum seed yield of soybean under demonstration was obtained in Rajnandgaon district (26.88 q/ha), followed by Mungeli (25.53 q/ha), Bemetara (23.68 q/ha) and Kabirdham
--	---

	(22.36 q/ha). Maximum Average yield under demonstration was obtained in Rajnandgaon (25.51 q/ha) followed by Mungeli district (23.07 q/ha), Bemetara (22.15 q/ha) and Kabirdham (21.91 q/ha). Concerning to minimum yield under demonstration, it was obtained in Bemetara district (20.44 q/ha), followed by Kabirdham (21.36 q/ha), Rajnandgaon (24.72 q/ha) and Mungeli (21.55 q/ha). Concerning to farmer's practice (Flat bed sowing), maximum average yield received in Rajnandgaon (18.45 q/ha) followed by Mungeli district (16.81 q/ha), Kabirdham (16.05 q/ha) and Bemetara (15.20 q/ha). Whereas, maximum yield obtained in Rajnadgaon district (19.30 q/ha) followed by Mungeli (18.68 q/ha), Kabirdham (17.03 q/ha) and Bemetara (16.88 q/ha). The minimum yield under farmer's practice reported in Bemetara district (13.75 q/ha), followed by Mungeli (15.16 q/ha) Kabirdham (15.20 q/ha), and Rajnandgaon (18.08 q/ha) (Table 4). In each village 10 samples of plants were collected for observations of yield attributing characters of soybean like- branches/plant, pods/plant and seed/plant. These
--	---

		observations were recorded in demonstrations as well as farmer's field. The data revealed that the branches/plant, pods/plant and seeds/plant were higher under demonstration crop as compared to farmer's field (Table 6).
6.	Result of practical utility and recommendations for replication of technology	On the basis of results obtained during two years of demonstrations, the Raised bed sowing technique of sowing found effective under heavy rains condition. On an average 28.79% yield increase due to adoption of Raised bed technique of soybean growing. The good germination, growth and yield of crop recorded due to Raised bed cultivation of soybean as compared to flat bed sowing (Farmer's practice) To perform the raised bed sowing in field a seed drill has been evolved and named as "<i>Indira Soya Seed Drill</i>". This Broad Bed seed drill formed furrow on both ends of operation and plant the seeds between these two furrow. These furrow helps to improved drainage, the excess water sink into the furrows and soybean plants unaffected due to heavy rains and stagnation of water in the field. Broad beds seed drill also save time and money because farmers

		need only dig, fertilize, and water the beds, not the paths. The weed problem and their control is easy in this system. The effective working width is 1.80 m accommodates 4-5 lines of soybean and height of the bed is 20 cm, the area covered by this seed drill is one ha in two and half hours. It is very effective tool for raising soybean on raised bed to cope up with heavy rain condition of the area. Training to the about 100 farmers provided under this project for successful cultivation of raised bed technique of soybean.
--	--	--

Section C: Budget allocation and expenditure:

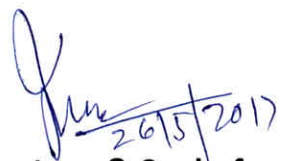
Information on progressive budgetary allocation and expenditure along with a statement of release of funds made by DAC should be furnished in the format given below.

(a) Allocation and expenditure (Rs. in Lakhs)

S. No	Item	I Year		II Year		Total	
		Allocation	Expenditure, Rs	Allocation	Expenditure, Rs	Allocation	Expenditure, Rs
1.	Contractual services	4.30	1,73,032	4.30	5,38,240	8.60	7,11,272
2.	Operations	2.00	11,147	2.00	83,312	4.00	94,459
3.	Travel	1.00	40,177	1.00	98,631	2.00	1,38,808
4.	Items/Inputs	2.40	9,75,960	2.40	2,05,800	4.80	11,81,760
5.	Equipment	5.60	2,99,000	0.00	0.00	5.60	2,99,000
6.	Workshop/Training	2.00	0	2.00	63,124	4.00	63,124
7.	Miscellaneous	0.87	2,000	0.59	2,000	1.46	4,000
8.	Report writing	0.10	0	0.10	6,824	0.20	6,824
	Total	18.27	15,01,361	12.39	9,98,931	30.66	24,99,274

(b) Amount of funds (Rs. in Lakhs) released with date

Year	Allocation	Release	Differences (+/-)	Date of Release
I	18.27	13.70	-4.57	25.8.2015 (No. 14-12/2015-CA-II)
II	12.39	9.29	-3.10	30.8.2016 (No. 14-7/2016-CA-II)
Total	30.66	22.99	-7.67	


**Signature & Seal of
the Head of Organization**

Director Research Services
Indira Gandhi Krishi Vishwavidyalaya
Raipur - 492 012 (C.G.)


**Name and Signature of
Principal Investigator**

Dr Rajendra Lakpale
Professor/Principal Scientist
Department of Agronomy
Indira Gandhi Krishi Vishwavidyalaya
Raipur (C.G.)

Success Stories

1. MrSantoshDubey-



MrSantoshDubey is a farmers of Village Charbhata, P.O. Jhal, Tehsil and District- Bemetara (Chhattisgarh). He owned 50 acres of land, out of 50 acres he is cultivating soybean in 30 acres of land. His land is situated under midland farming situation and during rainy season continuous rain damage his soybean crop adversely every year. Three years back a demonstration of ***“Raised Bed Cultivation of Soybean”*** conducted on his field and he got overwhelming response of good yield of soybean. He got about 12.0 quintal yield of soybean in one acre of land (30 q/ha). After that he has adopted this technology of raised bed cultivation of soybean for his entire soybean land of 30 acres and harvesting handsome yield of soybean. As per his opinion, the sowing of soybean by ***“Indira Soya Seed Drill”*** (Raised bed seed drill of soybean) has many advantages like- excess rain water drained out through the furrows in between the beds, seeds and plants are not rotted due to excess water, growth of crop is good and plants has more number of pods. The size of the seed is also bold and uniform. After successful experience of raised bed cultivation of soybean, he is cultivating soybean by this technique and also inspiring nearby and other soybean farmers of surroundings to adopt this this technology. Lots of farmers of the area visited his field of soybean. Department of Agriculture, CG Govt. organized field day on his farm to demonstrate the raised bed cultivation technique of soybean to the farmers of area.

2. MrBalraj Singh



MrBalraj Singh is a farmer cum Teacher of a Village- Banki, Tehsil and District- Mungeli (Chhattisgarh). He has 250 acres of land. He grows rice, pigeon pea, soybean, maize etc. He has cultivated soybean in 20 acres. Earlier he is getting very poor yield of soybean due to stagnation of water in fields caused by heavy rains. During the last season a demonstration of raised bed cultivation organized in his field. The results are very good, there is distinct change in growth and yield of soybean as compared to flat bed sowing of soybean. He was very impressed with this technique and plan to cultivate soybean by "**Indira Soy Seed Drill**" in his whole 20 acres of land in the coming season. He has opined that this technology is very useful for good soybean yield. Less seed rate is required in this technology. The observation and vigilance of crop is very easy due to space in between two beds, plants protection operation is quite easy under this technique. There is no ill effect of heavy rains because excess water is drained off through furrows and beds are unaffected due to heavy rains and facilitate crop growth and yield. Application of pesticide and fertilizer is easy. Plants get more light and oxygen and resulted in more podding is there and no diseases and pests attack on soybean. He got 10 quintal yield of soybean in a acre (25 q/ha).



3. MrBahal Ram Verma

MrBahal Ram Verma is farmer of Village- Lolesara, Post and District- Bemetara (CG). He has 6 acres of land his land is situated in midland condition around the field of rice crop. The drainage is big problem with Bahal Ram Verma and due to stagnation of water and ill drains of his field his soybean crop suffering every year. During last Kharif season of 2016 a



demonstration was laid out in his piece of land in acre on raised bed cultivation of soybean. The results of demonstration were very good and encouraging. He got about 30% more yield of soybean as compared to his traditional method of flatbed sowing of soybean. He was very much influenced by this technology of Raised bed cultivation of soybean and decided to cultivate soybean by Indira soya Seed Drill on his 6 acres of land in coming year.

4. MrAshwini Kumar Verma



MrAshwinin Kumar Verma is a farmer of Village – Kalewa, Post- Nagaldah, District- Rajnandgaon (CG). He was cultivating soybean since last many years but on an average he is getting yield of around 5-6 quintal soybean in acre. The major problem is heavy rains and stagnation of water in some patches of field reduced the yield of soybean due to poor growth and plant population. The

demonstration on raised bed cultivation was conducted during Kharif 2016 season on his farm. The performance of soybean crop under demonstration of raised bed cultivation is very good as compared to flat bed sowing (the traditional way of sowing). The growth and yield of soybean observed superior than the traditional farmer's practice. After getting good yield from soybean, he advocates adopting this technology to farmers of his village and surrounding areas. He also decided to increase area of soybean under raised bed cultivation.

Table 1: District and village wise soybean demonstration under farmers field (kharif 2015).

