

KVK, Thoubal

Department of Agriculture Govt. of Manipur

Front Line Demonstrations 2012-13

FLDs (Discipline-Wise Summary)

Discipline	Crop / Enterprise	Number of technology/ Social Concept Demonstrated	No. of demonstrations		% of achievement	Reasons for shortfall, if any
			Target	Achievement		
Animal Science	Duck-Paddy	1	5	5	100	
	Poultry	1	10	10	100	
	Japanese quail	1	5	5	100	
	Goat	1	5	5	100	
Home Sc.	Pineapple	1	5	5	100	
Total			163	143		

FLDs (Discipline-Wise Achievements)

Discipline: Agronomy

Crop / Enterprise	Technology demonstrated	Demonstration Yield(Qt/Ha)			Yield of local Check	Increase in yield		Avg. Cost of Cultivn. (Rs/Ha)	Avg. Gross Return (Rs/Ha)	Avg. Net Return (Rs/Ha)	B:C Ratio
		H	L	A		Qt/Ha)	%				
Rice	ICM in rice	67.20	57.40	63.97	48	33.33	45,000	76,764	31,764	1.70	
Rice	INM in rice	60.00	46.00	52.00	48	8.33	44,500	62,400	17,900	1.40	
Maize	Maize	25.15	23.50	24.45	17.50	39.71	25,000	36,675	11,675	1.46	
Blackgram	Blackgram	7.6	6.4	7.17	6.2	15.6	18,250	28680	10,430	1.57	
Pea	Pea	8.4	6.5	7.55	7.20	4.86	22,000	30,200	8200	1.37	
Mustard	Mustard	7.8	6.8	7.31	7.0	4.4	16,000	21,930	5,930	1.37	
INM in mustard	INM in mustard	7.9	6.4	7.42	7.0	6.0	15,750	22,260	7,510	1.40	

FLDs (Discipline-Wise Achievements)

Discipline: Agronomy

Crop / Enterprise	Technology demonstrated	Demonstration Yield(Qt/Ha)			Yield of local Check	Increase in yield		Avg. Cost of Cultivn. (Rs/Ha)	Avg. Gross Return (Rs/Ha)	Avg. Net Return (Rs/Ha)	B:C Ratio
		H	L	A		Qt/Ha)	%				
1) Rice	Hybrid Rice Cultivation -PAC-801	68	61a	66	34	48.5	41,000	66,000	25,000	1.61	
2)Rice	Hybrid Rice Cultivation - 6444	71	65	65	42	35.41	41,000	65,000	24,000	1.58	
3)Rice	Hybrid Rice Cultivation - 6444(G)	70	60	6.6	40	39.4	41,000	66,000	25,000	1.61	

FLDs (Discipline-Wise Achievements)

Discipline: Horticulture

Crop / Enterprise	Technology demonstrated	Demonstration Yield(Qt/Ha)			Yield of local Check	Increase in yield	Avg. Cost of Cultivn. (Rs/Ha)	Avg. Gross Return (Rs/Ha)	Avg. Net Return (Rs/Ha)	B:C Ratio
		H	L	A						
Onion	Cultivation of onion	275	220	245	180	36.11	82118	273000	190882	3.3
Potato	Cultivation of Potato	260	225	242	200	21	112056	363000	250944	3.2

FLDs (Discipline-Wise Achievements)

Discipline: Plant protection

Crop / Enterprise	Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check	Increase in yield	Avg. Cost of Cultivn. (Rs/Ha)	Avg. Gross Return (Rs/Ha)	Avg. Net Return (Rs/Ha)	B:C Ratio
		H	L	A						
Pumpkin	Pumpkin fruit fly mgmt. (flight -T & bacu lure)	184	137	167	129	29.46	56472	200400	143928	3.55:1
Brinjal	Brinjal-shoot stem& fruit borer mgmt.(Wota T & lucin lure)	231	197	224	181	23.76	73.780	488000	414220	6.35:1
Cabbage	DBMmgmt. (Del-Ta & <i>Beuveria besiana</i>)	319	267	298	271	9.96	58100	298000	239900	5.1 : 1

FLDs (Discipline – Wise Achievements) -PBG

Crop/ Enterprise	Technology demonstration	Demonstration Yield (Qt/Ha)			Yield of local Check Qt./Ha	Increase in yield %	Avg. cost of cultivation (Rs.)	Avg. Gross Return (Rs./Ha)	Avg. Net Return (Rs./Ha)	B:C Ratio
		H	L	A						
1) Rice	Hybrid Rice Cultivation -PAC-801	68	61a	66	34	48.5	41,000	66,000	25,000	1.61
2) Rice	Hybrid Rice Cultivation -6444	71	65	65	42	35.41	41,000	65,000	24,000	1.58
3) Rice	Hybrid Rice Cultivation -6444(G)	70	60	6.6	40	39.4	41,000	66,000	25,000	1.61

FLDs (Discipline-Wise Achievements) Discipline: Fishery

Crop / Enterprise	Technology demonstrated	Demonstration Yield (Kg/Ha)			Yield of local Check (Qt/Ha)	Increase in yield %	Avg. Cost of Cultiv. (Rs/Ha)	Avg. Gross Return (Rs/Ha)	Avg. Net Return (Rs/Ha)	B:C Ratio
		H	L	A						
Fish + Duck	Fish cum duck farming	3730 (Fish) 123.5 (Duck) 7350 (egg)	2750 (Fish) 112 (Duck) 6950 (egg)	3160 (Fish) 117 (Duck) 7050 (egg)	2500 (Fish) 108 (Duck) 6880 (egg)	26.4 (Fish) 8.3 (Duck) 2.4 (egg)	136816	355600	213983	2.5
Fish	Fish Health Management using probiotics	Continuing.....								

