Crop project

COST ANALYSIS

**Name of project:**  Cultivation of lettuce

**Location**: Sophia Practical Instruction Centre

**Duration**: 7 weeks

Cultivation of lettuce

Description of activities

* Land preparation
* Land clearing
* Primary tillage- forking/ ploughing
* Secondary tillage –chipping / harrowing
* Drain formation
* Incorporating pen manure
* Preparation of seed box
* Transplanting
* Shading
* After care treatment
* Irrigation
* Weed control
* Pest control
* Fertilizers application
* Aeration
* Harvesting

**Materials and Equipment:**

Wheel barrow, cutlass, fork, shovel, pitch fork, water can, bucket, spade, pen manure, lettuce seedlings

**Schedule of Operation:**

|  |  |
| --- | --- |
| Weeks/Period | Activity |
| Week 1 | Land Preparation: Land clearing, primary and secondary tillage, drain formation, incorporating manure. |
| Week2 | Preparation of seed beds, transplanting. |
| Week3 | Irrigation, Shading. |
| Week4 | Irrigation and weed control. |
| Week5 | Irrigation, weed control and pest control |
| Week6 | Irrigation |
| Week7 | Harvesting and Marketing |

Sophia practical instruction Centre

Projected income

No. of plants $300

Price $80

Total income == $24 400

Projected expenditure

I pk seed 225

10 bags of pen manure @ 200 per bag 2000 250g ½ sevin powder @ 750

5kg urea @ 75 per kg 750

Labour costs

Land clearing 400

Primary tillage 200

Secondary tillage 500

Drain formation

After care treatment

100 plastic bags @ 3 per bag 300

Miscellaneous 1000

**TOTAL 5700**

Projected surplus

Projected income – projected expenditure

$24 400 – 5700

Total = $ 18 300

ACTUAL INCOME

No of plants 300

Price $60

$18000

Actual expenditure

300 seedlings @ $10 $3000

250 g sevin powder $450

150 plastic bags @$5 $750

Transportation $3000

Total 7200

Actual surplus

Actual income 18000

Actual expenditure -7200

Total 10 800

Analysis

The projected income was $24,000. The actual income was $18,000, a difference of $6000, this was because the price for lettuce on the more was lower than was expected.

The projected expenditure was 5700, whereas the actual expenditure was 7200, with a difference of 1500. This is so because the researcher had to pay more items and these cost were not included on the actual expenditure.

Projected expenditure was higher the actual expenditure by $1500.this is because the researcher had to pay for more items and these costs weren’t included in the actual expenditure, also expenses in the actual expenditure were much higher than those of the projected expenditure.

General comments

This project was completed at the Sophia Instructional Centre. The researcher established 300 lettuce over a period of 7 weeks. A budget was constructed to proceed with the project. The project commenced when the researcher started some activities such as forking, chipping, irrigating and shading the crop. This will enable the transplanted plants to be placed effortlessly into the soil. The crops were too exposed to sunlight also gutter water should not be used because of its contaminated state and its harmful effects it has on the crop. The crops were well taken care of with adequate requirements for best growth.

Recommendation

* Crops should be sheltered at the first week of transplanting
* Crops should be given running tap water
* Crops should be transplanted in greater proportions
* Tools should be sanitized and sharpened
* Crops should be well irrigated.