

Fertilizer use pattern and efficiency on different size groups of paddy farms in Guntur district of Andhra Pradesh

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ABSTRACT

The nitrogen usage was significantly more than the economic optimum i.e., over-use on all farms of both *kharif* and *rabi* except for small farms where it is under-use. The phosphorus use on all farms of both *kharif* and *rabi* was significantly more than the economic optimum and it was negative for large farms. It was under –use in case of small farms. On all farms of both *kharif* and *rabi*, the usage of potassium was in excess except for small farms of *kharif* where it was under-used. It was negative on large farms of *kharif*. The component pesticides on all the farms in *kharif* and *rabi* was being excessively used except for large farms of *kharif* where its usage was less than optimum. The usage of the component human labour on all farms of both *kharif* and *rabi* was excess and it was negative for large farms of *kharif*. The component irrigation on all the farms of both *kharif* and *rabi* was excessively used. But the average farms of *rabi* was an exception and it was used less than the economic level.

Key words : Fertilizer use pattern, Paddy farms