

Front Line Demonstrations conducted under TSP-STCR, during kharif and rabi seasons:



The FLD's were conducted at 10 tribal villages of District-Korea. The details of the farmers and their farms soil testing report of 10 tribal villages with different crop tested with STCR technology and compared with farmer's fertilizer practices.

Out of 140, Total 50 demonstrations were taken for rice in kharif season and 90 demonstrations were taken for wheat, mustard,

potato, brinjal & tomato in rabi season. The yield targets of crops were fixed as per crop variety and farms condition. The crop yields achieved against targeted with in the limit of $\pm 10\%$ variation is considered valid under STCR norms. Results indicate that soil test based balance fertilizer application to achieve a definite yield target of the crop can be benefited to the farmers in term of net profit and net return as compared to the farmer's fertilizer practice or blanket fertilizer dose which do not account the balance manner of fertilization. The tribal beneficiaries were given inputs like seed, fertilizers and plant protection measures and benefited with increased yields over their traditional practices.



| Crop | Variety | Fertilizer dose for yield target (q/ha) | | | Yield STCR | Yield FPD | % Increased over FPD |
|---------|----------------------|---|-------|-------|------------|-----------|----------------------|
| | | FN | FP | FK | | | |
| Tomato | S-22, Vaishnavi 2082 | 100.63 | 47.13 | 63.00 | 324.94 | 291.56 | 34.01 |
| Brinjal | VNR-125 & VNR-16 | 128.93 | 42.20 | 63.13 | 206.23 | 158.01 | 26.95 |
| Potato | Kufri bahar | 190.00 | 72.80 | 54.80 | 210.12 | 171.46 | 22.86 |
| Wheat | GW-322,273, HD 2932 | 101.83 | 37.14 | 36.07 | 27.66 | 19.03 | 47.17 |
| Mustard | Bharat Sarson- 2 | 128.00 | 44.50 | 50.00 | 12.50 | 8.65 | 44.80 |
| Paddy | Chandahasani, IR-64 | 107.92 | 41.60 | 45.59 | 46.09 | 35.04 | 32.73 |

Front Line Demonstrations conducted under TSP-LTFE, during kharif and rabi seasons:



The Front Line Demonstrations in a cluster based approach was carried out by Krishi Vigyan Kendra, Korea with technological & financial support of Balance Nutrient Management under AICRP-LTFE, IGKV, Raipur during Kharif & Rabi season from 2014-15 to 2016-17 (Three consecutive years) in the Tribal farmers field of adopted villages of Korea district. During this Three year of study, in area of **32 ha & 50 ha** was covered with plot

size 0.40 ha under Front-line demonstration with active participation of **125 and 80 tribal farmers** in rice and wheat respectively. Before conducting FLDs, a list of tribal farmers was prepared from group meeting and specific skill training was given to the selected farmers regarding package of practices of Rice & wheat. In demonstration plots, use of quality seeds of improved varieties, Sowing Operations, timely weeding, need based pesticides application as well as **balanced fertilization (100:60:40)**, irrigation were emphasized and comparison has been made with the existing practices. The tradition



practices were maintained in case of farmers practices & local check. The data output were collected from FLD plots as well as farmer and control plot and finally the extension gap, technological gap, technological index along with the benefit-cost ratio were calculated from FLD plots as well as farmer and control plot and finally the extension gap, technological gap, technological index along with the benefit-cost ratio were calculated.

Productivity, technology gap, extension gap and Technology index in Rice under Front Line Demonstration

| Area (ha) | Varieties | Seed Yield (q/ha) | | | % Increase Over Control |
|-----------------------|----------------------|----------------------|----------------|-------------------|-------------------------|
| | | Potential | Demonstrations | Farmers Practices | |
| 20 | Chandahasani | 50 | 42.85 | 31.48 | 36.12 |
| 12 | Samleshwari | 50 | 40.55 | 32.50 | 24.77 |
| Technology Gap (q/ha) | Extension Gap (q/ha) | Technology Index (%) | B:C Ratio | | |
| | | | RP | FP | TP |
| 7.15 | 11.37 | 14.30 | 2.84 | 2.37 | 1.67 |
| 9.45 | 8.05 | 18.90 | 2.60 | 2.65 | 1.38 |

