

# **Resource use Efficiency and its Determinants in Major Farming Systems of Srikakulam District of Andhra Pradesh**

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## **ABSTRACT**

The present study was conducted in Srikakulam district of Andhra Pradesh by taking a sample of 120 farmers. The district comprises of 6 farming situations based on the reports of DAATT Centre, Srikakulam. The Data Envelopment Analysis (DEA) technique was used to find the resource use efficiency in major farming systems of Srikakulam. The number of efficient farms were more in FS-II (crops + dairy) under Constant Returns to Scale (CRS), whereas the number of efficient farms were more in FS-III (crops+ poultry) under Variable Returns to Scale (VRS) assumption. About 40 per cent of farms operated in optimal region and 35 per cent were operated at sub-optimal region. The FYM had positively significant influence on resource use efficiency in FS-II (crops + dairy), FS-IV (crops + Sheep&goat) and FS-V (crops + dairy + poultry) of Srikakulam district respectively.

**Keywords:** *CRS, DEA, Farming system, Srikakulam and VRS.*