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SUCCESS STORIESON CLOSER SPACING DEMONSTRATION TECHNOLOGY IN COTTON CROP CONDUCTED BY KRISHI VIGYAN KENDRA, BANAVASI.

Shri. Talla Vishnu Vardhan Reddy (Yp – II),Shri. P. Ravindra (Yp – I),Dr. K. Raghavendra Chowdary. (Programme Coordinator),Dr. T. Sri Chandana (SMS Extension).
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Farmer - 1

Boya Pedda Anjinaiah

1.) **Name of farmer:** Boya Pedda Anjinaiah.

2.) **Mobile number:** 8978387884.

3.) **Village**: Rangapuram.

- **Tehsil:** Pedda Kadubur.
- **District**: Kurnool.
- **State:** Andhra Pradesh.
- **KVK:** Krishi Vigyan Kendra, Banavasi.
- **Nodal officer names**: Dr. K. Raghavendra Chowdary, Programme Coordinator (District nodal officer), T. Vishnu Vardhan reddy (Village nodal officer).
- **Intervention adopted on soil type:** Closer spacing and application of Mepiquat chloride @ 1ml per liter 45 DAS in red Soil.

4.) **Hybrid used:** Crystal (CCH-369).

5.) **Seed rate:** 4 packets per acre.

6.) **Irrigated/Rainfed:** Irrigated.

7.) **Yield achieved:** 18 quintals/acre.

8.) **% increase over conventional (control):** 43 % of the yield increased compared to the conventional method.

9.) **Number of pickings**: 2 Pickings.

10.) **Second crop of any:** Cluster bean.

11.) **Economics:**

S.no	Particulars	Cost (INR)/Acre
	Land Preparation	2400/-
	Seed cost	3400/-
	Sowing	2000/-
	Manures	3000/-
	Fertilizers	3360/-
	Weeding	3000/-

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	Mepiquat Chloride	800/-
	Inter cultivation	2500/ -
	Plant Protection Measures	9000/-
	Harvesting	11500/-
	a) 1st Picking (yield × selling price)	8 q x 7400
	b) 2nd picking (yield × selling price)	4 q x 7500
	c) 3rd picking (yield × selling price)	6 q x 6990
	Cost of cultivation	40960/-
	Gross Return	131140/-
	Net returns	90180/-
	B: C Ratio	2.2:1

12. INM: Urea – 105 kgs per acre, SSP: 40 kgs per acre, MOP: 40 kgs per acre, and foliar application of Potassium nitrate 1kg per acre & Boron 250 gm per acre & Magnesium Sulphate 1kg per acre.

13. IPM/IDM: Pheromone traps 6 per acre, 10 Yellow and 10 Blue sticky traps per acre.

14. Any field day conducted in this field: Yes

15. Number of fellow farmers attended (If any): 35 farmers & Department of Agriculture officials.

16. Specific feedback if any & on future adoption:

- Adopted farmers were delighted with the technology demonstration.
- After observing the relative advantage of technology demonstration over conventional method fellow farmers are very much interested in the adoption of HDPS/CS Technology.
- A Pneumatic planter has been requested by the farmer for the upcoming season of precise sowing.
- Farmers have shown keen interest in adopting HDPS technology in their fields in the next *kharif* season.

17. **Farmer photo, field photo**:

Fig: Farmer cotton Field demonstrating Closer Spacing technology.

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Fig: Field visit by KVK, Banavasi staff to demonstration plot.

Fig: Field day in Closer Spacing cotton field.

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Farmer – 2

Kapu Nagi Reddy

1.) **Name of farmer: Kapu Nagi Reddy**.

2.) **Mobile number:** 6281083804.

3.) **Village**: Rangapuram

- **Tehsil:** Pedda Kadubur
- **District**: Kurnool.
- **State:** Andhra Pradesh.
- **KVK:** Krishi Vigyan Kendra, Banavasi.
- **Nodal officer names**: Dr. K. Raghavendra Chowdary, Programme Coordinator (District nodal officer), T. Vishnu Vardhan reddy (Village nodal officer).
- **Intervention adopted on soil type:** Closer spacing and application of Mepiquat chloride @ 1ml per litre 45 DAS in red Soil.

4.) **Hybrid used:** Crystal (CCH-369).

5.) **Seed rate:** 4 packets per acre.

6.) **Irrigated/Rainfed:** Rainfed.

7.) **Yield achieved:** 15 quintals / Acre.

8.) **% increase over conventional (control):** 46 % of the yield increased compared to the conventional method.

9.) **Number of pickings**: 3 Pickings.