Productivity, technology gap, extension gap and Technology index in Wheat under Front Line Demonstration

| Area (ha) | Varieties | Seed Yield (q/ha) | | | % Increase Over Control |
|-----------|-----------|-------------------|----------------|-------------------|-------------------------|
| | | Potential | Demonstrations | Farmers Practices | |
| 20 | Ratan | 40 | 37.04 | 22.70 | 63.00 |
| 20 | RBW4102 | 40 | 35.16 | 23.20 | 51.00 |
| 10 | GW-273 | 40 | 36.11 | 22.59 | 59.00 |

| Technology Gap (q/ha) | Extension Gap (q/ha) | Technology Index (%) | B:C Ratio | | |
|-----------------------|----------------------|----------------------|-----------|------|------|
| | | | RP | FP | TP |
| 2.96 | 14.34 | 7.40 | 3.01 | 2.39 | 1.97 |
| 4.84 | 11.96 | 12.10 | 2.70 | 2.25 | 1.75 |
| 3.89 | 13.52 | 9.72 | 2.77 | 2.12 | 1.60 |

Front Line Demonstrations conducted under AICRP-Fodder, during kharif and rabi seasons:



Krishi Vigyan Kendra-Korea in collaboration with ACRIP Fodder-TSP initiated year round fodder production model in cluster as well as individual Tribal farmers Field to increase the nutritive fodder area, production and productivity as village level namely Bhandarpara, Karildua, Nagar & Budar Block-Baikunthpur, District-Korea. Farmers has been selected as per their interest and intensive training programme conducted as Village

level & KVK to create awareness to grow fodder in their waste land/upland to make fodder as income generation source. RCC pole fencing with barbed wire in cluster land was done. Sprinkler system and pump was taken up with Agriculture Department in Shakambari scheme. In Which Farmers share deposited by ACRIP-Fodder and Subsidy through state government.



Fodder production initiated in Rabi 2015-16 with allocation of various fodder crops to demonstrate for promote the fodder production & productivity. Green fodder production tie up for sale with district government dairy and KVK Farm to create self entrepreneurship among farming community. This established model will be continuing to grow fodder during upcoming Kharif, rabi and summer season with KVK support.

| Cluster Village-Salka, Total Tribal Farmers:9 | | | | | | |
|--|--------------|--------------|---------------------|------|--------------|---------------|
| S.N. | Crop | Varieties | Area Allocated (ha) | Cuts | Yield (kg) | Income in Rs. |
| 1 | Sorghum | UGS 999 | 0.80 | 3 | 25000 | 45000 |
| 2 | Bajra | UGS 888 | 0.30 | 3 | 10500 | 18900 |
| 3 | Maize | African Tall | 0.20 | 1 | 5500 | 9900 |
| 4 | Oat | Cant | 0.30 | 3 | 8000 | 14400 |
| 5 | Sudan Grass | JS 263 | 0.40 | 3 | 15500 | 27900 |
| | TOTAL | | 2.00 | | 64500 | 116100 |
| Cluster Village-Nagar, Total Tribal Farmers:12 | | | | | | |
| S.N. | Crop | Varieties | Area Allocated (ha) | Cuts | Yield (kg) | Income in Rs. |
| 1 | Berseem | Berseem 22 | 0.40 | 3 | 17500 | 31500 |
| 2 | Bajra | UGS 888 | 0.30 | 3 | 11000 | 19800 |
| 3 | Maize | African Tall | 0.40 | 1 | 10500 | 18900 |
| 4 | Oat | Cant | 0.40 | 3 | 10000 | 18000 |
| 5 | Sudan Grass | JS 263 | 0.80 | 3 | 29500 | 53100 |
| | TOTAL | | 2.30 | | 78500 | 141300 |
| Demonstration on Fodder Crops, Total Tribal Farmers:16 | | | | | | |
| S.N | Crop | Varieties | Area Allocated (ha) | Cuts | Yield (kg) | Income in Rs. |
| 1 | Sudan Grass | JS 263 | 1.0 | 2 | 31500 | 51975 |
| 2 | Maize | African Tall | 1.0 | 1 | 23500 | 38775 |
| 3 | Sorghum | UGS 999 | 1.0 | 2 | 28500 | 47025 |
| | TOTAL | | 3.0 | | 83500 | 137775 |

Front Line Demonstrations conducted under CSS-MIDH, during *kharif and rabi seasons*:

