Andhra Pradesh Micro Irrigation Project

ANDHRA PRADESH MICRO IRRIGATION PROJECT

Status of Fertigation

Area coverage in the state since 2003-04 (ha)

Total area coverage	:8.34 lakh ha
Drip	:6.24 lakh ha
Sprinklers	:2.10 lakh ha

Drip

Online Crops	: 2.87 lakh ha (46%)
Inline crops	: 3.37 lakh ha (54%)

Major crops in online drip : Mango, sweet orange, acid lime, coconut, pomegranate, Guava, cashew, oil palm etc.,

Major crops inline drip : Banana, Papaya, Chillies, Tomatoes, Turmeric, Sugar cane, Mulberry, Cotton, Vegetables, Maize etc.,

Usage of Fertigation : In online crops - almost no Fertigation
: In inline crops - 60-70% of the inline crops (2.19 lakh ha)

Major Water soluble fertilizers being used for Fertigation : Urea (46-0-0), Ammonium Sulphate (21-0-0)
NPK (19-19-19), Potassium Sulphate (0-0-50)
MKP (0-52-34), Potassium Nitrate (13-0-45)
MAP (12-61-0), Phosphoric Acid (0-52-0)

Ongoing Activities for promotion of Fertigation

1. Intensive training programmes are being organized at cluster level by involving Agronomists of Agriculture Research Institutes, MI companies and water soluble fertilizer manufacturers like NFCL, Coromondel etc.,

2. Training Programmes were conducted in 944 clusters covering 37,432 farmers on Fertigation and system maintenance during 2016-17.

3. Fertigatoin programme on PPP mode in convergence with SHM, RKVY and APMIP is being takenup with M/s Nagarajuna Fertilizer & Chemicals Ltd., and M/s Coromandel Fertilizers in 4 Rayalaseema districts in an extent of 2410 Ha for crops like tomato, banana & papaya.

Constraints in adoption of Fertigation by Micro Irrigation Farmers

1. Drip irrigation is still considered as a water conservation technology only.
2. Lack of awareness among farming community & other stake holders
3. No systematic R & D work on Fertigation of crops .
4. Lack of location & crop specific recommendations.
5. Relatively higher cost of water soluble specialty fertilizers.
6. Lack of fertilizer control guidelines/policies on fertilizers suitable for drip Fertigation.

Turmeric crop with Fertigation in YSR Kadapa Dist.

Cotton Crop with Fertigation in Prakasam Dist

Vegetable crops with Fertigation

Thank you