10.) **Second crop of any:** Intercropping with Red gram (10:1)

11.) **Economics:**

S.no	Particulars	Cost (INR)/Acre
	Land Preparation	3600/-
	Seed cost	3460/-
	Sowing	1500/-
	Manures	2500/-
	Fertilizers	4500/-
	Weeding	3000/-
	Mepiquat Chloride	800/-
	Inter cultivation	3000/ -
	Plant Protection Measures	7000/-
	Harvesting	10000/-
	a) 1st Picking (yield × selling price)	7q x 8200/-
	b) 2nd picking (yield × selling price)	5q x 7600/-
	c) 3rd picking (yield × selling price)	3q x 6400/-
	Cost of cultivation	39360/-

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	Gross Return	114600/-
	Net returns	76040/-
	B: C Ratio	1.9:1

12. INM: Urea – 120 kgs per acre, 20:20:0:13 - 100 kgs per acre, MOP: 50 kgs per acre, and foliar application of Potassium nitrate 1kg, Boron 250 gm, & Magnesium Sulphate 1kg per acre.

13. IPM/IDM: Pheromone traps 6 per Acre, 10 Yellow and 10 Blue sticky traps per acre.

14. Any field day conducted in this field: Yes

15. Number of fellow farmers attended (If any): 45 fellow farmers & Department of Agriculture officials.

16. Specific feedback if any & on future adoption:

- Adopted farmers were delighted with the technology demonstration.
- After observing the relative advantage of technology demonstration over conventional method fellow farmers are very much interested in the adoption of HDPS/CS Technology.
- A Pneumatic planter has been requested by the farmer for the upcoming season of precise sowing.
- Farmers have shown keen interest in adopting HDPS technology in their fields in the next *kharif* season.

17. **Farmer photo, field photo**:

Fig: Field visit by KVK staff to the demonstration field.

Fig: Field Day in the Closer Spacing cotton field.

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Farmer - 3

Chakali Sekhar

1. **Name of farmer: Chakali Sekhar.**
2. **Mobile number:** 9346510856
3. **Village**: H. Muravani.
   - **Tehsil:** Pedda Kadubur
   - **District**: Kurnool.
   - **State:** Andhra Pradesh.
   - **KVK:** Krishi Vigyan Kendra, Banavasi.
   - **Nodal officer names**: Dr. K. Raghavendra Chowdary, Programme Coordinator (District nodal officer), T. Vishnu Vardhan reddy (Village nodal officer).
   - **Intervention adopted on soil type:** Closer Spacing and application of Mepiquat chloride @ 1ml per liter 45 DAS in red Soil.
4. **Hybrid used:** Crystal (CCH-369).
5. **Seed rate:** 4 packets per acre.
6. **Irrigated/Rainfed:** Irrigated.
7. **Yield achieved:** 20 quintals / Acre.
8. **% increase over conventional (control):** 50 % of the yield increased compared to the conventional method.
9. **Number of pickings**: 3 Pickings.
10. **Second crop of any:** Maize.
11. **Economics:**

S.no	Particulars	Cost (INR)/Acre	
	Land Preparation	5400/-	
	Seed cost	3460/-	
	Sowing	1200/-	
	Manures	12000/-	
	Fertilizers	NIL	
	Weeding	3000/-	
	Mepiquat Chloride	800/-	
	Inter cultivation	3000/ -	
	Plant Protection Measures	11666/-	
	Harvesting	11000/-	
	a.) 1st Picking (yield × selling price)	6q x 7500/-	
	b.) 2nd picking (yield × selling price)	10q x 7300/-	

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	c.) 3rd picking (yield × selling price)	4q x 6700/-	
	Cost of cultivation	51526/-	
	Gross Return	144800/-	
	Net returns	93274/-	
	B: C Ratio	1.81:1	

12. INM: Sheep penning for 12 days and foliar application of Potassium nitrate 1kg, Boron 250 gm, & Magnesium Sulphate 1kg per acre.

13. IPM/IDM: Pheromone traps 6 per Acre, 10 yellow and 10 blue sticky traps per acre.

15. Any field day conducted in this field: Yes

16. Number of fellow farmers attended (If any): 45 fellow farmers & Department of Agriculture Officials.

17. Specific feedback if any & on future adoption:

- Adopted farmers were delighted with the technology demonstration.
- After observing the relative advantage of technology demonstration over conventional method fellow farmers are very much interested in the adoption of HDPS/CS Technology.
- A Pneumatic planter has been requested by the farmer for the upcoming season of precise sowing.
- Farmers have Shown Keen interest in adopting HDPS technology in their fields in the next kharif season.

18. **Farmer photo, field photo**:

Fig: Field Day in Closer Spacing on a cotton field.

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Farmer – 4

Billekal Tagaram Sujatha

1.) **Name of farmer: Billekal Tagaram Sujatha**.

2.) **Mobile number:** 9866294825.

3.) **Village**: Kapati.

- **Tehsil:** Adoni.
- **District**: Kurnool.
- **State:** Andhra Pradesh.
- **KVK:** Krishi Vigyan Kendra, Banavasi.
- **Nodal officer names**: Dr. K. Raghavendra Chowdary, Programme Coordinator (District nodal officer).

  T. Vishnu Vardhan reddy (Village nodal officer).
- **Intervention adopted on soil type:** Closer Spacing and Application of Mepiquat chloride @ 1ml per litre 45 DAS in red Soil.