S. No.	District	Village	No. of Farmers	No. of Failed Demonstration
1.	Kabirdham	Bhagutola	25	
		Barpelatola	25	
		Indori	25	
		Heerapur	25	
		Total	100	
2.	Bemetara	Dholiya	36	01
		Charbhata	05	
		Khandsara	04	
		Basni	03	
		Hadgaon	02	
		Kapa	10	
		Dewarbija	09	
		Ghotarma	03	
		Lolesara	21	
		Keshdabari	03	
		Total	100	01
3.	Durg	Konka	50	01
		Sukharikala	50	01
		Average	100	02
4.	Rajnandgaon	Semhradaihan	21	08
		Dumardihkala	19	07
		Bundelikhurd	34	
		Dhaurabhatha	04	
		Average	100	15
Overall Average			400	18

Table 2: District and village wise average, maximum and minimum yield of soybean under demonstration and farmers practice (Kharif 2015).

S. No.	District	Village	Yield (q/ha)						Yield increase in %	
			Demonstration			Farmers Practices				
			Avg.	Max.	Min.	Avg.	Max.	Min.		
1.	Kabirdham	Bhagutola	7.70	12.50	3.75	6.88	12.00	3.75	11.92	
		Barpelatola	7.45	10.00	5.00	6.92	9.00	3.75	7.66	
		Indori	8.29	11.25	5.50	6.67	11.00	2.50	24.35	
		Heerapur	8.50	13.75	6.25	7.34	11.75	5.00	15.80	
		Average	7.99	11.88	5.13	6.95	10.94	3.75	14.93	
		2.	Bemetara	Dholiya	9.53	27.50	2.50	8.13	19.50	2.10
		Charbhata	10.48	13.75	5.40	9.09	12.80	4.64	15.34	
		Khandsara	7.81	8.75	7.50	6.44	7.00	5.50	21.36	
		Basni	8.58	9.50	7.50	6.29	7.00	5.50	36.42	
		Hadgaon	9.88	12.50	7.50	8.36	10.75	6.25	18.09	
		Kapa	5.00	5.00	5.00	4.75	5.00	4.50	5.26	
		Dewarbija	8.50	10.00	4.00	6.01	7.50	1.88	41.34	
		Ghotarma	7.92	8.75	7.50	6.26	6.85	5.67	26.53	
		Lolesara	6.17	14.00	3.00	5.26	11.25	1.88	17.30	
		Keshdabari	7.92	8.75	7.50	6.42	7.50	5.25	23.38	
		Average	8.18	11.85	5.74	6.70	9.52	4.32	22.23	
		3.	Durg	Konka	9.95	14.00	7.20	7.88	11.20	5.10
		Sukharikala	6.71	12.65	2.50	5.63	12.50	2.45	19.13	
		Average	8.33	13.33	4.85	6.76	11.85	3.78	22.69	
4.	Rajnandgaon	Semhradaihan	4.80	20.00	1.25	3.46	8.13	1.25	38.64	
		Dumardihkala	4.18	10.75	1.25	2.75	7.50	1.25	51.87	
		Bundelikhurd	6.91	18.50	1.25	3.73	12.50	1.25	85.17	
		Dhaurabhatha	6.41	10.00	4.38	3.50	5.88	2.00	83.04	
		Average	5.57	14.81	2.03	3.36	8.50	1.44	64.68	
Overall Average			7.52	12.96	4.43	5.94	10.20	3.32	22.46	

Table 3: District and village wise Soybean Demonstration under farmers (Kharif-2016)

S. No.	District	Village	No. of Farmers	No. of Failed Demonstration
1.	Kabirdham	Manikchauri	01	
		Dharampura	18	
		Birkona	01	
		Total	20	
2.	Bemetara	Baiji	20	
		Total	20	
3.	Rajnandgaon	Kalewa	15	
		Kunwarjhorki	05	
		Total	20	
4.	Mungeli	Chatarkhar	18	
		Banki	08	
		Chalan	04	
		Total	30	
5.	Durg	Paroda	20	20- due to continuous rains during sowing time
		Total	20	20
		Grand Total	110	20

Table 4: District and village wise average, maximum and minimum yield of soybean under demonstration and farmers practice (Kharif 2016-17).

S. No.	District	Village	Yield (q/ha)						Yield increase in %
			Demonstration			Farmers Practices			
			Avg.	Max.	Min.	Avg.	Max.	Min.	
1.	Kabirdham	Manikchauri	23.04	23.04	23.04	16.58	16.58	16.58	38.96
		Dharampura	22.18	23.52	20.52	15.94	18.88	13.38	39.15
		Birkona	20.52	20.52	20.52	15.63	15.63	15.63	31.29
		Average	21.91	22.36	21.36	16.05	17.03	15.20	36.53
2.	Bemetara	Baiji	22.15	23.68	20.44	15.20	16.88	13.75	45.72
		Average	22.15	23.68	20.44	15.2	16.88	13.75	45.72
3.	Mungeli	Chatarkhar	22.57	25.68	20.40	16.79	18.63	15.25	34.43
		Banki	24.07	27.28	22.76	17.57	19.55	15.87	36.99
		Chalan	22.56	23.64	21.48	16.08	17.85	14.36	40.30
		Average	23.07	25.53	21.55	16.81	18.68	15.16	37.19
4.	Rajnandgaon	Kalewa	25.05	27.20	24.00	18.16	19.50	17.75	37.94
		Kunwarjhorki	25.96	26.56	25.44	18.73	19.10	18.40	38.60
		Average	25.51	26.88	24.72	18.45	19.30	18.08	38.28
	Overall Average		23.16	24.61	22.02	16.63	17.97	15.55	39.28

Table 5: Yield attributes of soybean under demonstration and farmers practice (Kharif 2015).

S. No.	District	Village	Demonstration			Farmers Practices		
			Braches per plant	Pods per plant	Seed per plant	Braches per plant	Pods per plant	Seed per plant
1.	Kabirdham	Bhagutola	3.7	48	140	2.6	35	105
		Barpelatola	3.4	41	135	2.4	34	102
		Indori	3.6	42	146	2.4	36	108
		Heerapur	3.2	39	112	2.3	32	96
		Average	3.5	42	133	2.4	34	103
2.	Bemetara	Dholiya	3.8	36	110	2.1	30	90
		Charbhata	3.4	41	123	2.0	34	102
		Khandsara	3.3	45	135	2.2	36	108
		Basni	3.6	38	114	2.3	33	100
		Hadgaon	3.0	40	120	2.0	34	103
		Kapa	3.1	36	108	2.4	34	102
		Dewarbija	3.2	42	126	2.3	33	100
		Ghotarma	3.4	43	130	2.4	36	110
		Lolesara	3.5	45	134	2.1	30	90
		Keshdabari	3.6	44	130	2.2	31	93
		Average	3.4	41	123	2.2	33	100
3.	Durg	Konka	3.7	48	144	2.3	33	100
		Sukharikala	3.7	50	150	2.3	32	95
		Average	3.7	49	148	2.3	33	98
4.	Rajnandgaon	Semhradaihan	3.4	45	134	2.2	29	85
		Dumardihkala	3.2	43	129	2.3	31	92
		Bundelikhurd	3.7	42	126	2.1	32	94
		Dhaurabhatha	3.2	45	135	2.0	32	95
		Average	3.4	44	131	2.1	31	92
Overall Average			3.5	44	134	2.2	33	98

Table 6: Yield attributes of soybean under Demonstration and control plots (Kharif-2016).

S. No.	District	Village	Demonstration			Farmers Practice (control plot)		
			Braches per plant	Pods per plant	Seed per plant	Braches per plant	Pods per plant	Seed per plant
1.	Kabirdham	Manikchauri	4.3	68	205	3.1	46	138
		Dharampura	4.1	59	178	3.2	42	126
		Birkona	4.1	60	180	3.0	43	130
		Average	4.2	62	188	3.1	44	131
2.	Bemetara	Baiji	3.8	58	175	3.2	38	114
		Average	3.8	58	175	3.2	38	114
3.	Rajnandgaon	Kalewa	4.6	70	210	3.3	42	125
		Kunwarjhorki	4.4	65	195	2.8	39	117
		Average	4.5	67	202	3.0	40	121
4.	Mungeli	Chatarkhar	4.3	68	205	2.9	41	123
		Banki	4.3	65	195	3.1	41	120
		Chalan	4.2	64	192	3.0	40	120
		Average	4.3	66	197	3.0	41	121
		Overall Average	4.2	63	168	3.1	41	122

NMOOP-GOI, Soybean Project

Soybean- Kharif 2015

District- Durg

Table 7: Village wise average, maximum and minimum yield of soybean under demonstration and farmers practice.

