

Welcome



COLLEGE OF HORTICULTURE
V.C.S.G UTTARAKHAND UNIVERSITY OF HORTICULTURE & FORESTRY
BHARSAR, PAURI GARHWAL, UTTARAKHAND – 246 123

HORTICULTURE WORK EXPERIENCE

Submitted to

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Submitted by

Group - 3rd

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INTRODUCTION

- GROUP - II
- LAND AREA – 2nd
- LAND AREA ALLOTTED – 2000m²
- AREA RECOVERED - 800m² (excluding undulated land).
- AREA CROPED -800m²

HORTICULTURAL SECTION INCLUDED IN PROGRAMME.

- ❖ Vegetable.
- ❖ Post harvest and processing.
- ❖ Floriculture.

ACTIVITIES IN FIELD UNDER PROGRAMME.

FIELD PREPRATION(Jan 23, 2016).

i. Field clearing.

Cutting and burning of
shrubs and bushes.

ii. Leveling of land.

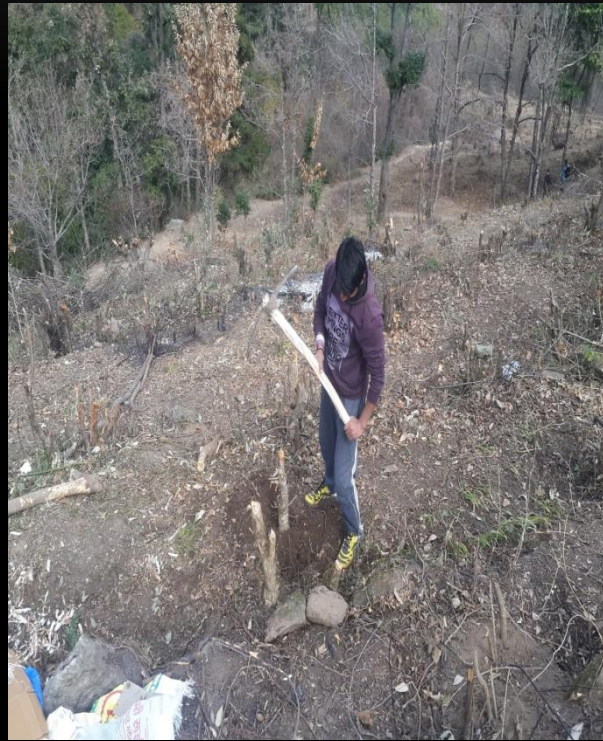


First day view of field.

EARLY FIELD OPERATIONS



Cutting and burning of bushes,



Removal of tree stumps.



Leveling of field.

VEGETABLE CROPS.

- Crops grown.

- i. Tomato(Him Sona)
- ii. Brinjal (PPL and PPR)
- iii. Capsicum(Solan Bharpoor)
- iv. Frenchbean (Arka komal)
- v. Pumpkin(local)
- vi. Bittergord
- vii. Spongegord (F1 hybrid Nutan)
- viii. Cucumber(f1 hybrid Mohini)
- ix. Radish (Pusa Chetki)
- X. Vegitable Rai (local)

NURSERY PREPARATION OF SOLANACEOUS CROP.

- Date 29/3/2016.
Brinjal, Tomato, and Chili.
seed are sown in raised bed
of dimension 1m x 1.5m x2 m in rows
5cm apart.



VEGETABLE CROPS

1. Frenchbean .

- ✓ Variety – Arka Komal
- ✓ Seed required - 400gm
- ✓ Sowing date – April9, 2016.
- ✓ Spacing – 30cm x 5 cm.
- ✓ Actual area - 120m²
- ✓ First harvesting – june7,2016.
- ✓ Yield – 47.25 kg.
- ✓ Standard yield = 62kg



2. RADISH

- Variety – Pusa chetki
- Sowing date – April 9, 2016
- Area covered – 40m²
- Spacing - 30cm x 10cm.
- Harvesting – June 11, 2016.
- Yield – 40kg
- Standard yield – 60kg.



CUCUMBER.

- Variety – Mohini f1.
- Sowing – in poly bag on march30,2016.
- Total bag – 30.
- Spacing – 80cm x 60cm
- Area – 100 m² (undulated area).
- First harvest – June25,2016.
- Yield.- 63.25kg.
- Standard yield- 80kg



BRINJAL

1. Variety – Pusa Purple Round.

- ✓ Seed required – 1-2gm.
- ✓ Transplanting date – June 18, 2016
- ✓ Spacing – 60cm x 45cm.
- ✓ Area -150m²

2. variety – Pusa Purple Long.

