

		Traditional farm system									
	Year	1	2	3	4	5	6	7	8	9	10
Crop	Area/HA										
1	corn	2	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000
2	Subs.crops cassava/ camote	0.5	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000
3	Misc. use	0.5	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000
	Total income incl. Labour'	3	68,000	68,000	68,000	68,000	68,000	68,000	68,000	68,000	68,000
			10,200,000	10,200,000	10,200,000	10,200,000	10,200,000	10,200,000	10,200,000	10,200,000	10,200,000
<b>Figures are net returns but including labour costs which are assumed farmers input</b>											
<b>Prices are 2001 prices</b>											
<b>Improved farm system due to investment by UDP (60% of BH calculation)</b>											
	Year	1	2	3	4	5	6	7	8	9	10
crop	Area/HA										
1	Corn	1.5	18,000	11,256	11,256	11,256	11,256	11,256	11,256	11,256	11,256
2	Vegetables monggo/eggplant	0.25	25,000	64,062	64,062	64,062	64,062	64,062	64,062	64,062	64,062
3	Mango	0.5	25,000	(572)	(629)	(692)	4,043	27,998	57,947	87,892	147,831
4	S&W C/grass strips	0.75									
	Total incl. labour costs	3	68,000.00	74,746.00	74,688.80	74,625.88	79,361.20	103,315.52	133,265.27	163,210.00	223,149.20
			10,200,000	11,211,900	11,203,320	11,193,882	11,904,180	15,497,328	19,989,791	24,481,500	33,472,380
<b>Higher yield of corn due to improved seeds, inputs and technology</b>											
<b>Year 1 no income increase yet, only investment</b>											
<b>Year 2 onwards, a vegetable crop is chosen that can easily grow in upland areas</b>											
<b>Mango is chosen as one of the fruit trees that can grow easily in upland areas. However durian can also be chosen as well as banana or coffee</b>											
<b>Labour costs assumed owners input</b>											
<b>Instead of hedge rows, grass strips are adopted meaning no installation cost</b>											
<b>Prices are 2001 prices</b>											
<b>Return on UDP Investment (incomes from Improved farm minus incomes from existing farm)</b>											
	Year	1	2	3	4	5	6	7	8	9	10
<b>Per farm</b>		-	6,746	6,689	6,626	11,361	35,316	65,265	95,210	155,149	185,082
<b>For 150 farms (watershed area of 450 Has)</b>		-	1,011,900	1,003,320	993,882	1,704,180	5,297,328	9,789,791	14,281,500	23,272,380	27,762,348