S. No.	Name of farmers	Mob. No.	Village	Varieties	Yield of demonstration (q/ha)	Yield of control plot (FP) (q/ha)	Remarks
1	Kishan / Baliram		Konka	JS-335	9.20	7.60	
2	Krishna / Loknath		Konka	JS-335	9.00	7.20	
3	Chandulal / Balram	9755218943	Konka	JS-335	11.60	7.60	
4	Chatur / Chetan	8959664511	Konka	JS-335	9.60	8.40	
5	Sudarshan / Ballaram	7354054736	Konka	JS-335	10.03	8.00	
6	Sukalu / Pawan	7772896693	Konka	JS-335	7.60	8.40	
7	Keju / Ramhu	9575658176	Konka	JS-335	9.23	7.20	
8	Mannu Lal / Kashiram	9630737907	Konka	JS-335	12.60	7.60	
9	Bhikham / Kashiram		Konka	JS-335	11.00	7.20	
10	Rekhu / Rama		Konka	JS-335			Failed
11	Ghosahan / Asaram	8120617588	Konka	JS-335	10.40	8.00	
12	Chatur / Ramkhilawan	8827313373	Konka	JS-335	12.60	7.20	
13	Devaram / Raruha	999393395	Konka	JS-335	9.28	7.60	
14	Ramdayal / Raruha	9630206030	Konka	JS-335	7.80	7.20	
15	Kaushalya / Ramdayal	-----	Konka	JS-335	8.40	7.20	

16	Gayatri / Ramdayal	-----	Konka	JS-335	9.40	7.20	
17	Yadram / Amru	8964862019	Konka	JS-335	11.20	7.60	
18	Hemant / Roshan	9575945900	Konka	JS-335	12.80	5.10	
19	Kamta / Amru	990740592	Konka	JS-335	12.60	8.40	
20	Roshan / Amru	9754884830	Konka	JS-335	13.20	9.60	
21	Amru / Ledga	8224956301	Konka	JS-335	8.80	8.80	
22	Dinesh / Dvarika	7898606625	Konka	JS-335	8.40	7.60	
23	Anuj / Jagdev	7746095637	Konka	JS-335	9.00	7.20	
24	Dwarika / Kaval	7748942260	Konka	JS-335	8.80	8.00	
25	Jagrakhan / Motiram	9926375868	Konka	JS-335	12.60	7.60	
26	Dhanraj / Jagrakhan	9975109630	Konka	JS-335	9.60	8.40	
27	Radhabai / Jagrakhan	9975109630	Konka	JS-335	11.00	8.80	
28	Hemraj / Jagrakhan	9575659916	Konka	JS-335	7.20	6.80	
29	Aavadh / Hardev		Konka	JS-335	7.60	7.60	
30	Radhelal / Aavadh		Konka	JS-335	8.40	8.40	
31	Khilavan / Manohar		Konka	JS-335	8.80	8.80	
32	Rohit / Khilavan	8964863005	Konka	JS-335	12.00	9.20	
33	Tejoram / Salikram	8435725114	Konka	JS-335	9.60	9.60	
34	Motilal / Johan	9752820256	Konka	JS-335	10.00	10.00	
35	Motiram /Dhansingh		Konka	JS-335	9.20	10.40	
36	Hemlal / Kartik	8435006134	Konka	JS-335	10.00	11.20	
37	Chovaram / Hiralal	7697223842	Konka	JS-335	8.80	8.40	
38	Thanu / Hiralal	9977302295	Konka	JS-335	8.80	7.20	
39	Manglu / Sukhiram		Konka	JS-335	10.40	7.60	

40	Puranlal / Ledga	8964035113	Konka	JS-335	9.60	7.20	
41	Kedar / Puran	8964035113	Konka	JS-335	9.20	6.80	
42	Rameshvar /Tetku	9165297877	Konka	JS-335	10.20	7.20	
43	Parmeshver /Ramhe		Konka	JS-335	10.00	6.40	
44	Laxman / Hardev	9009358196	Konka	JS-335	9.20	6.80	
45	Mahesh / Toran	8462880860	Konka	JS-335	9.20	6.00	
46	Tirith / Khilavan		Konka	JS-335	8.80	8.80	
47	Bhagvat / Panch		Konka	JS-335	14.00	8.40	
48	Ishvari / Dvarika		Konka	JS-335	9.60	8.00	
49	Bagas / Ramlal		Konka	JS-335	12.80	7.60	
50	Santosh / Chatur		Konka	JS-335	8.60	7.20	
				Max.	14.00	11.20	
				Min.	7.20	5.10	
				Ave. Yield	9.95	7.88	
51	Dharamdas / Jagrit	9993575785	Sukhrikala	JS-335	7.50	6.13	
52	Shobhadas / Jagrit	9301010736	Sukhrikala	JS-335	8.75	5.78	
53	Panchram / Duglan	7489522158	Sukhrikala	JS-335	7.50	6.00	
54	Darban / Bahadar	7389110609	Sukhrikala	JS-335	7.50	3.95	
55	Birendra / Brijlal	7354772634	Sukhrikala	JS-335	3.75	5.90	
56	Santram / Duglan	8223936375	Sukhrikala	JS-335	7.75	7.50	
57	Banshi / Kuversingh	7828626857	Sukhrikala	JS-335	5.63	4.88	
58	Somlal / Tilochan	8965041345	Sukhrikala	JS-335	7.50	5.00	
59	Dhalsingh / Mohan	9907155362	Sukhrikala	JS-335	5.63	5.00	
60	Radhekumar / Bahadar	9754093063	Sukhrikala	JS-335	3.75	2.45	

61	Jagatram / Umend	9589547805	Sukhrikala	JS-335	5.00	6.25	
62	Tikam / Jagatram	8085793079	Sukhrikala	JS-335	5.00	6.13	
63	Tumman / Bishauha	8120344127	Sukhrikala	JS-335	2.50	5.95	
64	Rambai / Bishauha	9993141940	Sukhrikala	JS-335	2.50	5.25	
65	Bishauha / jayjeet	9993307032	Sukhrikala	JS-335	2.50	5.00	
66	Kartik / Charan	7049981077	Sukhrikala	JS-335	5.63	5.25	
67	Sheshnarayan / Bhuvan	9589969294	Sukhrikala	JS-335	8.75	6.90	
68	Shatruhan / Hirau	9575807836	Sukhrikala	JS-335	6.25	7.25	
69	Vyasnarayan / Bhuvan	9098789051	Sukhrikala	JS-335	8.75	5.35	
70	Dayalu / Prahlad	8349716207	Sukhrikala	JS-335	7.50	7.50	
71	Bankelal / Prahlad	8349805505	Sukhrikala	JS-335	7.50	6.25	
72	Bedram / Bhuvan	9302314914	Sukhrikala	JS-335	9.40	4.13	
73	Prem Singh / Khushiram	7509364566	Sukhrikala	JS-335	5.00	3.13	
74	Chandraprasad / Prem Singh	9301203581	Sukhrikala	JS-335	5.00	5.00	
75	Chamarin / Prem Singh	7566465331	Sukhrikala	JS-335	5.00	4.88	
76	Neelsingh / Prem Singh	9752899851	Sukhrikala	JS-335	5.00	3.63	
77	Daulat / Prem Singh	7049386800	Sukhrikala	JS-335	5.00	3.75	
78	Dhaneswar / Suraj	9165575722	Sukhrikala	JS-335	8.38	6.50	
79	Rekhram / Bhagwat	8085538641	Sukhrikala	JS-335	7.50	5.80	
80	Vijay Kumar / Bishauha	8085538636	Sukhrikala	JS-335			Failed
81	Maluram / Gandhi	9755218814	Sukhrikala	JS-335	5.25	3.90	
82	Dudheram / Dindayal	9179370787	Sukhrikala	JS-335	7.50	3.70	
83	Kishori / Mangalu	9630298471	Sukhrikala	JS-335	7.50	3.50	

84	Teksingh / Shivilal	9009741088	Sukhrikala	JS-335	7.88	7.50	
85	Vishwanath / Pheru	9575106041	Sukhrikala	JS-335	7.13	4.38	
86	Santosh / Jaijeet	9584476623	Sukhrikala	JS-335	7.25	4.38	
87	Rishi / Tejram	9669932661	Sukhrikala	JS-335	7.88	5.75	
88	Bhagchand / Santosh	9926745151	Sukhrikala	JS-335	9.00	6.25	
89	Dhanuk / Prema	9993561637	Sukhrikala	JS-335	5.00	5.00	
90	Lokesh / Tejram	7582295587	Sukhrikala	JS-335	10.00	7.25	
91	Bishesar / Ranjit	7224942701	Sukhrikala	JS-335	3.75	2.75	
92	Radhabai / Ramlal	9179474527	Sukhrikala	JS-335	7.25	5.75	
93	Nandlal / Jeevan	9770133103	Sukhrikala	JS-335	6.25	5.50	
94	Gulab Bai / Tulasi	7879041025	Sukhrikala	JS-335	12.50	12.50	
95	Tulasi / Dhallu	8461928465	Sukhrikala	JS-335	12.65	12.50	
96	Harprasad / Domar	7697301697	Sukhrikala	JS-335	6.25	5.25	
97	Hemchand / Domar	7828408255	Sukhrikala	JS-335	6.25	6.25	
98	Girdhari / Itvari	8085373626	Sukhrikala	JS-335	6.88	4.75	
99	Nemichand / Dudhelal	7669024968	Sukhrikala	JS-335	7.50	6.00	
100	Naresh / Bijeram	9617600119	Sukhrikala	JS-335	7.50	6.50	
				Max.	12.65	12.50	
				Min.	2.50	2.45	
				Ave. Yield	6.71	5.63	

NMOOP-GOI, Soybean Project

Soybean- Kharif 2015

District- Rajnandgaon

Table 8: Village wise average, maximum and minimum yield of soybean under demonstration and farmers practice.

