

**Name of the Research Station : Regional Agricultural Research Station, Palem**



1. Year of establishment : 1980

2. Mandate

1	Geographical position	:	Latitude: 16.35North Longitude: 78.01 East
2	Total area (ha)	:	52.0 ha
3	Cultivable area	:	32.2 ha

- To develop farming situation specific technologies in dry land agriculture
- To enhance productivity of rainfed crops through life saving irrigations from farm ponds
- To enhance productivity levels of castor, sorghum, pearl millet, redgram etc., through development of high yielding biotic and abiotic stress resistant cultivars
- To develop suitable agro-techniques and plant protection measures to increase productivity and reduce cost of cultivation
- Breeder seed production of castor, sorghum, pearl millet, redgram etc

### 3. Significant achievements

- Developed Varieties/Hybrids
- Castor- Kranthi, Haritha, Kiran, PCH-1, PCH-111, PCH-222 and PCS-262
- Sorghum- PSV-1, Palem-2, PSH-1, ASH-1, PSV-56and CSV-31
- Bajra- Muktha, Mallikarjuna, PHB-3
- Ragi- Maruthi
- Redgram-PRG-100, PRG-158, PRG-176and ICPH-2740
- Horsegram- Palem-1and Palem-2
- Sunflower- APSH-66
- Developed low cost drought proofing techniques for rained agriculture
- Best management practices for rainfed castor, jowar with main emphasis on fertilizer schedules, micronutrient application, integrated weed, pest and disease management and mechanization.
- Developed complete agronomic package for *rabi* castor under drip irrigation
- Quantified amount of water required for life saving irrigation by different irrigation methods in castor, cotton, redgram and maize.
- Developed agronomic package of practices for organicredgram cultivation
- Conducting demonstrations to disseminate improved varieties along with matching production and protection technologies among the farming community