FLDs (Discipline-Wise Achievements)

Discipline: Animal Science

Crop / Enterprise	Technology demonstrated	Demonstration Yield (Kg/unit)			Yield of local Check	Increase in yield%	Avg. Cost (Rs./ha duck)	Avg. Gross Return (Rs/ha duck)	Avg. Net Return (Rs/ha duck)	B:C Ratio
		H	L	A						
Duck/paddy	Duck cum paddy culture	Weekly body weight(g) 0(46), 2(340), 4(550), 6(1100), 8(1400) Survivability % 2(98),4(94), 8(91) Paddy yield 5.2MT	Weekly body weight(g) 0(36), 2(260), 4(400), 6(950), 8(1200) Survivability % 2(88),4(86), 8(83) Paddy yield 4.8MT	Weekly body weight(g) 0(40.2), 2(303), 4(485.5), 6(986), 8(1300) Survivability % 2(94.9), 4(91.9), 8(89.4) Paddy yield 5.01MT	Weekly body weight(g) 0(38), 2(252), 4(410), 6(880), 8(1100) Survivability % 2(92), 4(86), 8(83) Paddy yield 4.9MT	Body weight 2(20), 4(18), 6(12), 8(18) Survivability 2(3), 4(6), 6(9), 8(7) Paddy yield 10%	49,000	110806	61806	2.26:1

FLDs (Discipline-Wise Achievements)

Discipline: Animal Science

Crop / Enterprise	Technology demonstrated	Demonstration Yield (kg/bird)			Yield of local Check (Kg/bird)	Increase in yield%	Avg. Cost of farming (Rs/bird)	Avg. Gross Return (Rs/bird)	Avg. Net Return (Rs/bird)	B:C Ratio
		H	L	A						
Poultry (gram priya)	Production performance of gram priya a dual purpose bird as backyard poultry farming	Body weight (g) at 8 wks (520) Survivability% at 8 wks (98) Egg wt (56g) Hatchability% 74 Dressing % (66.4)	Body weight (g) at 8 wks (460) Survivability% at 8 wks (90) Egg wt (52g) Hatchability% 66 Dressing % (64.2)	Body weight (g) at 8 wks (503.8) Survivability% at 8 wks (94.9) Egg wt (53.8g) Hatchability% 70.8 Dressing % (64.76)	Body weight (g) at 8 wks (380) Survivability% at 8 wks (82) Egg wt (48g) Hatchability% (62) Dressing % (61.82)	Body weight (g) at 8 wks (32) Survivability% at 8 wks (15) Egg wt (12) Hatchability% (14) Dressing % (4)	330.55	658.97	328.42	1.99:1

FLDs (Discipline-Wise Achievements)

Discipline: Animal Science

Crop / Enterprise	Technology demonstrated	Demonstration Yield			Yield of local Check	Increase in yield %	Avg. Cost of Farming (Rs/goat)	Avg. Gross Return (Rs/goat)	Avg. Net Return (Rs/goat)	B:C Ratio
		H	L	A						
Goat	Performance of male goat after castration	Monthly body weight (Kg) 1(2.8), 2(4.6), 3(5.2), 4(6.4), 5(7.6), 6(8.6) Dressing % (47)	Monthly body weight (Kg) 1(2.2), 2(3.8), 3(4.2), 4(5.8), 5(6.2), 6(7.6) Dressing % (43)	Monthly body weight (Kg) 1(2.5), 2(4.1), 3(4.7), 4(6.0), 5(6.9), 6(8.0) Dressing % (45.8)	Monthly body weight (Kg) 1(2.0), 2(3.2), 3(3.8), 4(4.8), 5(5.6), 6(6.4) Dressing % (42)	Monthly body weight (%) 1(25), 2(31), 3(23), 4(25), 5(23), 6(25) Dressing % (9)	1200	4000	2800	3.33:1

FLDs (Discipline-Wise Achievements)

Discipline: Animal Science

Crop / Enterprise	Technology demonstrated	Demonstration Yield			Yield of local Check	Increase in yield	Avg. Cost of Farming. (Rs/bird)	Avg. Gross Return (Rs/goat)	Avg. Net Return (Rs/goat)	B:C Ratio
		H	L	A						
Poultry (japanese quail)	Commercial japanese quail farming	weekly body weight (g) 2(40), 4(112), 6(150) Survivability% 2(99), 4(92), 6(88) Egg weight(g) (8.96) Hatchability% (81)	weekly body weight (g) 2(32), 4(92), 6(120) Survivability% 2(95), 4(78), 6(74) Egg weight (g) (8.6) Hatchability% (75)	weekly body weight (g) 2(36.8), 4(100.6), 6(137.8) Survivability% 2(96.9), 4(87.4), 6(81.8) Egg weight(g) (8.7) Hatchability% (78.5)	weekly body weight (g) 2(30), 4(92), 6(118) Survivability% 2(84), 4(78), 6(72) Egg weight(g) (8.2) Hatchability% (76)	weekly body weight 2(22), 4(9), 6(16) Survivability % 2(15), 4(12), 6(13) Egg weight (6) Hatchability% (3)	64.00	110	4	1.7.1

FLDs (Discipline-Wise Achievements)

Discipline: Home Science

Crop / Enterprise	Technology demonstrated	Demonstration Yield(Qt/Ha)			Yield of local Check	Increase in yield	Avg. Cost of Cultivn. (Rs/Ha)	Avg. Gross Return (Rs/Ha)	Avg. Net Return (Rs/Ha)	B:C Ratio
		H	L	A						
PINEAPPLE	Value addition	100	80	90.8	80	13.5	1000	3000	2000	1;2