S. No.	Name of farmers	Mob. No.	Village	Varities	Yield of demonstration (q/ha)	Yield of control plot (FP) (q/ha)	Remark
1	Dhanesh /Sunder lal	9630652206	Semhra daihan	JS-335	20.00	8.13	
2	Devkumar / Dhanesh		Semhra daihan	JS-335	5.00	7.25	
3	Devsharan / Dhanesh	9630299726	Semhra daihan	JS-9560	8.13	5.38	
4	Lalchand / Ferha Ram	8349465899	Semhra daihan	JS-335	5.25	3.75	
5	Ghasnin Bai / Ferh Ram	8349465899	Semhra daihan	JS-335	6.50	4.00	
6	Jayabharti / Lalchand	9300839814	Semhra daihan	JS-9560	2.75	4.38	
7	Jitendra singh / Ganesh Singh	9300733913	Semhra daihan	JS-335	1.25	1.25	
8	Narendra singh / Ishwari singh		Semhra daihan	JS-335	1.25	2.50	
9	Rekha singh / Narendra singh		Semhra daihan	JS-9560	1.25	2.50	
10	Ganesh singh / Ganga singh		Semhra daihan	JS-335	1.25	1.88	
11	Parshottam / Ganga singh		Semhra daihan	JS-335			Failed
12	Santosh / Parshottam singh		Semhra daihan	JS-9560			Failed
13	Anshu / Santosh singh		Semhra daihan	JS-335			Failed
14	Chandan singh / Sunder singh		Semhra daihan	JS-335	1.50	2.50	
15	Gunjan singh /Chandan singh		Semhra daihan	JS-9560			Failed

16	Sewati / Chandan singh		Semhra daihan	JS-335	4.25	1.88	
17	Mohan /Sunder singh		Semhra daihan	JS-335	4.00	2.50	
18	Parwat / Jhadu singh		Semhra daihan	JS-9560			Failed
19	Raj / Jhadu Singh		Semhra daihan	JS-335		2.50	Failed
20	Shekhar / Jhadu singh		Semhra daihan	JS-335		2.50	Failed
21	Rambai Jhadu singh		Semhra daihan	JS-9560		2.50	Failed
				Max.	20.00	8.13	
				Min.	1.25	1.25	
				Ave. Yield	4.80	3.46	
22	Ramhala Bai / Bulakee ram		Dumardihkala	JS-335	10.00	5.63	
23	Bulakee Ram / Sukhram		Dumardihkala	JS-335	2.50	2.50	
24	Devsingh /Suraj ram	9981114 422	Dumardihkala	JS-9560	2.50	2.50	
25	Mangal / Devsingh		Dumardihkala	JS-335	3.13	1.25	
26	Suman singh /Devsingh		Dumardihkala	JS-335	2.50	1.88	
27	Lila / Suraj ram		Dumardihkala	JS-9560	2.50	1.25	
28	Narayan / Babulal	7869837 653	Dumardihkala	JS-335	4.38	2.50	
29	Parmeshwari / Narayan		Dumardihkala	JS-335	3.13	2.50	
30	Babulal /Sadram		Dumardihkala	JS-9560	2.50	1.25	
31	Govind Ram /Maniram		Dumardihkala	JS-335	2.50	1.25	
32	Netram / Maniram		Dumardihkala	JS-335	3.13	1.88	
33	Dhanuk /Maniram		Dumardihkala	JS-9560	3.75	2.50	
34	Taleswar / Dhanuk		Dumardihkala	JS-335	2.50	1.25	
35	Gaukaran / Kashiram		Dumardihkala	JS-335	1.25	2.50	
36	Punit / Kalaram		Dumardihkala	JS-9560	3.43	2.50	

37	Budhram / Ramvilas		Dumardihkala	JS-335	5.50	3.75	
38	Sunati /Gaukaran		Dumardihkala	JS-335	7.50	5.00	
39	Laxman /Fattelal		Dumardihkala	JS-9560	6.25	2.50	
40	Phulobai /Santosh		Dumardihkala	JS-335	3.75	2.50	
41	Uttam / Bulakee Ram		Dumardihkala	JS-335	3.75	1.25	
42	Sarswati / Uttam		Dumardihkala	JS-9560	3.75	1.25	
43	Dinesh / Jagdish		Dumardihkala	JS-335	3.13	2.50	
44	Santosh / Laxman		Dumardihkala	JS-335		2.50	Failed
45	Ghasiya /Phulsingh		Dumardihkala	JS-9560		2.50	Failed
46	Rekha /Harichand		Dumardihkala	JS-335	2.50	2.50	
47	Mahesh / Jagdish		Dumardihkala	JS-335	4.50	3.75	
48	Lekhram / Bulakee Ram		Dumardihkala	JS-9560	10.75	7.50	
49	Surendra / Awalsingh		Dumardihkala	JS-335	2.50	2.50	
50	Rugu / Tularam		Dumardihkala	JS-335	4.00	3.00	
51	Roshani /Rugu		Dumardihkala	JS-9560	4.25	3.13	
52	Sunita /Dinesh		Dumardihkala	JS-335	4.50	3.38	
53	Anita / Mahesh		Dumardihkala	JS-335	4.50	3.00	
54	Vikesh / Jagdish		Dumardihkala	JS-9560			Failed
55	Ranjna / Vikesh		Dumardihkala	JS-335			Failed
56	Dudesar / Bharat		Dumardihkala	JS-335	4.50	2.88	
57	Kalaram /Ramvilas		Dumardihkala	JS-9560			Failed
58	Rameswar / Sukhdas		Dumardihkala	JS-335	4.75	2.50	
59	Lila / Ghasiya		Dumardihkala	JS-335			Failed
60	Harichand / Ghasiya		Dumardihkala	JS-9560			Failed
61	Bharat / Dudesar		Dumardihkala	JS-335	6.50	3.75	

62	Omkar / Govind		Dumardihkala	JS-335	5.45	4.25	
				Max.	10.75	7.50	
				Min.	1.25	1.25	
				Ave. Yield	4.18	2.75	
63	Saguna Bai / Chabilal		Bundelikhurd	JS-9560	7.50	6.25	
64	Ishwar / Aajuram		Bundelikhurd	JS-335	2.75	2.50	
65	Tijan / Ishwar		Bundelikhurd	JS-335	15.00	6.25	
66	Kamin / Ishwar		Bundelikhurd	JS-9560	6.25	3.13	
67	Lekhram / Paltan		Bundelikhurd	JS-335	2.50	1.25	
68	Paltan / Raruha		Bundelikhurd	JS-335	3.75	1.88	
69	Minabai / Lekhram		Bundelikhurd	JS-9560	15.00	6.88	
70	Sahukar / Kejnath		Bundelikhurd	JS-335	18.13	10.00	
71	Chandrasah / Sahukar		Bundelikhurd	JS-335	18.50	12.50	
72	Hemin / Chandrasah		Bundelikhurd	JS-9560	15.00	7.50	
73	Sahdev / Kejnath		Bundelikhurd	JS-335	3.75	2.50	
74	Kejnath / Bhaiyaram		Bundelikhurd	JS-335	3.13	1.88	
75	Deva jangre / Babulal		Bundelikhurd	JS-9560	5.00	2.50	
76	Rekha / Khorbahra		Bundelikhurd	JS-335	3.75	1.25	
77	Mansha / Jagdish		Bundelikhurd	JS-335	15.00	7.50	
78	Loknath / Mansha		Bundelikhurd	JS-9560	3.13	2.50	
79	Pila Bai / Mansha		Bundelikhurd	JS-335	3.75	1.88	
80	Santosh / Beduram		Bundelikhurd	JS-335	7.50	3.13	
81	Gitu / Jagdish		Bundelikhurd	JS-9560	5.00	1.88	
82	Girdhari / Basantu		Bundelikhurd	JS-335	15.00	5.00	
83	Narad / Shiv		Bundelikhurd	JS-335	3.75	2.50	
84	Raruha / Mayaram		Bundelikhurd	JS-9560	2.75	1.88	
85	Sharvan / Gaidu	9575938 376	Bundelikhurd	JS-335	3.00	2.50	

86	Urvashi / Sharvan		Bundelikhurd	JS-335	2.50	1.25	
87	Indal / Dhanaji	777193 5366	Bundelikhurd	JS- 9560	2.75	2.50	
88	Kushal / Dhanaji		Bundelikhurd	JS-335	3.75	3.13	
89	Naresh / Bharat	774688 2311	Bundelikhurd	JS-335	15.00	5.00	
90	Bharat / Rajaram		Bundelikhurd	JS- 9560	2.50	2.50	
91	Shailendra / Johan		Bundelikhurd	JS-335	1.25	2.50	
92	Johan / Khekhdu		Bundelikhurd	JS-335	1.50	1.25	
93	Khilesh / Jamuna		Bundelikhurd	JS- 9560	5.00	2.50	
94	Santosh / Mangilal		Bundelikhurd	JS-335	15.00	6.25	
95	Rakesh / Jamuna		Bundelikhurd	JS-335	5.00	2.50	
96	Dina / Rikhi		Bundelikhurd	JS- 9560	5.00	3.75	
97	Kewara / Dina		Bundelikhurd	JS-335	3.75	2.50	
				Max.	18.50	12.5 0	
				Min.	1.25	1.25	
				Ave. Yield	6.91	3.73	
98	Fagu / Janak		Dhaurabhatha	JS-335	6.25	3.13	
99	Devilal /Sonu		Dhaurabhatha	JS- 9560	4.38	3.00	
100	Yogesh / Ruplal	907734 2041	Dhaurabhatha	JS-335	10.00	5.88	
101	Chandrika / Chamaru		Dhaurabhatha	JS-335	5.00	2.00	
				Max.	10.00	5.88	
				Min.	4.38	2.00	
				Ave. Yield	6.41	3.50	

NMOOP-GOI, Soybean Project

Soybean- Kharif 2015

District- Kabirdham

Table 9: District and village wise average, maximum and minimum yield of soybean under demonstration and farmers practice.

