

# Appendix

## Appendix 1 - Production Value (USD)

Item	Maize	Peanut	Curcas	Livestock	Total
<i>Without Project</i>					
<b>Annual Production</b>	3663	2208	80	1913	7864
<i>With Project</i>					
<b>Year 1</b>	3968	7200	0	0	11168
<b>Year 2</b>	4167	7560	756	0	12483
<b>Year 3</b>	4375	7938	794	0	13107
<b>Year 4</b>	4594	8335	833	0	13762
<b>Year 5</b>	4823	8752	1663	0	15238
<b>Year 6</b>	5065	9189	1746	0	16000
<b>Year 7</b>	5318	9649	1833	0	16800
<b>Year 8</b>	5584	10131	1925	0	17640
<b>Year 9</b>	5863	10638	2021	0	18522
<b>Year 10</b>	6156	11170	2122	0	19448
<b>Year 11</b>	6464	11728	2228	0	20420
<b>Year 12</b>	6787	12314	2340	0	21441
<b>Year 13</b>	7126	12930	2457	0	22513
<b>Year 14</b>	7483	13577	2580	0	23639
<b>Year 15</b>	7857	14256	2709	0	24821
<b>Year 16</b>	8250	14968	2844	0	26062
<b>Year 17</b>	8662	15717	2986	0	27365
<b>Year 18</b>	9095	16503	3135	0	28733
<b>Year 19</b>	9550	17328	3292	0	30170
<b>Year 20</b>	10028	18194	3457	0	31678
<b>Year 21</b>	10529	19104	3630	0	33262
<b>Year 22</b>	11055	20059	3811	0	34926

<b>Year 23</b>	11608	21062	4002	0	36672
<b>Year 24</b>	12189	22115	4202	0	38505
<b>Year 25</b>	12798	23221	4412	0	40431
<b>Year 26</b>	13438	24382	4633	0	42452
<b>Year 27</b>	14110	25601	4864	0	44575
<b>Year 28</b>	14815	26881	5107	0	46804
<b>Year 29</b>	15556	28225	5363	0	49144
<b>Year 30</b>	16334	29636	5631	0	51601

**Appendix 2 - Total Operating Expenditure (USD)**

<b>Categories</b>	<b>Maize</b>	<b>Peanut</b>	<b>Ratanjot</b>	<b>Total crops</b>	<b>Operation &amp; Maintenance</b>	<b>Operating Expenditure</b>
<b>Year 1</b>	805	1788	1566	4158	13	4171
<b>Year 2</b>	432	1398	999	2829	19	2848
<b>Year 3</b>	445	1440	1029	2914	20	2934
<b>Year 4</b>	459	1483	1060	3001	22	3023
<b>Year 5</b>	548	1683	789	3020	24	3044
<b>Year 6</b>	578	1745	833	3156	25	3182
<b>Year 7</b>	610	1809	880	3298	27	3326
<b>Year 8</b>	643	1875	929	3447	29	3477
<b>Year 9</b>	678	1944	982	3603	32	3635
<b>Year 10</b>	715	2015	1037	3766	34	3800
<b>Year 11</b>	754	2088	1095	3937	36	3974
<b>Year 12</b>	795	2165	1156	4117	39	4156
<b>Year 13</b>	839	2244	1221	4304	42	4346
<b>Year 14</b>	885	2326	1290	4501	45	4546
<b>Year 15</b>	933	2411	1362	4706	49	4755
<b>Year 16</b>	984	2500	1438	4922	53	4975
<b>Year 17</b>	1038	2591	1519	5148	56	5204
<b>Year 18</b>	1095	2686	1604	5385	61	5446
<b>Year 19</b>	1154	2784	1694	5633	65	5698

<b>Year 20</b>	1218	2886	1789	5893	70	5963
<b>Year 21</b>	1284	2992	1890	6165	76	6241
<b>Year 22</b>	1354	3101	1996	6451	81	6533
<b>Year 23</b>	1428	3215	2108	6751	87	6838
<b>Year 24</b>	1506	3332	2226	7065	94	7159
<b>Year 25</b>	1589	3454	2351	7394	101	7495
<b>Year 26</b>	1675	3581	2483	7739	109	7848
<b>Year 27</b>	1767	3712	2622	8101	117	8218
<b>Year 28</b>	1864	3848	2769	8480	126	8606
<b>Year 29</b>	1965	3989	2924	8878	136	9014
<b>Year 30</b>	2073	4135	3088	9296	146	9442

