Geolife

Bio-efficacy evaluation of Vigore Premium – A new yield enhancer in transplanted rice CSK HPKV, Palampur

Experiment details :

Year of experiment : Kharif 2014

Crop & Variety: Paddy, HPR 2143

Experimental design: RBD

Treatments: 7

Replication: 3

Dosage: RDF 100 % + Vigore 625 g/ ha at 10 days

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Treatments	No. of effective tillers / hill	Panicle length (cm)	1000 grain weight (g)	Grain yield (Kg/ha)	Straw yield (Kg/ha)
T1- RDF + Vigore 625 g/ha at 10 days after planting	7.6	21.0	22.0	4000	5710
T2 – RDF + Vigore 625 g/ha at 10 days after planting+ Spray Vigore 1g/lit at panicle initiation.	7.9	21.5	22.6	4190	6100
T3 – RDF + Vigore 625 g/ha with basal dose at transplanting + Vigore 625 g/ha at 20 DAT + Vigore 1g/liter spray at panicle stage	8.0	21.0	22.0	4590	5910
T4 – RDF 75% + Vigore 625 g/acre at 10 days after transplanting.	8.2	22.0	22.9	4360	6344
T5 – RDF 75% + Vigore 625gm/ha at 10 days after planting + Vigore 1g/liter spray at panicle initiation.	11.0	2.9	23.4	4316	5960
T6 – RDF 75% + vigore 625 g/ha with basal dose at transplanting + 625 g/ha at 20 days after transplanting + Vigore 1g.liter spray at panicle initiation stage.	11.9	23.8	23.9	4586	6435
T7 – RDF 100%	7.0	19.7	20.8	3895	5700

Conclusion :

Data on number of effective tillers per hill clearly indicate that the plots with vigore application produces significantly higher effective tillers/ hill in rice as compared to application of recommended dose of fertilizer alone. An examination of the grain yield data reveals that the treatment T6 & T3 have produced significantly highest grain yield compared to other treatment. Vigore has increased the grain yield up to 17.8% in comparison to control plot.