S. No.	Name of farmers	Mob. No.	Village	Varieties	Yield of demonstrati on (q/ha)	Yield of control plot (FP) (q/ha)	Remark
1	Bhagwat Patel	9179311 244	Bhagutola	JS-9560	8.75	6.50	
2	Sarvan Sahu		Bhagutola	JS-9560	6.25	5.00	
3	Pawan Patel	9993268 503	Bhagutola	JS-9560	6.25	5.50	
4	Raman Patel	9993748 593	Bhagutola	JS-9560	6.25	6.25	
5	Jiten Patel	9993238 870	Bhagutola	JS-9560	8.75	8.50	
6	Rewa Patel	9589883 291	Bhagutola	JS-9560	6.25	6.25	
7	Manoj Yadaw		Bhagutola	JS-9560	7.50	7.00	
8	Manu Druve		Bhagutola	JS-9560	5.00	4.50	
9	Ramu Druve		Bhagutola	JS-9560	5.00	3.75	
10	Manharan Yadaw		Bhagutola	JS-9560	7.50	7.50	
11	Sudhelal Patel		Bhagutola	JS-9560	8.75	6.50	
12	Umesh Patel		Bhagutola	JS-9560	3.75	3.75	
13	Hirde Patel		Bhagutola	JS-9560	5.00	5.00	
14	Narbade Patel	9685975 806	Bhagutola	JS-9560	8.75	8.00	
15	Mahagen Patel		Bhagutola	JS-9560	7.50	7.50	
16	Jalku Patel		Bhagutola	JS-9560	11.25	8.75	
17	Nanku Patel	9009257 038	Bhagutola	JS-9560	11.25	8.00	
18	Rajelal Patel		Bhagutola	JS-9560	7.50	7.50	
19	Bhola Patel		Bhagutola	JS-9560	6.25	6.25	
20	Rameshar Yadaw		Bhagutola	JS-9560	7.50	6.25	
21	Ramji Patel		Bhagutola	JS-9560	6.25	5.00	
22	Radhelal Patel		Bhagutola	JS-9560	12.50	12.00	

23	Tatu Patel		Bhagutola	JS-9560	12.50	11.25	
24	Bala Patel		Bhagutola	JS-9560	7.50	7.50	
25	Sunder Patel		Bhagutola	JS-9560	8.75	8.00	
				Max.	12.50	12.00	
				Min.	3.75	3.75	
				Avg Yield	7.70	6.88	
26	Babulal Patel	9406262 939	Barpelatola	JS-9560	6.25	5.00	
27	Bhojawa Ram	8817380 700	Barpelatola	JS-9560	6.25	6.25	
28	Gajraj Patel	8817799 751	Barpelatola	JS-9560	7.50	7.50	
29	Makhan Patel	8817799 751	Barpelatola	JS-9560	8.75	8.00	
30	Tiku Patel		Barpelatola	JS-9560	10.00	8.75	
31	Bhanu Patel		Barpelatola	JS-9560	6.25	6.25	
32	Netram Patel	9691310 933	Barpelatola	JS-9560	6.25	6.25	
33	Guniram Patel	9424155 096	Barpelatola	JS-9560	8.75	7.50	
34	Latkhor Patel		Barpelatola	JS-9560	8.75	7.50	
35	Gajaram Patel		Barpelatola	JS-9560	8.75	7.50	
36	Ramu Patel	9981332 487	Barpelatola	JS-9560	6.25	5.50	
37	Tulsa Ram		Barpelatola	JS-9560	8.75	8.75	
38	Ramraj		Barpelatola	JS-9560	7.50	7.50	
39	Mahesh Patel		Barpelatola	JS-9560	7.50	7.50	
40	Milan Patel		Barpelatola	JS-9560	6.25	5.00	
41	Baderam		Barpelatola	JS-9560	8.75	8.75	
42	Bharat		Barpelatola	JS-9560	7.50	6.25	
43	Bhuneshwar		Barpelatola	JS-9560	7.50	7.50	
44	Indal Patel		Barpelatola	JS-9560	6.25	6.75	
45	Tarachand		Barpelatola	JS-9560	10.00	9.00	
46	Punam Patel		Barpelatola	JS-9560	7.50	6.25	
47	Bhagwat		Barpelatola	JS-9560	6.25	6.25	
48	Sewaram		Barpelatola	JS-9560	6.25	6.25	
49	Teksingh Patel		Barpelatola	JS-9560	7.50	7.50	
50	Bodhan Patel		Barpelatola	JS-9560	5.00	3.75	

76	Bishnu Singh		Heerapur	JS-9560	9.50	8.75	
77	Ramakant		Heerapur	JS-9560	6.25	5.00	
78	Mahendra		Heerapur	JS-9560	10.75	8.75	
79	Mant Ram		Heerapur	JS-9560	9.00	8.00	
80	Babla		Heerapur	JS-9560	7.00	6.25	
81	Bhuwan Singh		Heerapur	JS-9560	7.00	5.00	
82	Gujraj		Heerapur	JS-9560	11.75	8.75	
83	Siddharam		Heerapur	JS-9560	8.75	7.50	
84	Birbal		Heerapur	JS-9560	8.00	7.50	
85	Chitren Singh		Heerapur	JS-9560	7.50	6.25	
86	Tokam Singh		Heerapur	JS-9560	7.50	7.50	
87	Dusyant		Heerapur	JS-9560	7.00	6.25	
88	Bhagwat		Heerapur	JS-9560	9.25	8.75	
89	Pardeshi Netam		Heerapur	JS-9560	8.00	7.50	
90	Ramesh		Heerapur	JS-9560	6.25	5.00	
91	Madhur Singh		Heerapur	JS-9560	9.00	8.75	
92	Nanku Ram		Heerapur	JS-9560	10.00	10.00	
93	Udho Singh		Heerapur	JS-9560	7.00	6.25	
94	Maksudan		Heerapur	JS-9560	7.50	7.50	
95	Bhup Singh		Heerapur	JS-9560	6.25	5.00	
96	Kiran		Heerapur	JS-9560	7.50	6.25	
97	Manoj		Heerapur	JS-9560	8.75	7.50	
98	Binod		Heerapur	JS-9560	9.25	6.25	
99	Niranjan		Heerapur	JS-9560	10.00	7.50	
100	Pyare Lal		Heerapur	JS-9560	13.75	11.75	
				Max.	13.75	11.75	
				Min.	6.25	5.00	
				Ave. Yield	8.50	7.34	

NMOOP-GOI, Soybean Project

Soybean- Kharif 2015

District- Bemetara

Table 10: District and village wise average, maximum and minimum yield of soybean under demonstration and farmers practice.

S. No.	Name of farmers	Mob. No.	Village	Varieties	Yield of demonstrati on (q/ha)	Yield of control plot (FP) (q/ha)	Remark
1	Manharan Lal Sahu		Dholiya	JS-335	8.00	5.50	
2	Ankalha Sahu /Budhu		Dholiya	JS-335	9.25	6.00	
3	Lakhan Sahu		Dholiya	JS-9560	2.50	2.10	
4	Jeevan Sahu		Dholiya	JS-335	3.75	3.00	
5	Balla Sahu		Dholiya	JS-335	11.75	8.50	
6	Ramchand Sahu		Dholiya	JS-9560	8.75	6.50	
7	Rajaram Sahu		Dholiya	JS-335	6.75	5.25	
8	Heera Ram Yadav		Dholiya	JS-335	9.38	8.03	
9	Budhram Sahu		Dholiya	JS-9560	7.00	6.65	
10	Narsingh Sahu		Dholiya	JS-335	2.70	2.50	
11	Subhiya Bai		Dholiya	JS-335	4.5	6.25	
12	Santosh Sahu		Dholiya	JS-335	2.6	5.68	
13	Sitaram Sahu		Dholiya	JS-9560	2.5	5.15	
14	Chhotu Sahu		Dholiya	JS-335	4.75	9.85	
15	Dharam Sahu		Dholiya	JS-335	8.4	6.50	
16	Paretan Sahu		Dholiya	JS-9560	4.8	6.74	
17	Vishambhar Sahu		Dholiya	JS-335			Failed
18	Purushottam Sahu		Dholiya	JS-335	4.5	7.65	
19	Jaisingh Sahu		Dholiya	JS-9560	5	6.45	
20	Gayaram Yadav		Dholiya	JS-335	3.5	7.45	
21	Awadh Sahu		Dholiya	JS-335	7.75	6.47	
22	Devnath Sahu		Dholiya	JS-9560	6.5	5.80	
23	Hiravan Sahu		Dholiya	JS-335	4.5	4.25	
24	Ganesh Sahu		Dholiya	JS-335	5.5	4.60	