35 demonstrations were conducted in 3.80 ha area in different tribal villages to disseminate the production technology of high yielding (120.56 q/ha) Roma variety having high curcumin content (4.8%), Suprabha Zinger variety, Chili Pusa sadabhar & VNR 145 . Field diagnostic visits, regular surveys, farmer meetings and training programmes ensured ridge and furrow planting, drip irrigation, application of balanced and optimum doses of nutrients and timely plant protection measures. These activities ensured higher yield over local practice of cultivation in the range of 22.5-31.4 per cent. An average net profit of Rs 279525, Rs 260917 and Rs 127451 were recorded under recommended practice. Benefit/ cost ratio ranged from 1.95, 1.67 to 2.17 under demonstration plots of Zinger, Turmeric & Chili respectively.

With frontline demonstration (FLD) of proven technology it could be shown that yield potential and net income from turmeric, zinger and chili cultivation could be enhanced to a great extent resulting in higher income to the farming community.

Production of Quality Material (At KVK Farm)

| S. No | Crop | Variety | Area (ha) | Yield (t) | Seed/Rhizome (ha) facilitated to Farmers |
|-------|----------|----------|-----------|-----------|--|
| 1 | Ginger | Suprabha | 4.05 | 48.73 | 27.07 |
| 2 | Turmeric | Roma | 2.50 | 43.02 | 17.20 |

Technology Dissemination through FLD (At Tribal Farmer's Field)

| S. No. | Crop | Variety | Area | No. of farmers | Yield (t/ha) | Gross return | Net return | Total production | B :C |
|--------|----------|-----------------------------|------|----------------|--------------|--------------|------------|------------------|------|
| 1 | Ginger | Suprabha | 0.5 | 05 | 10.93 | 546500 | 279525 | 5.46 | 1.95 |
| 2 | Turmeric | Roma | 2.0 | 20 | 25.64 | 437500 | 260917 | 51.28 | 1.67 |
| 3 | Chili | Pusa Sadhabahar/ VNR-145 | 1.3 | 10 | 2.50 | 277082 | 127451 | 3.25 | 2.17 |
| | | | 3.80 | 35 | | | | | |



| FLD | Crop | Yield (q/ha) | | Net Return (Rs) | |
|--|------------|--------------|--------|-----------------|----------|
| | | FP | RP | FP | RP |
| DSR and balance fertilizer in Samleshwari | Rice | 30.05 | 39.37 | 13100.8 | 20508.9 |
| Improved Var.– Rajeev Lochan | Pigeon Pea | 6.70 | 12.50 | 21496.0 | 49727.25 |
| Improved variety Utakal of Niger line sowing and balance fertilizer. | Niger | 1.95 | 3.99 | 3131.4 | 9497.3 |
| Improved high yielding Variety of Brinjal- US.- 172 | Brinjal- | 158 | 280 | 76220 | 129510 |
| Improved high yielding Variety of Okra- Arka Anamika | Okra | 46.58 | 68.23 | 59600 | 98630 |
| Performance of improved variety HD-2932 wheat for late sown condition | Wheat | 29.22 | 36.74 | 22386 | 29003 |
| Improved variety Vaibhav | Chick pea | 6.20 | 9.88 | 7801.4 | 15281 |
| Recommended Dose of Fertilizer in Potato | Potato | 148 | 225 | 56868 | 100670 |
| Stacking in indeterminate varieties of tomato | Tomato | 300.55 | 896.31 | 197475 | 654752 |
| Improved hybrid variety Indira Sona line sowing and balance fertilizer | Rice | 24.45 | 37.14 | 6767.8 | 22318.9 |

