

OFT RESULT - 4

Title	Evaluation of weedicides for weed management in Paddy.
Season & Year	Kharif 2025
Problem	Low yield of paddy due to heavy weed infestation.
Thematic Area	Weed Control
Name & Character of Technology	Use of improved weedicides
Source of Technology (Year)	IARI, New Delhi 2022
Farmers Practice (T₁)	Bispyribac Sodium 10% @ 200-250 ml/ha
Refined practice, if Any (T₂)	Trifamone 20%+ Ethoxysulfuron 10% WG @ 90g/ha.
(T₃)	Bispyribac Sodium 38% + Chlorimuron Ethyl 2.5% + Metsulfuron Methyl 2.5%(w/w) WG @ 100g/ha
Name of Variety/breed	PR-113
No. of Trials (Replication)	05



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Technology Option	No.of trials	Weed Density (No. of weeds/m ²)		Number of different weeds species (Number/m ²)	Total weed dry weight (g/m ²)	Major weed flora	Number of effective tillers per hill (Number/m ²)
		30 DAT	45 DAT				
T1	5	12.0	10.0	8	7.1	<i>C. crusgali</i> , <i>C. rotundus</i>	16.0, 480
T2		10.9	7.6	10	5.1	--do--	19.2, 595
T3		7.7	7.0	5	4.5	--do--	19.7, 611

Technology Option	No.of trials	Grain Yield (qt./ha)	Straw Yield (qt./ha)	Cost of Input/ha (Rs)	Gross Return	Net Return (Rs./ha)	B:C Ratio
T1- (Farmers Practice) Bispyribac Sodium 10% @ 200-250 ml/ha	5	40.6	57.2	51564	143564	92000	2.78
T2- Trifamone 20%+ Ethoxysulfuron 10% WG @ 90g/ha.		48.0	66.0	52893	163302	110409	3.08
T3- Bispyribac Sodium 38% + Chlorimuron Ethyl 2.5% + Metsulfuron Methyl 2.5%(w/w) WG @ 100g/ha		50.2	69.0	54127	169587	115460	3.13

Interference & Feed back	T3 Bispyribac Sodium 38% + Chlorimuron Ethyl 2.5% + Metsulfuron Methyl 2.5%(w/w) WG @ 100g/ha provided lower number of weeds and thus higher net return.
Farmers Reaction	Due to more yield and low weed density farmers like this technology.
Any Other Information	Sale Price. Rs 2300/q