25	Bhuneshwer Sahu		Dholiya	JS-9560	4.8	3.80	
26	Satruhan Sahu		Dholiya	JS-335	10.5	7.56	
27	Kunversingh		Dholiya	JS-335	9.3	7.65	
28	Domar Sahu		Dholiya	JS-9560	21.00	15.75	
29	Paltan Sahu		Dholiya	JS-335	11.25	10.50	
30	Lalit Sahu		Dholiya	JS-335	11.25	8.75	
31	Mannu Sahu		Dholiya	JS-9560	16.00	13.75	
32	Ganpat Sahu		Dholiya	JS-335	8.75	7.50	
33	Moolchand Sahu		Dholiya	JS-335	10.00	9.50	
34	Jethu Sahu		Dholiya	JS-9560	27.50	16.25	
35	Bhagwan Sahu		Dholiya	JS-335	24.50	19.50	
36	Anuj Sahu		Dholiya	JS-335	24.50	16.25	
37	Suresh Pandey		Dholiya	JS-9560	15.75	10.50	
38	Mehtaru		Dholiya	JS-335	16.25	14.00	
39	Yugal		Dholiya	JS-335	16.25	10.75	
				Max.	27.50	19.50	
				Min.	2.50	2.10	
				Ave. Yield	9.53	8.13	
40	Prakash Dubey		Charbhata	JS-335	13.25	11.50	
41	Sanjay		Charbhata	JS-335	9.5	7.85	
42	Shekh		Charbhata	JS-335	5.4	4.64	
43	Samaru Sahu		Charbhata	JS-335	13.75	12.80	
44	Santosh		Charbhata	JS-9560	10.5	8.64	
				Max.	13.75	12.80	
				Min.	5.40	4.64	
				Ave. Yield	10.48	9.09	
45	Sharad Joshi		Khandsara	JS-9705	8.75	5.50	
46	Madhulika		Khandsara	JS-9705	7.50	7.00	
47	Nivedita Joshi		Khandsara	JS-9705	7.50	7.00	
48	Surabhi Joshi		Khandsara	JS-9705	7.50	6.25	
				Max.	8.75	7.00	

				Min.	7.50	5.50	
				Ave. Yield	7.81	6.44	
49	Arvind Mishra		Basni	JS-9705	9.50	5.50	
50	Aashish Mishra		Basni	JS-9705	8.75	7.00	
51	Dashrath Mishra		Basni	JS-9705	7.50	6.38	
				Max.	9.50	7.00	
				Min.	7.50	5.50	
				Ave. Yield	8.58	6.29	
52	Rakesh Tiwari		Kapa	JS-9705	5.00	5.00	
53	Kumar Chandrakar		Kapa	JS-9705	5.00	4.50	
				Max.	5.00	5.00	
				Min.	5.00	4.50	
				Ave. Yield	5.00	4.75	
54	Loop Singh		Hadgaon	JS-9705	10.00	8.88	
55	Jitendra Singh		Hadgaon	JS-9705	8.75	8.75	
56	Jileshwar		Hadgaon	JS-9705	12.50	10.00	
57	Dhalsingh / Taran		Hadgaon	JS-9705	10.00	9.50	
58	Dileshwar		Hadgaon	JS-9705	7.50	6.25	
59	Topsingh / Bhuwan		Hadgaon	JS-9705	12.50	10.75	
60	Nandlal		Hadgaon	JS-9705	8.75	6.25	
61	Rajesh / Bhuwan		Hadgaon	JS-9705	11.25	8.00	
62	Ramdayal / Bhulu		Hadgaon	JS-9705	8.75	7.50	
63	Mohan/ Umend		Hadgaon	JS-9705	8.75	7.75	
				Max.	12.50	10.75	
				Min.	7.50	6.25	
				Ave. Yield	9.88	8.36	
64	Munshi / Mangal		Ghotarma	JS-9705	7.50	6.25	
65	Pritam		Ghotarma		7.50	5.67	
66	Narmda / Shankar		Ghotarma		8.75	6.85	
				Max.	8.75	6.85	

				Min.	7.50	5.67	
				Ave. Yield	7.92	6.26	
67	Ramanand / Mohan		Dewarbija	JS-9705	10.00	6.25	
68	Sanjiv / Rajendra		Dewarbija	JS-9705	8.75	6.00	
69	Rajendra		Dewarbija	JS-9705	8.75	6.50	
70	Keshav		Dewarbija	JS-9705	7.50	6.50	
71	Jeetram /Pachkaud		Dewarbija	JS-9705	10.00	7.00	
72	Salik Ram		Dewarbija	JS-9705	8.75	7.50	
73	Bhuneswar		Dewarbija	JS-9705	10.00	6.50	
74	Dukalha / Bhuwan		Dewarbija	JS-9705	4.00	1.88	
75	Girvar		Dewarbija	JS-9705	8.75	6.00	
				Max.	10.00	7.50	
				Min.	4.00	1.88	
				Ave. Yield	8.50	6.01	
76	Tarachand/		Keshdabari	JS-9705	7.50	5.25	
77	Dhrmshila /		Keshdabari	JS-9705	7.50	7.50	
78	Abhishek / Rajendra		Keshdabari	JS-9705	8.75	6.50	
				Max.	8.75	7.50	
				Min.	7.50	5.25	
				Ave. Yield	7.92	6.42	
79	Kuleshwar		Lolesara	JS-9705	3.75	3.00	
80	Shatruhan / Bharat		Lolesara	JS-9705	3.00	2.50	
81	Dhaniram / Anjor		Lolesara	JS-9705	6.25	5.50	
82	Dhanesh / Anjor		Lolesara	JS-9705	8.75	8.75	
83	Bhula / Vishal		Lolesara	JS-9705	3.50	2.23	
84	Pancham		Lolesara	JS-9705	4.00	2.50	
85	Govind / Santu		Lolesara	JS-9705	6.25	6.00	
86	Badri / Khedu		Lolesara	JS-9705	6.25	5.75	
87	Nemsingh / Khedu		Lolesara	JS-9705	5.00	5.00	
88	Bharat / Khedu		Lolesara	JS-9705	7.50	6.50	

89	Samratan / Kartik		Lolesara	JS-9705	7.50	7.00	
90	Dhursingh Sahu		Lolesara	JS-9705	6.25	5.25	
91	Bhuneswar		Lolesara	JS-9705	7.50	6.63	
92	Pawan/ Tulshi		Lolesara	JS-9705	6.25	5.25	
93	Makhan/ Anjor		Lolesara	JS-9705	14.00	11.25	
94	Raj Kumari/ Lakhan		Lolesara	JS-9705	7.50	6.75	
95	Baishakhu/ Latel		Lolesara	JS-9705	3.75	3.00	
96	Lal Das/ Mangalu		Lolesara	JS-9705	5.00	4.50	
97	Kashi/ Punau		Lolesara	JS-9705	6.25	5.25	
98	Shukhi/ Punau		Lolesara	JS-9705	7.50	6.00	
99	Ghanshyam/ Dhanau		Lolesara	JS-9705	6.25	5.25	
100	Basant/ Baishakhu		Lolesara	JS-9705	3.75	1.88	
				Max.	14.00	11.25	
				Min.	3.00	1.88	
				Ave. Yield	6.17	5.26	

NMOOP-GOI, Soybean Project

Soybean- Kharif 2016

District- Kabirdham

Table 11: District and village wise average, maximum and minimum yield of soybean under demonstration and farmers practice.

S. No.	Name of farmers	Mob. No.	Village	Varieties	Yield (q/ha)	
					Demonst-ration	Control plot
1	Shiv Prasad Sahu		Manikchauri	JS 335	23.04	16.58
2	Ashok Sahu	7828472878	Dharampura	JS 335	23.24	18.40
3	Santosh Sahu	7898753096	Dharampura	JS 335	22.60	17.18
4	Kamta prasad	9827891428	Dharampura	JS 335	23.24	18.88
5	Tukesh Sahu		Dharampura	JS 335	21.00	14.13
6	Aajuram Thakur		Dharampura	JS 335	23.00	17.18
7	Omprakash Sahu		Dharampura	JS 335	20.52	14.23
8	Hemray		Dharampura	JS 335	21.08	16.25
9	Parmeswar		Dharampura	JS 335	20.80	13.38
10	Nilam Ram		Dharampura	JS 335	20.52	13.63
11	Baijuaram		Dharampura	JS 335	23.52	14.95
12	Laxman Chandravanshi		Dharampura	JS 335	22.64	14.23
13	Kumar Dhruwe		Dharampura	JS 335	23.40	16.38
14	Matwar / Gaiinda		Dharampura	JS 335	22.20	16.40
15	Prakash / Paras		Dharampura	JS 335	22.60	17.10
16	Ramanand		Dharampura	JS 335	22.68	17.05
17	Baldau		Dharampura	JS 335	22.24	17.05
18	Nutesh / Nilam		Dharampura	JS 335	21.80	14.95
19	Ghurwa		Dharampura	JS 335	21.32	14.90
				Max.	23.52	18.88
				Min.	20.52	13.38
				Avg.	22.18	15.94
20	Sanjay Rajput	8085990332	Birkona	JS 335	20.52	15.63

NMOOP-GOI, Soybean Project

Soybean- Kharif 2016

District- Bemetara

Table 12: District and village wise average, maximum and minimum yield of soybean under demonstration and farmers practice.

