On Farm Trial-5

Discipline : Horticulture

Title: Evaluation of marigold varieties for higher productivity

Problem : Low yield

Year of Start: June 2025 (1st Year)

Source of technology: ICAR-IARI, New Delhi

Treatment	Technology
FP	Local Variety/ Gainda
TO_1	Pusa Basanti
TO_2	Pusa Narangi
Result	The result showed that the HYV Pusa Narangi (TO_2) (148.5q) produce highest yield followed by Pusa Basanti (T01) (122.0q) and lowest in farmers practice Local Gainda (FP) (102.5q). Also, TO2 recorded highest BCR of 4.33 followed by TO1 (3.56) and FP (2.99). Hence, Pusa Narangi is suitable and high yielding variety viable for commercial cultivation in Vaishali district of Bihar.

Technological Option	Yield q/ha	Increase in yield	Cost of cultivation (Rs./ha)	Gross return (Rs./ha)	Net Return (Rs./ha)	B:C
FP	102.5	-	0.68	2.05	1.36	2.99
TO_1	122.0	19	0.68	2.44	1.75	3.56
TO_2	148.5	45	0.68	2.97	2.28	4.33

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