

## **Rice fallow pulse**

### *Cultivation practices*

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- It is also called relay crop /zero tilled crop /residual crop
- Crops suitable blackgram & greengram
- Area
  - Deltaic rice belts of AP & TN
  - In AP single rice cropped areas
  - In TN – Cauvery delta and Tamirabarani
    - Nagapattinam has higher area per district
- Season
  - Dec-Jan or end of Samba /Early Thaladi or end of Rainy season
  - In TN optimum period for sowing
    - Greengram – Dec15- Dec31
    - Blackgram - Jan 1 – 15
  - In AP November
- Seed rate 20 kg for greengram & 25 kg for blackgram
- Method of sowing
  - Broadcast the seeds 7-10days before harvest rice
    - Field will be at waxy condition
    - No standing water
    - Seeds fallen should not roll
  - Harvest the rice when the pulse is in two leaf stage
  - Cut the rice and leave stubble just above the pulse plant
  - The crop manages the stress given via walking, or keeping rice stubble over it
- After cultivation
  - No irrigation is needed if sown in optimum season
  - No inter cultural operation is needed
- Insect pest control is the major management
- Foliar nutrition by DAP 2% solution just at the time of flower initiation and 15 days later is recommended
- Harvest
  - 55-60 days after rice harvest
  - When 70-80% pods turn brown
  - Entire plant uprooted and heaped in the field for 2 or 3 days
  - Then taken to threshing floor and dried and threshed either by cattle or by tractor if the produce is more than an acre
- Plant stand depends up on
  - Field management in the previous rice
  - Good leveling of rice crop ensures...

- Uniform germination of pulse crop
  - Good weed management
  - P applied to previous rice is more efficient for relay crop
- Average yield is decided
  - Optimum stand with equidistance
  - Residual moisture,
  - residual nutrients and
  - Appropriate season