

Study on Cultivation Register

Mirza Hasanuzzaman, PhD
Professor
Department of Agronomy
Sher-e-Bangla Agricultural University
Email: mhzsauag@yahoo.com

Concept

Cultivation register is a register which keeps the date wise operation done in a farm. It contains a plot and block number with area, number of laborers engaged to do each operation along with the amount required to be paid for each operation. It further contains date wise inputs apply mentioning their costs. After harvesting and processing, the yields and their values are also recorded in this register.

Purpose

- Cultivation register keeps the records of operations done during cultivation of a crop.
- It also keeps the records of the inputs apply with cost.
- It helps to calculate the cost of production of a crop in a unit area.
- As it contains the return obtained, it helps to find out loss or profit in the production of a crop.



Exercise 01:

Prepare a proforma of the cultivation register and fill it up with the cultivation of sunflower in an area of 1 hectare in plot no. 5, Block A in SAU farm.

Area: 1 ha, field reference: Plot no.- 5, Block- A, Crop: Sunflower. Nature of the experiment: General cultivation, Laborer rate: 500Tk./ day, Bullock: 500 Tk./day, Manures and fertilizers used: Cowdung = 5 tons, Urea = 300 kg, TSP = 200 kg, MP = 200 kg.

Cultivation Register

Area: 1 ha
 Crop: Sunflower
 Plot#5
 Field reference: Block- A

Laborer : 500 Tk/ day
 Bullock : 500 Tk/ pair
 Manures and fertilizers:
 Cowdung : 5 tons
 Urea : 300 kg
 TSP : 200 kg
 MP : 200 kg

Name of operation: Cultivation of sunflowers for general purpose

Date	Work done	Area	Particulars of cost				Seed (Tk.)	Manures and fertilizers (Tk.)	Miscellaneous (Tk.)	Total cost (Tk.)	Yield				Stock Book Page no.	Remarks
			Labor		Bullock pair						Nature of output	Weight (kg)	Initial of overseer	Value (Tk.)		
			No.	Tk.	No.	Tk.										
13.10.2023	1 st plowing	1 ha	8	4,000	8	4,000			8,000	Seed	2,500		125,000	10		
16.10.2023	2 nd plowing	1ha	8	4,000	8	4,000			8,000	Straw	4,500		13,500	10		
19.10.2023	3 rd plowing	1 ha	8	4,000	8	4,000			8,000							
20.10.2023	4 th plowing	1 ha	7	3,500	7	3,500			7,000							
21.10.2023	Fertilizer application	1 ha	8	4,000	1	500		17,400	21900							
22.10.2023	Sowing	1 ha	10	5,000			1125		6125							
02.11.2023	Weeding & thinning	1 ha	20	10,000					10,000							
17.11.2023	Top dressing	1 ha	2	1,000				1000	1,000							
18.11.2023	Irrigation 1st	1 ha	2	1,000				500	1,500							
28.12.2023	Irrigation 2nd	1 ha	2	1,000				500	1,500							
30.12.2023	Plant protection	1 ha	2	1,000				200	1,200							
31.01.2024	Harvesting	1 ha	20	10,000					10,000							
01.02.2024	Beating	1 ha	5	2,500					2,500							
03.02.2024	Drying	1 ha	3	1,500					1,500							
04.02.2024	Drying	1 ha	3	1,500					1,500							
05.02.2024	Drying	1 ha	3	1,500					1,500							
06.02.2024	Drying	1 ha	3	1,500					1,500							
07.02.2024	Drying	1 ha	3	1,500					1,500							
08.02.2024	Weighing	1 ha	2	1,000					1,000							
				59,500		16,000	1125	18,400	1,200	96,225			1,38,500			

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Exercise 02:

Prepare a proforma of cultivation register and fill it up with the cultivation of mungbean in an area of 1 hectare in a Plot No. 7, Block- C in SAU farm.

Area: 1 ha, Filed reference: Plot No.- 7, Block- C, Crop: Mungbean, Laborer rate 500 Tk./day, Bullock: 500/ day, Nature of experiment: Demonstration, Manures and fertilizers used: Cowdung = 5 tons, Urea = 50 kg, TSP = 80 kg, MP = 60 kg.

Field reference: Block- C

Area: 1 ha
 Crop: Mungbean
 Plot#7
 Field reference: Block- A

Laborer : 300 Tk/ day
 Bullock : 300 Tk/ day
 Manures and fertilizers:
 Cowdung : 5 tons
 Urea : 50 kg
 TSP : 80 kg
 MP : 60 kg

Name of operation: Cultivation of mungbean for demonstration

Date	Work done	Area	Labor		Bullock pair		Seed (Tk.)	Manures and fertilizers (Tk.)	Miscellaneous (Tk.)	Total cost (Tk.)	Nature of output	Weight (kg)	Initial of overseer	Value (Tk.)	Stock Book Page no.	Remarks
			No.	Tk.	No.	Tk.										
20.10.2023	1 st plowing	1 ha	10	5,000	10	5,000				10,000	Grain	1,200		120,000	50	
22.10.2023	2 nd plowing	1ha	10	5,000	10	5,000				10,000	Stover	3,000		7,500	50	
23.10.2023	3 rd plowing	1 ha	8	4,000	8	4,000				8000						
25.10.2023	Fertilizer application	1 ha	6	3,000	1	500		6730		10,230						
26.10.2023	Seed sowing	1 ha	15	7,500			2500			10,000						
02.11.2023	Thinning, gap-filling	1 ha	10	5,000						5,000						
07.11.2023	1 st weeding	1 ha	12	6,000						6,000						
10.12.2023	2 nd weeding	1 ha	10	5,000						5,000						
15.12.2023	Roguing	1 ha	5	2,500						2,500						
30.12.2023	Harvesting	1 ha	10	5,000						5,000						
02.01.2024	Threshing	1 ha	10	5,000						5,000						
03.01.2024	Drying	1 ha	2	1000						1000						
04.01.2024	Drying	1 ha	2	1000						1000						
05.01.2024	Drying	1 ha	2	1000						1000						
06.01.2024	Weighing	1 ha	3	1500						1500						
	Total			57,500		14,500	2500	6730		83,730		4,200		127,500		