- ✓ Seed required – 5gm
- Yield = 48 kg
- Standard yield=375kg

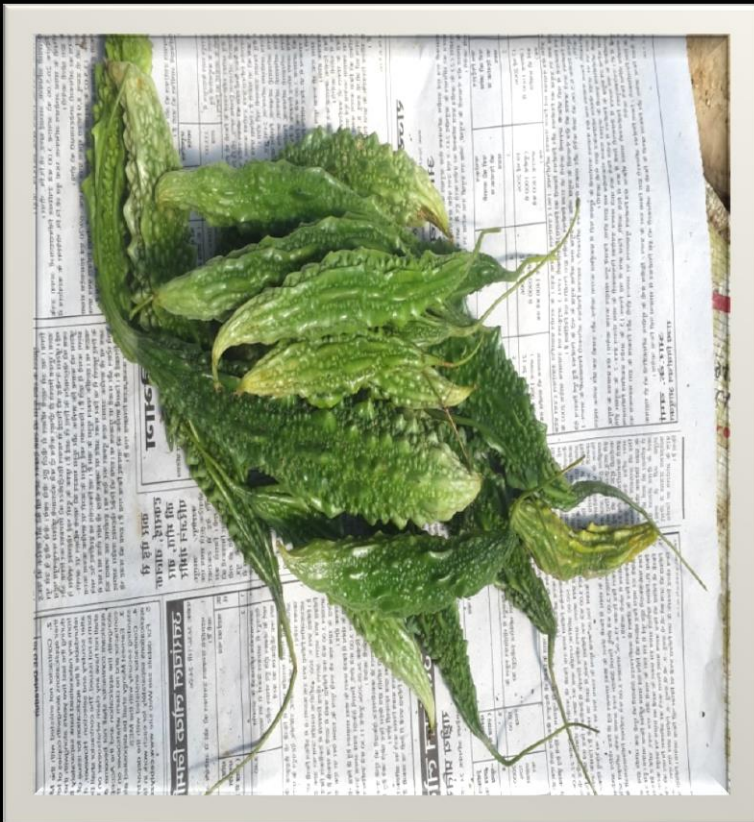


PUMPKIN.

- Pumpkin
- Variety – local.
- Sowing- in poly bag March30,2016.
- Spacing – 100cm x 80cm in pits 45cm x 45cm x45cm.
- Yield = 420 kg
- Standard yield = 450kg



BITTER GOURD AND CAPSICUM



* Sowing- March 30, 2016

Bitter gourd yield= 4kg

Capsicum

Area cropped 10m²

Yeild – 10kg

Standard yeild=25kg



HARVESTING OF DIFFERENT CROPS.



FLORICULTURE

Crop – Gladiolus

Variety – Sophie

Area – 30m²

Spacing – 30cm x 20cm

Total corms sown- 200 on April13,2016.

Germination – 190 on may20, 2016.

Flowing start – june29,2016.

Yield of corms = 325.



MARIGOLD

- Variety – Pusa Narangi.
- Nursery – sowing on date june21,2016.
- In bed 100cm x 50cm x15 cm .
In rows 5 cm apart.
Area cropped = 50m²



INTERCULTURAL OPERATION



Staking in tomato



Irrigation



Fungicide spray



Gap filling

PICKLES

Product	Quantity in kg.	Price (Rs./kg)	Market price (Rs./kg)	Total price (rupees)
Mango pickle	21	120	100-150	2520
Garlic pickle	1.8	250	300-400	450
Karonda pickle	1.5	200	-	300
Mix pickle	3.5	150	100-150	525
total				3795



Pickles of mango karonda and garlic.

JAM AND CHUTNEY

products	Quantity prepared	Price Rs./kg	Market Price RS./kg	Total price (rupees)
Mango jam	7kg	200	230-300	1400
Mango chutney	8kg	160	150-200	1280
Pear and apple chutney	7kg	100	120	700
total				3380



OTHER PRODUCTS

Products	Quantity	Price In rupees	Market price (rupees)	Total price (rupees)
Litchi squash	5.5l	150/litre	160/litre	825
chocolates	7kg	5rs per piece	5rs per piece	4640
Total				6465



TOTAL OUT PUT OF FIELD CROPS.