4.) **Hybrid used:** Crystal (CCH-369).

5.) **Seed rate:** 4 Packets per Acre.

6.) **Irrigated/Rainfed:** Rainfed.

7.) **Yield achieved:** 14 quintals/acre.

8.) **% increase over conventional (control):** 35% of the yield increased compared to the conventional Method.

9.) **Number of pickings**: 3 Pickings.

10.) **Second crop of any:** No Sowing.

11.) **Economics:**

S.no	Particulars	Cost (INR)/Acre
	Land Preparation	2500/-
1.	Seed cost	3450/-
	Sowing	1500/-
	Manures	2500/-
	Fertilizers	6500/-
	Weeding	3000/-
	Mepiquat Chloride	800/-
	Inter cultivation	2800/ -
	Plant Protection Measures	6000/-
	Harvesting	10000/-
	a) 1st Picking (yield × selling price)	8q x 7400
	b) 2nd picking (yield × selling price)	4q x 7650

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	c) 3rd picking (yield × selling price)	2q x 7000
	Cost of cultivation	39050/-
	Gross Return	103800/-
	Net returns	64750/-
	B: C Ratio	1.65:1

12. INM: Urea – 120 kgs per acre, SSP: 50 kgs per acre, MOP: 50 kgs per acre, and Foliar application of Potassium nitrate 1kg, Boron 250 gm, & Magnesium Sulphate 1kg per acre.

13. IPM/IDM: Pheromone traps 6 per Acre, Pb Knot 160 threads per Acre, 10 Yellow and 10 Blue sticky traps per Acre.

14. Any field day conducted in this field: Yes

15. Number of fellow farmers attended (If any): 50 fellow farmers & Department of Agriculture Officials.

16. Specific feedback if any & on future adoption:

- Adopted farmers were delighted with the technology demonstration.
- After observing the relative advantage of technology demonstration over conventional method fellow farmers are very much interested in the adoption of HDPS/CS Technology.
- A pneumatic planter has been requested by the farmer for the upcoming season of precise sowing.
- Farmers have Shown Keen interest in adopting HDPS technology in their fields in the next kharif season.

17. Farmer photo, field photo:

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Farmer – 5

Kuruva Ganesh

1. **Name of farmer: Kuruva Ganesh.**
2. **Mobile number:** 9441310776.
3. **Village**: Badinehal
   - **Tehsil:** Kowthalam
   - **District**: Kurnool.
   - **State:** Andhra Pradesh.
   - **KVK:** Krishi Vigyan Kendra, Banavasi.
   - **Nodal officer names**: Dr. K. Raghavendra Chowdary, Programme Coordinator (District nodal officer).

     T. Vishnu Vardhan reddy (Village nodal officer).
   - **Intervention adopted on soil type:** Closer Spacing and application of Mepiquat chloride @1 ml per litre 45 DAS in red Soil.
4. **Hybrid used:** Crystal (CCH-369).
5. **Seed rate:** 4 packets per acre.
6. **Irrigated/Rainfed:** Rainfed.
7. **Yield achieved:** 15 quintals / Acre.
8. **% increase over conventional (control):** 26 % of the yield increased compared to the conventional Method.
9. **Number of pickings**: 3 Pickings.
10. **Second crop of any:** No Sowing.
11. **Economics:**

S.no	Particulars	Cost (INR)/Acre
	Land Preparation	3300/-
	Seed cost	3400/-
	Sowing	1400/-
	Manures	2700/-
	Fertilizers	5500/-
	Weeding	3000/-
	Mepiquat Chloride	800/-
	Inter cultivation	2800/ -
	Plant Protection Measures	7000/-
	Harvesting	11000/-
	a) 1st Picking (yield × selling price)	7q x 7600

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	b) 2nd picking (yield × selling price)	6q x 7400
	c) 3rd picking (yield × selling price)	2q x 7000
	Cost of cultivation	40900/-
	Gross Return	111600/-
	Net returns	70700/-
	B: C Ratio	1.72:1

12. INM: DAP: Urea – 100 kgs per acre, 50 kgs per acre, MOP: 50 kgs per acre, and foliar application of Potassium nitrate 1kg, Boron 250 gm, & Magnesium Sulphate 1kg per acre.

13. IPM/IDM: Pheromone traps 6 per Acre, 10 yellow and 10 blue sticky traps per acre.

14. Any field day conducted in this field: Yes

15. Number of fellow farmers attended (If any): 50 fellow farmers & Department of Agriculture Officials.

16. Specific feedback if any & on future adoption:

- Adopted farmers were very much satisfied with the technology demonstration as the net return was high compared to the previous year.
- After observing the relative advantage of technology demonstration over conventional method fellow farmers are very much interested in the adoption of HDPS/CS Technology.
- A pneumatic Planter has been requested by the farmer for the upcoming season.
- Next Season farmers are very interested in demonstrating HDPS technology.

17. **Farmer photo, field photoచ**