ICAR- AICRP on FIM (Farm Implements and Machinery)

1	Name of the Scheme	AICRP on Farm Implements and Machinery			
2	Name of PI	Dr. SUSHILENDRA			
3	Year of Start	19-06-1995			
4	Year of Completion	Continuing			
5	Location	Department of FMPE, College of Agricultural Engineering, Raichur			
6	Contact Details	Principal Investigator AICRP on FIM, Department of Farm Machinery and Power Engineering, College of Agricultural Engineering, University of Agricultural Sciences, RAICHUR – 584101, Karnataka, India Phone No.: 08532-221480 Email: headfim@uasraichur.edu.in			
7	Mandate	 To identify the mechanization gaps and future needs of improved farm equipment and machinery for different regions, crops and operations. To conduct research and development, feasibility testing, front line demonstration and promote custom hiring of farm equipment and machinery. 			
8	Objectives	 To conduct feasibility testing of prototypes of proven designs of farm implements and machinery on farmer's fields, selected from different regions for adoption under local conditions. To conduct frontline demonstration of new designs of farm implements 			

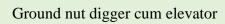
				al conditions. maintenance of				
		• To educate farmers on the significance of use of and maintenance of improved farm machines through various media including trainings and demonstrations.						
		• To establish linkages with manufacturers by involving them in popularizing and manufacturing of improved farm implements.						
9	Human Recourses Staff Sanctioned	Staff Sanctioned	No. of Posts	Name of incumben	Name of incumbent		Vacant Position	
		Scientist	1	Dr. Sushile	Or. Sushilendra		-	
		Technicians	2	Mr. Ravi Kumar H		1	1	
		Tractor driver cum mechanic	1	-		-	1	
		Junior Clerk	1	Mr. Md. N	asir	1		
		Total	5			3	2	
10	Technologies Released	Technology Developed			Year for inclusion in Package of Practices			
	(Published in PoP)	Tractor operated multi crop thresher			2008-09			
		Tractor operated combine harvester Harvesting and threshing mechanism in safflower Paddy transplanter Tractor operated laser leveler			2010-11			
					2010-11			
					2011-12			
					2013-14			
			Self-propelled power weeder			2013-14		
		Self-propelled paddy weeder Self-propelled reaper cum binder Tractor operated rotary weeder			2013-14			
					2013-14			
					2013-14			
		Tractor operat	ed air slee	ve boom	2014-15			

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		Tractor	operated raised bed planter	2014-15			
		Tractor	operated ground nut digger	2014-15			
		Tractor of cum elev	drawn ground nut digger vator	2015-16			
		Small tra	actor operated weeder for w crops	2016-17			
			actor operated weeder cum	2018-19			
		Tractor operated planter cum herbicide applicator		2019-20			
		Tractor drawn cotton planter		2019-20			
		Small tractor operated weeder for narrow row crops		2019-20			
11	Ongoing Technical	S. No.	Title of	f the experiment			
	Programme	Prototype Feasibility Testing					
		1 Tractor drawn planter cun		n herbicide applicator			
		2 Tractor operated mobil		shredder for cotton			
		3	Package of machinery for small and marginal farmers with self-propelled power unit				
	4 Tractor operated paddy		nopper and shredder				
		Front Line Demonstration					
1 Tractor operated			Tractor operated ginger ha	harvester cum elevator			
				combine (PAU)			
		2	Tractor operated Straw cor	mbine (PAU)			
		3	Tractor operated Straw con Tractor operated DSR seed				
			-	d drill for sowing of paddy			





Laser Leveller



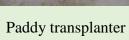




Paddy transplanter

Self propelled planter







Tractor operator rotary weeder



Self propelled weeder



Self propelled reaper binder



Planter cum herbicide applicator



Small tractor operated weeder for narrow row crops



Ginger harvester cum elevator



Self propelled reaper binder



ractor operated planter cum herbicide applicator



Small tractor operated weeder for wide row crops



Tractor operated cotton planter



Self propelled reaper binder



Tractor operated raised bed planter



Tractor operated air sleeve boom sprayer