### **Appendix 3 - Farm Budget - Case 1 (USD)**

Year	Total Inflows	Investment	Incremental Working Capital	Operating Expenditure	Total Outflows	Total Net Benefits	Net Benefit Without Project	Incremental Net Benefits
Year 1	14995	156	0	4171	4327	10668	6103	4565
Year 2	12483	0	78	2848	2925	9557	6365	3192
Year 3	13107	0	80	2934	3014	10093	6639	3454
Year 4	13762	441	19	3023	3482	10280	6925	3355
Year 5	15238	0	124	3044	3168	12070	7222	4848
Year 6	16000	0	130	3182	3311	12689	7533	5156
Year 7	16800	0	136	3326	3461	13338	7857	5482
Year 8	17640	0	142	3477	3619	14021	8195	5826
Year 9	18522	0	149	3635	3784	14738	8547	6191
Year 10	19448	0	156	3800	3957	15491	8914	6577
Year 11	20420	0	164	3974	4138	16283	9298	6985
Year 12	21441	0	171	4156	4327	17114	9698	7416
Year 13	22513	0	180	4346	4526	17987	10115	7873
Year 14	23639	0	188	4546	4734	18905	10550	8355
Year 15	24821	0	197	4755	4953	19868	11003	8865
Year 16	26062	0	207	4975	5181	20880	11476	9404
Year 17	27365	0	217	5204	5421	21944	11970	9974
Year 18	28733	0	227	5446	5673	23060	12484	10576
Year 19	30170	0	238	5698	5937	24233	13021	11212
Year 20	31678	0	250	5963	6213	25465	13581	11884
Year 21	33262	0	262	6241	6503	26759	14165	12594
Year 22	34926	0	275	6533	6808	28118	14774	13344
Year 23	36672	0	289	6838	7127	29545	15410	14136
Year 24	38505	0	303	7159	7461	31044	16072	14972
Year 25	40431	0	318	7495	7813	32618	16763	15855
Year 26	42452	0	333	7848	8181	34271	17484	16787
Year 27	44575	0	350	8218	8567	36007	18236	17771
Year 28	46804	0	367	8606	8973	37830	19020	18810
Year 29	49144	0	385	9014	9399	39745	19838	19907
Year 30	57535	0	0	9442	9442	48094	20691	27403

### **Appendix 4 - Farm Budget - Case 2 (USD)**

<b>Year</b>	<b>Total Inflows</b>	<b>Total Outflows</b>	<b>Total Net Benefits Without Financing</b>	<b>Net Benefit Without Project</b>	<b>Incremental Net Benefits Before Financing</b>	<b>Net Financing</b>	<b>Total Net Benefits After Financing</b>	<b>Incremental Net Benefits After Financing</b>
Year 1	11168	4327	6841	6103	738	1950	8791	2688
Year 2	12483	2925	9557	6365	3192	-1190	8368	2002
Year 3	13107	3014	10093	6639	3454	-1082	9011	2371
Year 4	13762	3482	10280	6925	3355	0	10280	3355
Year 5	15238	3168	12070	7222	4848	0	12070	4848
Year 6	16000	3311	12689	7533	5156	0	12689	5156
Year 7	16800	3461	13338	7857	5482	0	13338	5482
Year 8	17640	3619	14021	8195	5826	0	14021	5826
Year 9	18522	3784	14738	8547	6191	0	14738	6191
Year 10	19448	3957	15491	8914	6577	0	15491	6577
Year 11	20420	4138	16283	9298	6985	0	16283	6985
Year 12	21441	4327	17114	9698	7416	0	17114	7416
Year 13	22513	4526	17987	10115	7873	0	17987	7873
Year 14	23639	4734	18905	10550	8355	0	18905	8355
Year 15	24821	4953	19868	11003	8865	0	19868	8865
Year 16	26062	5181	20880	11476	9404	0	20880	9404
Year 17	27365	5421	21944	11970	9974	0	21944	9974
Year 18	28733	5673	23060	12484	10576	0	23060	10576
Year 19	30170	5937	24233	13021	11212	0	24233	11212
Year 20	31678	6213	25465	13581	11884	0	25465	11884
Year 21	33262	6503	26759	14165	12594	0	26759	12594
Year 22	34926	6808	28118	14774	13344	0	28118	13344
Year 23	36672	7127	29545	15410	14136	0	29545	14136
Year 24	38505	7461	31044	16072	14972	0	31044	14972
Year 25	40431	7813	32618	16763	15855	0	32618	15855
Year 26	42452	8181	34271	17484	16787	0	34271	16787
Year 27	44575	8567	36007	18236	17771	0	36007	17771
Year 28	46804	8973	37830	19020	18810	0	37830	18810
Year 29	49144	9399	39745	19838	19907	0	39745	19907
Year 30	57535	9442	48094	20691	27403	0	48094	27403

### **Appendix 5 - Annual Present Values**

<b>Year</b>	<b>Present Value of Incremental Net Benefit After Financing</b>	<b>Present Value of Net Benefit After Financing</b>
Year 1	2422	7920
Year 2	1625	6792
Year 3	1734	6588
Year 4	2210	6772
Year 5	2877	7163
Year 6	2756	6784
Year 7	2640	6425
Year 8	2528	6084

<b>Year 9</b>	2420	5761
<b>Year 10</b>	2316	5456
<b>Year 11</b>	2216	5166
<b>Year 12</b>	2120	4892
<b>Year 13</b>	2027	4632
<b>Year 14</b>	1938	4386
<b>Year 15</b>	1853	4153
<b>Year 16</b>	1771	3932
<b>Year 17</b>	1692	3722
<b>Year 18</b>	1616	3524
<b>Year 19</b>	1544	3336
<b>Year 20</b>	1474	3159
<b>Year 21</b>	1407	2990
<b>Year 22</b>	1343	2831
<b>Year 23</b>	1282	2680
<b>Year 24</b>	1223	2536
<b>Year 25</b>	1167	2401
<b>Year 26</b>	1113	2273
<b>Year 27</b>	1062	2151
<b>Year 28</b>	1012	2036
<b>Year 29</b>	965	1927
<b>Year 30</b>	1197	2101
<b>Total</b>	53553	130571