

Paddy Recommendation released in last 10 years

2019-20	2	 In sub montane zone of Maharashtra, to obtain the higher returns of transplanted summer paddy following package of practice is recommended. ➤ Line sowing of seeds of variety Phule Samruddhi in first fort night of December on raised bed in nursery. ➤ Transplanting of 25-30 days old, 2-3 seedlings per hill at 15-25 x 15-25 cm distance as controlled transplanting. ➤ Application of 170 Kg Urea -DAP briquette (60:30:0) + 50 Kg K₂O or 125 Kg N: 62.5 Kg P₂O₅: 62.5 Kg K₂O through straight fertilizer per hectare. Since, 1996-97 to 2015-16, the increase in Minimum Support Prices (MSPs) of Bajra, Paddy and Wheat were less than the increase in inputs prices by 23, 27 and 48 per cent, respectively. Therefore, it is recommended that there is need to maintain the parity between Minimum Support Prices (MSPs) and input prices in order to safeguard the interest of cereal producers of Maharashtra.
2018-19	3	The increase of 16 and 26 per cent in employment, 15 and 26 per cent in the output, 12 and 29 percent in income levels while reduction of 4 and 7 per cent in the per quintal cost of cultivation in medium over low and high over medium adoption group, respectively was the result of adoption of recommended package of practices for paddy cultivation. For the cost reduction and output maximization, it is recommended that the farmers shall adopt the recommended package of practices.
2017-18	5	The pre emergence application of 1500 ml Pretilachlor 30.7 % EC per hectare within 2 to 3 days after sowing and post emergence application of 70g azimsulfuron 50% DF @ 0.035 kg per hectare at 25 days after sowing in 500 liters of water is recommended for effective control of weeds and higher economical returns in drilled paddy cultivation of Sub Montane Zone of Maharashtra The post emergence application of 200 ml Bispyribac Sodium 10% SC per hectare in 500 liters of water at 15-20 days after transplanting with one hand weeding at 45 days after transplanting is recommended for effective control of weeds and
	6	 higher economical returns in transplanted paddy of Sub Montane Zone of Maharashtra A module for integrated management of sheath blight and stem rot of paddy is recommended as below. ➤ Seed treatment with carbendazim 50% WP @ 3 g followed by <i>Trichoderma harzianum</i> + <i>Pseudomonas fluorescens</i> mixture @ 5 g each kg⁻¹ seed. ➤ Soil application of <i>Trichoderma harzianum</i> + <i>Pseudomonas fluorescens</i> mixture @ 25 g each + Rice <i>palinj</i> (i.e. empty glumes) ash @ 100 kg / R in nursery. ➤ Recommended dose of fertilizers i.e. RDF (NPK: 100:50:50 kg/ha) with or without use of briquettes. ➤ Three sprays of <i>Pseudomonas fluorescens</i> (0.2%) at 25, 35 and 45 days after transplanting. ➤ Need based 1 to 2 sprays of propiconazole 25 % EC @ 10 ml / 10 L water at 15 days interval if incidence of sheath blight and/or stem rot disease is noticed.



7	The percentage increase in medium over low and high over medium adoption
	group, respectively in employment, production, income levels and reduction in per
	quintal cost was the result of adoption of recommended package of practices of
	MPKV, Rahuri for major cereals is as below
	(Figures in Day cont)

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Crop	Technology	Iı	Reduction in Cost of			
or or	Adoption Group	Employment	Production	Income	cultivation	
Dodde.	Medium over Low	16	15	12	4	
Paddy	High over Medium	26	26	29	7	
Wheat	Medium over Low	19	24	27	4	
wneat	High over Medium	27	38	29	19	
Rabi	Medium over Low	10	13	9	2	
Jowar	High over Medium	24	56	47	9	
Daina	Medium over Low	27	28	16	11	
Bajra	High over Medium	31	34	19	19	

For the cost reduction and output maximization, it is recommended that the farmers needs to adopt the recommended package of practices of Paddy, Wheat, Rabi Sorghum and Bajra crops.

8 University paddy recommended technology is cent per cent adopted in College Development Block through Method demonstration, Result demonstrations and Group discussion. These extension methods should be replicated in other paddy growing areas for increasing adoption of recommended technology.

2016-17

- In the changing climate situation, during late onset of monsoon in transplanted paddy cultivation of submontane and ghat zone of Maharashtra, for sustainable economical yield, following nursery and transplanting management is recommended.
 - 1) In the paddy nursery, raised beds of 1 m breadth, 15 cm height and as per the length required are prepared.
 - 2) The sowing of seeds should be carried out in the line as per the commencement of rains.

For transplanting, the age of the seedling should be up to 25 days old.