S. No.	Name of farmers	Mob. No.	Village	Varieties	Yield (q/ha)	
					Demonst- ration	Control plot
1.	Bahal Ram Verma	9584151518	Baiji	JS 335	21.40	16.88
2.	Sewak Ram verma	9753267022	Baiji	JS 335	20.44	16.30
3.	Aanand Singh Verma	9926177605	Baiji	JS 335	21.48	13.90
4.	Chandrakumar Verma	7869244226	Baiji	JS 335	21.84	14.68
5.	Jhamman Kumar Verma	9165777580	Baiji	JS 335	23.16	14.90
6.	Yogendra Verma	8889990087	Baiji	JS 335	22.72	15.30
7.	Purushottam Verma	9617869124	Baiji	JS 335	20.20	15.63
8.	Dhananjay Verma		Baiji	JS 335	23.96	15.63
9.	Rohit Verma / Feru ram	8435243262	Baiji	JS 335	22.24	15.35
10.	Rohit Verma / Bisauha		Baiji	JS 335	21.88	14.23
11.	Inderman Verma		Baiji	JS 335	22.56	13.75
12.	Ajay Verma	8435050125	Baiji	JS 335	21.76	14.38
13.	Mohit Verma		Baiji	JS 335	21.56	14.63
14.	Akhilesh Verma	8357991161	Baiji	JS 335	23.00	15.80
15.	Bhanvar Verma	8720838087	Baiji	JS 335	20.68	14.88
16.	Vijay Verma	9753572428	Baiji	JS 335	23.68	15.88
17.	Sanjay Verma	9644510580	Baiji	JS 335	20.52	14.23
18.	Krishna Dhruw	8435351370	Baiji	JS 335	22.68	15.38
19.	Shersingh		Baiji	JS 335	23.52	16.05
20.	Rambilas		Baiji	JS 335	23.64	16.13
				Max.	23.68	16.88
				Min.	20.44	13.75
				Avg.	22.15	15.20

NMOOP-GOI, Soybean Project

Soybean- Kharif 2016

District: Mungeli

Table 13: District and village wise average, maximum and minimum yield of soybean under demonstration and farmers practice.

S. No.	Name of farmers	Mob. No.	Village	Varieties	Yield (q/ha)	
					Demonstration	Control plot
1.	Nande / Dinesh		Chatarkhar	JS 335	23.92	18.30
2.	Preet /Sudha		Chatarkhar	JS 335	23.00	16.88
3.	Ramabai / Rupsingh		Chatarkhar	JS 335	21.00	15.63
4.	Dinesh Saprey /Jethu		Chatarkhar	JS 335	25.80	18.63
5.	Ramdayal / Shyam ji	851893398	Chatarkhar	JS 335	23.40	17.13
6.	Uderam Yadav		Chatarkhar	JS 335	20.40	15.25
7.	Raju /Preet		Chatarkhar	JS 335	20.72	15.45
8.	Dasaru Saprey/ Dinesh	9617230461	Chatarkhar	JS 335	20.40	15.25
9.	Jhhamman Manikpuri	7724027824	Chatarkhar	JS 335	20.84	15.53
10.	Dadu Sahu /Preet	8959018270	Chatarkhar	JS 335	21.68	16.05
11.	Mohit /Sudha		Chatarkhar	JS 335	21.84	16.15
12.	Baburam /Moti		Chatarkhar	JS 335	20.68	15.43
13.	Dashrath / Dinesh		Chatarkhar	JS 335	21.60	16.00
14.	Tirith / Sudha		Chatarkhar	JS 335	23.16	19.48
15.	Santosh Saprey	8889846089	Chatarkhar	JS 335	25.68	18.55
16.	Prakash Dubey	8889846152	Chatarkhar	JS 335	23.64	17.28
17.	Ram Prasad / Shyamji		Chatarkhar	JS 335	25.52	18.45
18.	Nilam sahu		Chatarkhar	JS 335	23.00	16.85
				Max.	25.68	18.63
				Min.	20.40	15.25

				Avg.	22.57	16.79
19.	Manoj Singh		Banki	JS 335	27.28	19.55
20.	Kuljeet Singh		Banki	JS 335	24.72	17.95
21.	Prem singh	9926139033	Banki	JS 335	25.44	18.40
22.	Tulasi Mankpuri		Banki	JS 335	22.76	16.55
23.	Shiv Pratap Singh		Banki	JS 335	23.88	17.58
24.	Balraj Singh	9926139033	Banki	JS 335	24.64	18.21
25.	Ranjit Singh		Banki	JS 335	22.72	16.48
26.	Manoj Singh		Banki	JS 335	21.12	15.87
				Max.	27.28	19.55
				Min.	22.76	15.87
				Avg.	24.07	17.57
27.	Dinesh Saprey		Chalan	JS 335	22.92	16.87
28.	Usha / Puran		Chalan	JS 335	22.20	15.24
29.	Lakhan Lal Sahu		Chalan	JS 335	21.48	14.36
30.	Tokhan Sahu		Chalan	JS 335	23.64	17.85
				Max.	23.64	17.85
				Min.	21.48	14.36
				Avg.	22.56	16.08

NMOOP-GOI, Soybean Project

Soybean- Kharif 2016

District: Rajnandgaon

Table 14: District and village wise average, maximum and minimum yield of soybean under demonstration and farmers practice.

S. No.	Name of farmers	Mob. No.	Village	Varieties	Yield (q/ha)	
					Demonstration	Control plot
1.	Dheeraj / Budhram		Kalewa	JS 335	25.00	18.13
2.	Pusau / Kalram		Kalewa	JS 335	24.00	17.50
3.	Likhan Pusau		Kalewa	JS 335	27.20	19.50
4.	Nirbhay lal / Pusau		Kalewa	JS 335	24.40	17.75
5.	Motilal / Ramcharan		Kalewa	JS 335	24.68	17.93
6.	Shatruhan / Ramcharan		Kalewa	JS 335	24.40	17.75
7.	Ganpat / Gyandas		Kalewa	JS 335	25.00	18.13
8.	Gurucharan / Punau		Kalewa	JS 335	27.20	19.50
9.	Mayaram / Ram Prasad		Kalewa	JS 335	24.44	17.78
10.	Bhuneswar / Mayaram		Kalewa	JS 335	24.60	17.88
11.	Vidya Das / Gurucharan		Kalewa	JS 335	25.20	18.25
12.	Krishna / Ramratan		Kalewa	JS 335	24.60	17.88
13.	Manthir / Dheeraji		Kalewa	JS 335	24.72	17.95
14.	Dujeram / Jaiyta		Kalewa	JS 335	25.00	18.13
15.	Banas / Sudhe		Kalewa	JS 335	25.32	18.33
				Max.	27.20	19.50
				Min.	24.00	17.75

				Avg.	25.05	18.16
16.	Aaju / Dular		Kunwarjhorki	JS 97 52	25.60	18.50
17.	Ramtirith / Mitthu		Kunwarjhorki	JS 97 52	26.16	18.85
18.	Chandresh / Dular		Kunwarjhorki	JS 97 52	26.56	19.10
19.	Santram / Bhaiyaram		Kunwarjhorki	JS 97 52	26.04	18.78
20.	Ramratan / Latel		Kunwarjhorki	JS 97 52	25.44	18.40
				Max.	26.56	19.10
				Min.	25.44	18.40
				Avg.	25.96	18.73

Table 15: Seasonal Rainfall Situation (mm) during Kharif season (June-October 2015) in the districts of Projects

Durg					Kabircham					Bemetara					Raajnandagon				
June	July	Aug.	Sept.	Oct.	June	July	Aug.	Sept.	Oct.	June	July	Aug.	Sept.	Oct.	June	July	Aug.	Sept.	Oct.
32.6	37.6	0.0	2.0	0.0	0.0	24.0	0.0	0.0	0.0	0.0	28.0	0.0	24.0	0.0	4.2	30.2	0.0	28.4	0.0
0.0	44.6	0.0	22.2	0.0	0.0	7.6	0.0	0.0	0.0	0.0	17.4	4.3	7.0	0.0	0.0	15.4	0.0	0.0	0.0
0.0	3.2	2.2	0.0	0.0	0.0	12.0	12.3	0.0	0.0	0.0	10.2	18.4	0.0	0.0	26.8	0.0	2.2	0.0	0.0
0.0	0.0	29.6	0.0	0.0	0.0	1.2	7.4	0.0	0.0	0.0	9.4	117.2	0.0	0.0	0.0	0.0	24.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	3.6	0.0	0.0
15.0	0.0	0.2	0.0	0.0	14.6	0.0	0.0	0.0	0.0	3.0	3.1	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
1.0	0.0	0.0	0.0	0.0	18.0	0.0	42.4	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	12.0	0.0	0.0	0.0	0.0	30.8	0.0	8.6	0.0	0.0	26.4	0.0	0.0	0.0	0.0	3.0	0.0	1.2	0.0
0.0	43.2	0.0	0.0	0.0	0.0	39.9	0.0	0.0	0.0	0.0	54.0	0.0	0.0	0.0	0.0	36.6	0.0	1.2	0.0
0.0	27.2	42.0	0.0	0.0	0.0	48.2	6.3	0.0	0.0	4.0	4.0	20.0	0.0	0.0	0.0	12.2	0.4	0.0	0.0
0.0	2.2	2.6	0.0	0.0	3.0	2.4	10.2	0.0	0.0	11.2	0.0	20.0	0.0	0.0	5.8	4.8	31.6	0.0	0.0
0.0	0.0	9.0	2.0	0.0	8.0	0.0	19.8	0.0	0.0	0.0	0.0	50.2	0.0	0.0	0.0	0.0	24.6	24.0	0.0
26.6	1.2	4.6	0.0	0.0	0.0	0.0	8.8	0.0	0.0	2.0	12.3	19.0	0.0	0.0	70.8	0.0	12.0	0.0	0.0
0.0	8.0	0.0	1.2	0.0	11.0	0.0	14.9	52.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0
0.0	0.0	0.0	19.6	0.0	0.0	0.0	1.4	0.0	0.0	30.3	0.0	5.3	0.0	0.0	0.0	0.0	0.0	9.8	0.0
3.0	0.0	6.6	71.2	0.0	0.0	0.0	12.6	42.2	0.0	30.4	0.0	128.2	46.2	0.0	5.6	0.0	10.0	73.0	0.0
0.0	5.0	0.0	33.4	0.0	0.0	20.8	0.0	36.6	0.0	0.0	40.0	0.0	7.0	0.0	0.0	11.8	0.0	4.0	0.0
2.0	0.0	0.0	0.0	0.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.4	29.0	0.0	0.0	0.0
1.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	7.2	0.0	0.0	26.4	0.0	0.0	0.0
0.0	1.2	2.0	32.4	0.0	0.0	0.0	0.0	32.8	0.0	0.0	0.0	0.0	92.0	0.0	2.2	8.2	0.0	8.2	0.0
38.6	0.0	0.0	0.0	0.0	66.4	0.0	0.0	1.2	0.0	77.0	0.0	0.0	3.0	0.0	94.0	2.0	3.0	0.0	0.0
44.0	10.6	0.0	0.0	0.0	20.6	9.1	0.0	0.0	0.0	13.7	38.2	0.0	0.0	0.0	77.8	2.0	0.0	0.0	0.0
1.2	15.6	0.0	0.0	0.0	2.0	9.0	0.0	0.0	0.0	6.0	10.1	0.0	0.0	0.0	0.0	31.0	0.0	0.0	0.0
4.2	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	6.4	1.0	0.0	0.0	0.0
5.6	0.0	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	1.2	0.0	0.0
0.0	0.0	6.2	0.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	5.0	6.0	0.0	0.0	0.0	0.4	8.2	0.0	0.0
0.0	0.0	5.6	0.0	0.0	0.0	0.0	39.2	0.0	0.0	0.0	0.0	60.0	0.0	0.0	0.0	0.0	34.2	0.0	0.0
0.0	0.0	3.6	0.0	0.0	3.0	0.0	16.8	0.0	0.0	45.3	0.0	0.0	0.0	0.0	0.0	0.0	32.6	0.0	0.0
0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0		701.0		0.0	3.4		765.3		0.0	0.0		1159.5		0.0	2.4		878.4