| FLD | Crop | Yield (q/ha) | | Net Return (Rs) | |
|---|-----------|--------------|--------|-----------------|-----------|
| | | FP | RP | FP | RP |
| Varietal Demonstration on Improved High Yielding Variety | Onion | 182.26 | 325.54 | 58142.39 | 126929.67 |
| Demonstration of Redomil M-Z for the control of early and late blight of potato | potato | 195.4 | 305.6 | 54899.8 | 107031.6 |
| Demonstration on Improved Var. of Pea (Arkel) | Pea | 32.4 | 52.8 | 35160 | 73060 |
| Demonstration on Clodinafop Propargyl 15% + Metsulfuron Methyl 1% WP @ 400 g ha ⁻¹ at post emergence application in Wheat at 25-30 DAS | Wheat | 23.46 | 29.64 | 14612 | 22273 |
| Improved variety HD-2932, line sowing and balance fertilizer | Wheat | 22.72 | 26.67 | 14124 | 19410 |
| Demonstration on Line sowing of Mustard by seed cum fertilizer drill | Mustard | 3.95 | 5.5 | 6238 | 11707 |
| Line sowing of Chickpea by seed cum fertilizer drill | Chickpea | 4.48 | 6.65 | 10508 | 18955 |
| Herbicide Application & STCR Based Fertilizer Recommendation for target yield under line sown wheat | wheat | 16 | 25 | 12075 | 19550 |
| Use of high yielding green fodder for milch animals | Fodder | 877 | 975 | 9845 | 13588 |
| Demonstration on improved variety of Turmeric-Roma | Turmeric | 156.72 | 222.32 | 240585 | 367656.77 |
| Demonstration on improved variety of Zinger-Suprabha | Zinger | 144.42 | 186.34 | 846202.76 | 641573.44 |
| Demonstration On Improved Variety Of Chilli-VNR No.-135 | Chili | 189.46 | 297.33 | 55962.75 | 105798.84 |
| Demonstration on improved variety of Capsicum-Indra+ Drip Irrigation+ Black Polythene Mulch | Capsicum | 165.74 | 245.61 | 50402.67 | 87218.59 |
| Demonstration of improved Rice Durgeswari | Paddy | 28.89 | 34.58 | 15067 | 22032.4 |
| Demonstration on Bispyribeck Sodium 200g ha ⁻¹ at post emergence application at 25-30 DAT | Paddy | 30.38 | 34.58 | 17290 | 23514.4 |
| Demonstration of improved variety Groundnut K-6 | Groundnut | 10.3 | 16.6 | 33300 | 50200 |

| FLD | Crop | Yield (q/ha) | | Net Return (Rs) | |
|--|-------------------|--------------|--------------|-----------------|---------|
| | | FP | RP | FP | RP |
| Demonstration of improved variety of wheat for late sown condition | Wheat | 28.89 | 33.59 | 15211 | 19410 |
| Demonstration Of Two Improved Dual Purpose Color Bird of Poultry (Vanraja. And RIR) In Semi Intensive Poultry Farming System | Poultry | 1.30 | 1.73 | 118.00 | 137.95 |
| Demonstration of green Grass as year round fodder production for milch animal. | Green Grass | 1200 | 1700 | 2900 | 3900 |
| Demonstration of high yielding green fodder for Milch animals | Fodder production | 1375.22 | 1503.42 | 144.4 | 157.81 |
| Improved variety line sowing and balance fertilizer | Rice | 29.39 | 35.11 | 15808 | 22836.4 |
| Improved variety line sowing and balance fertilizer | Wheat | 26.67 | 34.08 | 17879 | 26820 |
| Demonstration of improved variety, earthing up and application of balanced fertilizer in Turmeric | Turmeric | 48.9 | 88.6 | 91098 | 241746 |
| Demonstration on cultivation of ginger in ridge and furrow under drip | Ginger | 8.15 | 15.64 | 282813 | 638546 |
| Demonstration on line sowing, improved variety and use of Rhizobium culture in pea | Pea | 3.02 | 8.54 | 24261 | 125915 |
| Staking in tomato, Improved variety | Tomato | 24.1 | 31.2 | 134800 | 186600 |
| Improved variety, seed treatment and IPM in chili | Chili | 10.76 | 15.32 | 50080 | 82742.5 |
| Demonstration on line sowing, drip and fertigation technique in cumin | Cumin | 1.02 | 2.14 | 3462 | 41917 |
| Demonstration on line sowing, improved variety and application of drip in lemon grass | Lemon grass | - | 496 kg (oil) | - | 19200 |
| Demonstration on line sowing, improved variety and application of drip in lemon grass | Palmarosa | - | 60 kg oil | - | 22000 |
| Demonstration on line sowing, improved variety and application of drip in | Khus | - | 6.8 kg oil | - | 66400 |

functionaries to act in a mission mode to fill the gaps and make the region self-sufficient in pulses and oilseeds.