Sowing the seeds in the nursery	Transplanting the seedlings in the field
First week of June	Fourth week of June
Third week of June	Second week of July
First week of July	Fourth week of July

- Application of silicon 300 kg ha⁻¹ through 10 t paddy straw or 1 t rice husk ash or 4.3 t rice husk before transplanting along with GRD (10 tonnes FYM ha⁻¹, 56 kg N & 30 kg P₂O₅ through Urea-DAP briquettes & 50 kg k₂O ha⁻¹) is recommended for higher yields & monetary returns of lowland paddy in Western Ghat Zone of Maharashtra.
- It is recommended to transplant paddy from 2nd fortnight of June to 2nd fortnight of J with three sprays of carbendazim @ 10 g per 10 L water as indicated below for management of leaf and neck blasts, sheath rot, brown spot and seed discolourat diseases and thereby increasing the grain and straw yields as well as monetary return

Spray	Crop stage	Days after transplanting
First	Leaf blast appearance in tillering stage	30 to 35 days
Second	Sheath formation stage	55 to 60 days
Third	Panicle emergence stage	70 o 75 days



2015-16	12	The application	on of U	rea-D	AP an	d MOP bi	riquette	s, (56:30:3	80 N:P ₂	O ₅ :K ₂ O k	g ha ⁻¹ ;
		220 kg briquettes ha ⁻¹) after transplanting is recommended for higher yield and returns of lowland paddy in Western <i>Ghat</i> Zone of Maharashtra.									
	13	The application of borax @ 5 kg ha ⁻¹ at the time of transplanting with general									
		recommended									
		Urea-DAP by									
		deficient soil of lowland pa		estern	Gnai	Zone of f	vianara	snira for f	ngner y	yieid and	returns
	14	1		n 100	% E	Tc wate	r at al	ternate da	ay wit	h fertigat	tion of
		recommended	d dose	(120:	60: 6	0 kg N,P	$_{2}O_{5}$ and	d K ₂ O ha	1) in th	e form o	f water
		soluble fertili									
		for higher prospective for seeded paddy									direct
		Irrigation qu				_			114148111	ıa.	
		arrigueron qu		Mont				nt (lit/day/	emitter	s)	
			1	June		1		7			
			2	July			2	2.5			
			3	Augu	ıst		2	2.9			
			4	Sept				2.5			
			5	Octo	ber		2	2.7	_		
		Fertilizer Sc	hedule:	Per c	ent ni	utrients t	o be ap	plied in 1	2 week	dy splits	
						ogen (N)		horus (P)		sium (K)]
		Days	after so	wing	%	Kg/ha	%	Kg/ha	%	Kg/ha	
			(3 wee		40	48	40	24	35	21	
		l	2 (3 wee		30	36	30	18	25	15	_
		l	(3 wee		15	18	20	12	25	15	-
		Total	(3 wee	eks)	15 100	18 120	100	06 60	15 100	09 60	-
2014-15	15			herbio							FC @
2014-13	13	0.150 kg a.i./									
		20 g ready 1	nix of	metsu	lfuron	methyl	10% +	chlorimu	ron eth	nyl 10%	WP @
		0.004kg a.i./l									
		effective control of weeds and higher economical returns in drilled paddy of Sub montane Zone of Maharashtra									
	16										
		chlorimuron ethyl 10% WP @ 0.004 kg a.i./ha in 500 liters of water at 15-20 days									
		after transplanting with one hand weeding at 45 days after transplanting is									
		recommended for effective control of weeds and higher economical returns in transplanted paddy of Sub montane Zone of Maharashtra									
2013-14	17								lication	n of 75 p	er cent
		recommended	d dose	(75: 37	7.5: 37	7.5 NPK	kg per l	hectare =	130.5 k	kg Urea, 8	82.5 kg
		DAP and 62.25 kg MOP per hectare) through 2.7 gram briquette of Urea-DAP-MOP (1,01,944 briquettes per hectare) each at 16 cm distance in alternate row at 5-									
		MOP (1,01,94) 7 cm depth	_	_							
		cultivation in						ioiiiioai y	icia 0	1 dilliou	paddy



	18	Pre emergence application of 15 milliliter oxyflourfen 23.5% EC per 10 liters of water within two-three days after sowing for control of weeds in paddy nursery is recommended for Submontane Zone of Maharashtra.			
2011-12	19	In Western Ghat Zone of Maharashtra for obtaining maximum monetary benefits under receding soil moisture condition in relay cropping after paddy, sowing of Linseed with 75 % of recommended dose of fertilizer (19.00: 38.00: 00 kg N and P ha-1) is recommended.			
2009-10	20	Transplanting of paddy seedlings at two leaves stage (14 days old) is recommended for sub mountane zone of Maharashtra for higher yield and monetary returns.			