Crop	Area(m ²)	Total yield (kg)	Total output (rupees)
French bean	100	47.25	2115
Cucumber	100 (undulated area)	63.25	2210
Pumpkin	Slope and undulated land	420	8800
Brinjal	200	48	1350
Raddish	70	39	805
Veg rai	60	17	995
Capsicum	50	10	400
total			16675

VARIABLE COST

I. Investment on seeds (V_{i_s})

Crop	Amount(grams)	Price (rupees)	Source
French bean	500	200	Shop(Pantnagar)
Brinjal	5	100	Shop(Pantnagar)
Cucumber	10	150	Shop(Pantnagar)
Tomato	3	180	Shop(Pantnagar)
Raddish	50	150	Shop(Pantnagar)
Veg.Rai	250	100	Shop(Pantnagar)
Chili	150 (seedlings)	75	Local shop Pauri
Pumpkin	50	50	Local shop Pauri
Onion	5kg (seedlings)	150	KVK
Garlic	2500	200	Dairy and Pauri.
Marigold	20	50	Shop(Pantnagar)
TOTAL		1405	

II. Investment in post harvest(Vip)

Raw materials	Quantity	Total price (rupees)	Source
Raw mangos	25kg	350	Srinagar
Spices and oil.	-----	1682	local
Ripe mangos	20kg	600	Ramnagar
garlic	2kg	240	Local shop
Polly bags.	-----	150	Ramnagar
sugar	18kg	720	Local shop
Gas	----	300	..
Litchi pulp	2litre	200	Pantnagar
Bottle	5	50	Dehradun
Chocolate compound	12kg	1520	Dehradun
Polybag oils, dry fruits.	.....	1520	Dehradun
TOTAL		7332	

III. Other variable costs(V_{i_0}).

S.no	Component		Amount	Cost (rupees)	Source
a.	Labour cost		8810 total working days (Rs. 230 per day)	253,287	.....
b.	Fertilizers	Urea	5kg --	29	College
		DAP	2kg --	44	
		MOP	2kg --	22	
c.	Pesticides	Macozeb	100gm	50	college
		Redomil	50gm	70	
d.	Transport			300	.....
Total				253,682	

FIXED COST INVOLVED.(FI)

S.no	component		Rate	Cost (rupees)	source
i.	Depreciation	Farm equipment	5%	180	college
		Irrigation pipe	20%	80	college
		Consumable items i.e. rope, poly bags.	100%	300	college
ii.	(i) Rental cost of land (ii) Irrigation charges		.....	100	college
iii.	Rent on equipment's. a).sprayers, pipes, b).PHT equipment.		.....	100 100	college
Total				860	

TOTAL COST OF PRODUCTION

$$\begin{aligned}\text{Total cost} &= \text{Total variable cost} + \text{Total fixed cost} \\ &= V_{ip} + F_i(\text{iii b.}) \\ &= \text{Rs. } 7332 + 100\end{aligned}$$

*Total investment is 7432 rupees.
(Excluding labour cost)

$$\begin{aligned}\text{Total cost} &= \text{Total variable cost} + \text{Total fixed cost} \\ &= [V_{is} + V_{io}] + F_i \\ &= [1402 + 515] + 760 \\ &= \text{Rs. } 2677\end{aligned}$$

*Total investment is Rs. 2677 .
(Excluding labour cost)

TOTAL OUTPUT AND PROFIT OF THE PRODUCTION

- Output of PHT =Rs.13,640
- Investment =Rs7432
- Profit = Rs.6208.

B.C ratio = profit : cost of production
=6208 :7432
=0.835

- ❑ Output of veg. production = Rs.16,675.
- ❑ Investment = Rs.2677.
- ❑ Profit = Rs.13998

B.C ratio = profit : cost of production
=13998:2677
=5.228

ATTENDANCE SHEET

Months/ members	June,14	July	Aug	Sep.	Oct.	Nov.	Dec,20	Total	Jan. to June,14	Grand total
Deepshika	112	168	168	152	174	94	104	972	184	1156
Anil	136	160	168	144	128	152	104	992	186	1178
Arvind	136	168	168	152	104	152	104	984	206	1190
Rahul	136	208	168	152	88	152	80	984	186	1170
Rajendra	80	224	176	152	104	136	104	976	191	1167
Rajnish	136	160	176	152	104	144	104	976	201	1177
Sita	16	230	176	152	148	152	104	978	197	1175
Nitin	136	224	112	96	152	144	104	968	187	1155
Seema	56	248	168	152	114	144	104	984	193	1177
Total								8814		10545

thank you