The KVK has organized **2044 FLDs** on Pulses & Oilseeds conducted in **1034 ha** under cluster and individual mode in **NFSM, AICRP-Pigeon Pea, TSP and NWRP on arid legumes**. These demonstrations aimed to determine the impact of frontline demonstrations (FLDs) on yield, adoption, varietal replacement and horizontal spread of promising technology *i.e.* Improved varieties, Bio-agent (*Trichoderma/pseudomonas* 10g per kg seed), Bio fertilizers (*Rhizobium/Azotobacter/Azospirillum/PSB* 5g per kg seed), Pre-emergent herbicide application of Pendimethalin 30 EC @ 1000 ml per acre, Post-emergent herbicide application of Imazathyper 10% SL @ 250 ml per acre, RDF as per SHC. ***In order to encourage the use of agricultural machinery, the seed drill, multi crop planter and zero seed drill were facilitated by KVK to FLD's farmers for sowing purposes in all conducted demonstrations.***

The package and practices demonstrated in the front line demonstrations were observed and visited by **Dr. I. P. Singh, Project Coordinator, IIPR, Kanpur**, **Dr. A.K. Shivhare Assistant Director, DPD Bhopal** as well as **Dr. M. K. Singh, Dr. G. P. Pali, Dr. A. K. Singh, Dr. V. K. Singh and Dr. G. P. Painkra, Scientist, IGKV, Raipur**. Monitoring team made farmers aware of advanced technologies and encouraged farmers to adopt technologies in more and more fields.

- Front line demonstration of pulses and oilseeds given in upland situation under crop diversification
- Horse gram (44 ha) and Niger (50 ha) were sown in mid-kharif in the fellow upland
- Lowland rice field used for increasing the double crop area under oilseed & pulses by utilizing residual soil moisture through zero seed drilling (Mustard-27.00 ha, Linseed-35 ha, Chickpea-30 ha and Field pea-30 ha)
- Pigeon pea, Chickpea and Field pea have been sown in 446.40 ha from multi crop planter.
- Seed Production Programme initiated in farmers field in 40 ha Pigeon pea, 10 ha Black gram and 20 ha Sesame.
- Rainfed Linseed cultivated in about 20 ha of land.
- Quality seed production at farmers field *i.e.* Linseed (15.84 q), Chick pea (14.10 q), Pigeon pea (7.00 q), Field pea (19.50 q), Mustard (7.06 q) respectively.

| Crop | Varieties | Area in ha | No. of demonstrations |
|------------|---------------------------|------------|-----------------------|
| Pigeon pea | Rajeev lochan, TJT-501, | 208 | 491 |
| Black gram | Aazad-3, MASH-479, | 70 | 135 |
| Horse gram | Indira Kulthi- 1 | 44 | 91 |
| Chickpea | JAKI-1918, JG-11, Vaibhav | 150 | 274 |
| Field Pea | PARAS, VIKASH, | 148 | 288 |
| Sesame | TKG-22, TKG-55, | 60 | 104 |
| Niger | Birsa, JLC-9, | 50 | 79 |

| | | | |
|--------------|-----------------------|-------------|-------------|
| Groundnut | Dharani, | 34 | 84 |
| Mustard | CG-Sarson, NRCBH-101, | 153 | 259 |
| Linseed | KARTIKA, | 117 | 239 |
| Total | | 1034 | 2044 |

Comparison of yield and economics between FLD and farmers practices in different crops

| Crop | Yield (q/ha) | | Net Return (Rs)/ha | |
|------------|--------------|---------|--------------------|---------|
| | FP (T1) | RP (T2) | FP (T1) | RP (T2) |
| Pigeon pea | 8.99 | 11.93 | 18373 | 35368 |
| Black gram | 4.93 | 6.47 | 9480 | 15840 |
| Chickpea | 5.50 | 8.00 | 11320 | 16463 |
| Field Pea | 5.23 | 8.63 | 21860 | 32097 |
| Horse Gram | 2.64 | 5.05 | 2450 | 5952 |
| Groundnut | 8.59 | 11.62 | 15818 | 22535 |
| Sesame | 2.55 | 4.42 | 3289 | 5740 |
| Mustard | 4.37 | 5.63 | 12213 | 18751 |
| Linseed | 4.16 | 5.84 | 13735 | 18577 |
| Niger | 2.47 | 3.53 | 6795 | 10294 |