Table 16: Seasonal Rainfall Situation (mm) during Kharif season (June- October 2016) in the districts of Projects

Kabirdham					
June	July	Aug	Sept	Oct	
0.0	0.0	12.5	0.0	2.8	
0.0	4.0	12.4	4.6	0.4	
0.0	8.3	3.7	3.7	0.0	
0.0	6.2	17.0	1.3	0.0	
0.0	3.7	32.0	0.0	0.0	
0.0	17.1	16.4	0.0	0.0	
0.0	0.0	17.5	0.0	5.7	
1.8	1.3	1.1	0.0	9.1	
0.0	4.8	0.6	0.0	4.8	
0.0	10.2	14.8	0.0	3.8	
0.0	26.9	0.0	3.3	0.0	
0.5	12.8	6.4	10.0	0.0	
0.0	0.4	0.6	11.8	0.0	
0.3	0.0	3.2	1.6	0.0	
0.0	4.1	1.8	0.8	0.0	
0.0	9.5	0.0	0.0	0.0	
3.5	21.7	2.2	0.0	0.0	
11.1	17.3	0.0	0.0	0.0	
14.3	1.0	0.0	22.4	0.0	
1.9	0.0	0.0	2.2	0.0	
0.0	12.4	0.0	2.2	0.0	
0.0	15.5	0.0	1.8	0.0	
0.0	5.4	2.8	0.0	0.0	
32.3	1.7	0.6	3.7	0.0	
6.5	0.3	9.7	27.1	0.0	
0.0	21.2	13.2	59.1	0.0	
11.1	109.2	10.2	28.3	0.0	
28.7	0.3	0.3	13.0	0.0	
2.5	3.8	0.0	12.3	0.0	
0.0	8.4	0.0	35.5	0.0	
Total Seasonal Rain (mm)		34.3		0.0	

Bemetara					
June	July	Aug	Sept	Oct	
0.0	0.0	32.1	0.0	8.5	
0.0	25.0	6.3	6.3	0.0	
0.0	8.5	10.5	4.3	2.3	
0.0	4.3	12.4	2.3	0.0	
0.0	6.8	22.4	0.0	0.0	
0.0	31.1	6.9	0.0	0.0	
0.0	4.3	11.0	0.0	9.8	
3.0	6.1	5.6	0.0	11.4	
4.0	2.6	0.5	0.5	18.6	
0.6	17.3	3.8	2.9	34.1	
0.0	9.8	0.0	0.0	0.0	
0.0	0.0	4.3	21.4	0.0	
4.5	2.8	0.0	27.3	0.0	
2.5	2.5	5.6	4.1	0.0	
0.0	0.3	0.3	1.8	0.0	
0.0	3.3	0.0	0.5	0.0	
8.5	4.6	4.1	0.0	0.0	
13.8	23.3	2.0	12.0	0.0	
1.8	1.7	2.3	10.9	0.0	
11.8	0.0	1.8	2.5	0.0	
0.5	16.4	1.3	0.8	0.0	
0.0	31.5	0.0	0.0	0.0	
0.0	4.6	0.0	0.0	0.0	
34.1	14.5	0.3	0.6	0.0	
20.8	0.8	0.0	9.3	0.0	
0.0	13.3	20.1	21.4	0.0	
6.1	8.9	16.1	37.4	0.0	
22.5	5.0	0.0	3.4	0.0	
5.0	0.0	0.0	12.3	0.0	
0.3	9.1	0.0	14.5	0.0	
	10.9	2.2		0.0	
				860.2	

Rajnandgaon					
June	July	Aug	Sept	Oct	
0.0	0.0	5.6	0.4	32.5	
0.0	25.8	14.2	7.1	3.4	
0.0	22.1	21.3	9.1	5.4	
0.0	15.0	12.2	4.7	0.0	
0.0	16.6	32.5	0.0	0.0	
0.0	20.3	22.6	0.2	0.0	
0.0	14.3	28.5	0.9	13.0	
0.2	24.8	3.7	0.0	9.8	
4.7	19.3	4.2	0.1	17.2	
0.0	15.3	4.8	1.4	16.0	
0.0	14.6	2.5	52.9	0.0	
2.3	4.9	7.9	22.7	0.0	
0.0	10.8	0.8	14.5	0.0	
3.2	1.9	0.7	6.7	0.0	
0.0	2.0	1.6	4.7	0.0	
0.0	4.4	5.3	0.0	0.0	
3.6	8.0	3.2	2.4	0.0	
22.0	12.3	0.0	3.2	0.0	
0.6	4.9	2.5	0.8	0.0	
6.8	0.0	0.0	1.7	0.0	
0.0	21.8	1.2	6.6	0.0	
0.0	17.7	0.0	0.5	0.0	
0.0	13.6	0.0	0.5	0.0	
9.8	3.8	0.0	0.9	0.0	
4.4	5.8	3.2	19.6	0.0	
0.0	4.5	8.3	25.3	0.0	
15.2	1.4	27.9	13.2	0.0	
31.9	0.0	1.0	9.8	0.0	
15.6	2.5	2.0	23.3	0.0	
0.2	9.6	3.2	10.2	0.0	
	0.8	31.3		0.0	
				1031.2	

Mungeli					
June	July	Aug	Sept	Oct	
0.0	0.0	6.1	0.0	3.3	
0.0	1.2	0.0	0.0	0.0	
0.0	8.3	7.0	7.2	0.0	
0.0	10.8	11.5	3.8	0.0	
0.0	9.7	26.4	0.7	0.0	
0.0	12.3	31.8	0.0	0.0	
0.0	3.0	23.5	0.0	3.5	
0.0	0.1	2.9	0.0	28.9	
0.0	0.0	0.0	0.5	3.5	
0.0	0.7	38.0	7.9	6.2	
0.0	2.3	0.0	2.0	0.0	
0.0	1.2	0.0	19.7	0.0	
5.5	0.7	0.9	2.2	0.0	
15.3	7.5	0.0	0.9	0.0	
0.0	3.0	3.1	2.9	0.0	
5.1	2.8	0.0	0.0	0.0	
0.0	11.9	2.9	0.0	0.0	
22.7	42.4	6.7	0.0	0.0	
3.1	0.0	0.0	0.0	0.0	
3.6	0.8	0.0	0.9	0.0	
1.1	5.7	0.0	0.0	0.0	
0.0	34.3	0.0	0.0	0.0	
0.0	18.4	1.7	0.0	0.0	
13.6	13.3	5.1	0.0	0.0	
2.4	0.0	0.0	2.7	0.0	
0.0	0.0	16.1	20.3	0.0	
11.7	0.0	42.7	31.4	0.0	
19.9	15.0	0.0	17.4	0.0	
0.0	0.0	0.0	10.7	0.0	
0.0	7.7	3.5	10.4	0.0	
	12.6	23.2		0.0	
				769.7	

The Extent of Problem



The Solution



Indira Soya Seed Drill (Raised Bed Soybean Planter)



Formation of Raised Bed and Furrows and sowing

Raising Soybean Crop on Raised Bed



Crop Condition







IMPORTANT VISITORS



Agriculture Production Commissioner, CG Govt, Hon'ble Vice Chancellor, Director Agriculture, CG Govt. and other official visiting demonstration site at Bemetra District



Field day at Rajnandgaon district on demonstration site

TrainingsProgrammes



Training at Kawardha District



Training at Bemetara District



Training at Durg District



Training at Mungeli District