



## Economic Analysis of Glyricidia in Coconut plantations

Year	1	2	3	4	5	6	7	8	9	10	
<b>Sensitivity analysis</b>											
<b>Decrease Revenue 10%</b>											
Total Revenue (-10%)	-	10,800.00	17,280.00	21,600.00	32,400.00	32,400.00	38,880.00	38,880.00	38,880.00	38,880.00	
Total costs	55,500.00	16,000.00	17,000.00	18,000.00	19,000.00	18,000.00	18,000.00	18,000.00	18,000.00	18,000.00	
<b>Revenue - Cost</b>	- 55,500.00	- 5,200.00	280.00	3,600.00	13,400.00	14,400.00	20,880.00	20,880.00	20,880.00	20,880.00	
<b>IRR</b>	<b>10.5%</b>										<b>Total</b>
Discounted Revenue	-	8,925.62	12,982.72	14,753.09	20,117.85	18,288.96	19,951.59	18,137.81	16,488.92	14,989.92	<b>144,636.47</b>
Discounted Costs	50,454.55	13,223.14	12,772.35	12,294.24	11,797.51	10,160.53	9,236.85	8,397.13	7,633.76	6,939.78	<b>142,909.83</b>
<b>NPV</b>	<b>1,726.64</b>										
<b>B/C Ratio</b>	<b>1.0</b>										
<b>Increase Costs 10%</b>											
Total Revenue	-	12,000.00	19,200.00	24,000.00	36,000.00	36,000.00	43,200.00	43,200.00	43,200.00	43,200.00	
Total costs	61,050.00	17,600.00	18,700.00	19,800.00	20,900.00	19,800.00	19,800.00	19,800.00	19,800.00	19,800.00	
<b>Revenue - Cost</b>	- 61,050.00	- 5,600.00	500.00	4,200.00	15,100.00	16,200.00	23,400.00	23,400.00	23,400.00	23,400.00	
<b>IRR</b>	<b>11.0%</b>										<b>Total</b>
Discounted Revenue	-	8,925.62	12,982.72	14,753.09	20,117.85	18,288.96	19,951.59	18,137.81	16,488.92	14,989.92	<b>144,636.47</b>
Discounted Costs	55,500.00	14,545.45	14,049.59	13,523.67	12,977.26	11,176.58	10,160.53	9,236.85	8,397.13	7,633.76	<b>157,200.81</b>
<b>NPV</b>	<b>- 12,564.34</b>										
<b>B/C Ratio</b>	<b>0.92</b>										
Discounted Sticks Value	0	9917.355372	14425.24418	16392.32293	22353.16763	20321.06148	22168.43071	20153.11883	18321.01711	16655.4701	<b>160707.1883</b>