Technological gap, Extension gap and Technological index of the respondents of FLD

| Crop | Technological Gap (Py-Dy) | Extension Gap (Dy-Fy) | Technological Index (P-D)/P*100 |
|------------|---------------------------|-----------------------|---------------------------------|
| Pigeon pea | 5.07 | 2.94 | 29.82 |
| Black gram | 6.53 | 1.54 | 50.23 |
| Chickpea | 7.00 | 2.50 | 46.67 |
| Field Pea | 8.37 | 3.39 | 49.25 |
| Horse Gram | 4.95 | 2.41 | 49.50 |
| Groundnut | 2.38 | 3.03 | 17.00 |
| Sesame | 2.58 | 1.87 | 36.86 |
| Mustard | 9.37 | 1.26 | 62.47 |
| Linseed | 4.16 | 1.68 | 41.57 |
| Niger | 4.47 | 1.06 | 55.88 |

Production of pulses & oilseed from conducted demonstrations:

| Crop | Production MT |
|--------------|---------------|
| Pigeon pea | 248.14 |
| Black gram | 45.29 |
| Horse gram | 35.20 |
| Chickpea | 129.45 |
| Field Pea | 74.74 |
| Sesame | 69.72 |
| Niger | 22.10 |
| Groundnut | 19.14 |
| Mustard | 89.35 |
| Linseed | 41.30 |
| Total | 774.44 |



Production of Pulses & Oilseed by Zero Seed Drilling

| Mustard | | | | |
|-----------|-----------------------------|-------------------|---------------------|-------------|
| Treatment | Yield (q ha ⁻¹) | % Change in yield | Net Income (Rs./ha) | B:C Ratio** |
| FP | 3.14 | - | 12730 | 1.68 |
| ZSD | 4.81 | 53.18 | 29990 | 1.91 |
| Linseed | | | | |
| Treatment | Yield (q ha ⁻¹) | % Change in yield | Net Income (Rs./ha) | B:C Ratio** |
| FP | 3.54 | - | 7460 | 1.84 |
| ZSD | 5.62 | 58.75 | 14730 | 2.32 |
| Field pea | | | | |
| Treatment | Yield (q ha ⁻¹) | % Change in yield | Net Income (Rs./ha) | B:C Ratio** |
| FP | 5.59 | - | 9460 | 1.64 |
| ZSD | 8.62 | 55.59 | 16730 | 2.12 |





Zero Seed Drilling



अधिक आमदनी की फसल चम

कृषि विज्ञान केंद्र के वैज्ञानिकों ने कृषकों को अधिक आमदनी के लिए फसल चम के लिए प्रेरित किया है।



कृषि विज्ञान केंद्र के वैज्ञानिकों ने कृषकों को अधिक आमदनी के लिए फसल चम के लिए प्रेरित किया है।

वैज्ञानिकों के दल ने कलशर प्रदर्शनी का किया अवलोकन



कृषि विज्ञान केंद्र के वैज्ञानिकों ने कृषकों को अधिक आमदनी के लिए फसल चम के लिए प्रेरित किया है।

उड़द की फसल का वैज्ञानिकों ने किया परीक्षण



कृषि विज्ञान केंद्र के वैज्ञानिकों ने कृषकों को अधिक आमदनी के लिए फसल चम के लिए प्रेरित किया है।

मृदा की उन्नत किस्मों का प्रदर्शन



कृषि विज्ञान केंद्र के वैज्ञानिकों ने कृषकों को अधिक आमदनी के लिए फसल चम के लिए प्रेरित किया है।

दरहान व निल्लहन फसलों के कलशर अभियम योजित प्र



कृषि विज्ञान केंद्र के वैज्ञानिकों ने कृषकों को अधिक आमदनी के लिए फसल चम के लिए प्रेरित किया है।

गुंगफली की विकसित किस्म का किया गया प्रदर्शन

कृषि विज्ञान केंद्र के वैज्ञानिकों ने कृषकों को अधिक आमदनी के लिए फसल चम के लिए प्रेरित किया है।



कृषि विज्ञान केंद्र के वैज्ञानिकों ने कृषकों को अधिक आमदनी के लिए फसल चम के लिए प्रेरित किया है।

किसानों को दी गई रामतिल की जानकारी

कृषि विज्ञान केंद्र के वैज्ञानिकों ने कृषकों को अधिक आमदनी के लिए फसल चम के लिए प्रेरित किया है।



वेतुगु सी रहे दरहान, तिल के बीजोवन के लिए किका

कृषि विज्ञान केंद्र के वैज्ञानिकों ने कृषकों को अधिक आमदनी के लिए फसल चम के लिए प्रेरित किया है।

