NAME: NKEMJIKA DELIGHT PERFECTA

COURSE CODE: AFE 202

COURSE TITTLE: FOOD PRODUCTION AND HEALTH AWARENESS

MATRIC NUMBER: 18/SMS13/011

LECTURER: MR. SALAMI ABDULRASHEED & MR. OLUWASUSI JOHN TOYIN

**ASSIGNMENT:**

**Prepare a business plan on chosen agricultural enterprise**

**PROJECT TIMELINE:**

The project will be completed within 6 months April 2020 to October 2020 because this crop grows during raining seasons.

**Estimated Project Costs and Revenue**

**Fixed Cost**

1. **Land Clearing**

|  |  |  |  |
| --- | --- | --- | --- |
| **ACTIVITY** | **QTY** | **NAIRA** | **KOBO** |
| Land Clearing | 2 Hectres | 460,000 | 00 |
| Cross Cutting | 2 Hectres | 20,000 | 00 |
| Rome Ploughing | 2 Hectres | 50,000 | 00 |
| **Sub total** | 2 Hectres | 530,000 | 00 |
| **Total** | 300 Hectres | **159,000,000,000** | **00** |

1. **EQUIPMENT**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAME** | **QTY** | **MODEL** | **NAIRA** | **KOBO** |
| Tractor | 1 | YTO-904(90hp) | 8,800,000 | 00 |
| Disc Harrow | 1 | IBJ-3.0 | 1,260,000 | 00 |
| Sub Soiler | 1 | IS-200G | 1,000,000 | 00 |
| Soil Seeder | 1 | 2BFY-6C | 1,700,000 | 00 |
| Tripper | 1 | 7CX-8T | 3,400,000 | 00 |
| CombineHarvester | 1 | 4YZ-6 | 37,200,000 | 00 |
| Boom Sprayer | 1 | 3W-100L-18 | 2,500,000 | 00 |
| Front Loader | 1 | TZ10D | 2,400,000 | 00 |
| **Sub Total** |  |  | **58,260,000** | **00** |

1. **Vehicle**

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Model** | **QTY** | **NAIRA: KOBO** |
| **Pick up Truck** | **HILUX** | **3** | **45,000,000:00** |

1. **IRRIGATION**

|  |  |  |  |
| --- | --- | --- | --- |
| **TYPE** | **QTY** | **MODEL** | **NAIRA: KOBO** |
| **Hose Reel** | **1** | **140-440Mf** | **1,200,000:00** |

**PURCHASE OF WATERMELON SEEDS**

**#100,000/bag**

|  |  |  |
| --- | --- | --- |
| **NO. OF BAGS** | **COST OF TOTAL BAGS** | **BAG ALLOTED/Ha** |
| **3000** | **30,000,000** | **10** |

**OPERATION COST**

|  |  |  |
| --- | --- | --- |
| **Working Capital** | **Naira** | **Kobo** |
| Ploughing/Ha | 15,000 | 00 |
| Harrowing/Ha | 10,000 | 00 |
| Boom Spraying | 10,000 | 00 |
| Seeding | 15,000 | 00 |
| Weeding(**man labor)**  | 50,000 | 00 |
| Sub Total | 100,000 | 00 |
| **For 300 Ha** | **15,50,000** | **00** |
| Mechanization and Storage | 105,000 | 00 |
| **For 300 Ha**  | 31,500,000 | **00** |
| Input/Ha | 91,825 | 00 |
| **For 300 Ha** | **27,547,500** | **00** |
| Area yield insurance | 13,500 | 00 |
| Produce aggregation | 5,500 | 00 |
| Geo-Spatial Service | 4,500 | 00 |
| Sub Total | 23,500 | 00 |
| **For 300 Ha** | **7,050,000** | **00** |
| Interest per hectre | 22,079 | 25 |
| **For 300 Ha** | **6,623,700** | **00** |
| Total cost per Hectre | 245,325 | 00 |
| **Total cost for 300 Ha** | **73,597,500** | **00** |
| Loan principle and interest(cost per hectre) | 267,404 | 25 |
| **Total for 300 Ha** | **80,221,275** | 00 |
| **Irrigation cost for 300 Ha(excluding fixed)** | **24,018,120** | 00 |

**Amortization**

|  |  |
| --- | --- |
| **Land Clearing Amortization (per hectre)** | **#:30,000 k: 00** |
| **Land Clearing amortization (300 hectres)** |  **9,000,000** |

**REVENUE**

|  |  |
| --- | --- |
| **Yield per hectre 3tonnes@ 145000 per tonne** |  |
|  | **NAIRA KOBO** |
| **Revenue per Hectre** | **435,000 : 00** |
| **For 300Ha** | **130,500,000 : 00** |
| **Net revenue for 300Ha(without amortization)** | **67,038,300 : 00** |
| **Net revenue with amortization(300Ha clearing)** | **55,038,300 : 00**  |
| **2nd Production Cycle** |  |
| **Net revenue** | **43,020,180 : 00** |
| **Net revenue with amortization(300Ha land)** |  |
| **Annual revenue(1st + 2nd cycle)** | **98,058,480 : 00** |