

**College of Horticulture,  
V.C.S.G. Uttarakhand University of Horticulture  
and Forestry, BHARSAR, PAURI GARHWAL**



**COURSE :- Horticulture Work Experience  
[HWE 101]**

**SUBMITTED TO :  
ER. TEJAS A. BHOSALE**

**SUBMITTED BY:  
Group 1**

# ACTIVITIES

- **Field Allotment and Preparation** : 23 January 2016  
**Area** : 2000m<sup>2</sup>
- **Cleaning of area** : 23 Jan.-13 Feb. 2016



- **Stump Cleaning and Tillage of field** : Starts from 20 Feb 2016



## Sowing of Fenugreek

Date:- 27 February 2016

Area :- 100m<sup>2</sup>

Seed Rate :- 150 gm/100m<sup>2</sup>

Variety:-Pusa Early Bunching

Spacing:-20×5cm<sup>2</sup>



## Sowing of Coriander

Date:- 5 March 2016

Area :- 100m<sup>2</sup>

Seed Rate :-200gm/100m<sup>2</sup>

Variety:-Pant Haritma

Spacing:-20×5cm<sup>2</sup>



## **Nursery Sowing of :**

### **Tomato**

Date :- 14 March 2016  
size of nursery bed:- $2 \times 1\text{m}^2$   
variety:-Arka Vikas

### **Brinjal**

Date :- 14 March 2016  
Variety:-Pusa Purpel long  
Nursery bed size:- $1 \times 1\text{m}^2$

### **Capsicum**

Date :- 14 March 2016  
variety:-Solan Bharpur  
Nursery bed size:- $1 \times 1\text{m}^2$

### **Cucurbits (Polybags)**

Bottle guard, Pumpkin,  
Ridge guard

Date:- 4 April 2016

Cucumber

Date :- 22 April 2016

## Sowing of Radish

Date :- 25 March 2016

11 April 2016

23 June 2016

Variety:-Pusa Chetki

Spacing:-30×5Cm<sup>2</sup>

Area :- 50m<sup>2</sup>

## Sowing of Gladiolus

Date:- 16 April 2016

Variety :-Nova Lux

Area :-32m<sup>2</sup>

Yield of corms : 287



## Sowing of French bean

Date:- 3 May 2016

Area :- 25 m<sup>2</sup>

Spacing:-30×10 cm<sup>2</sup>



## Transplanting of Tomato

Date:-4 May 2016

Spacing:-45×30 cm<sup>2</sup>



## **Sowing of Floriculture Nursery**

Calendula, Annual  
Chrysanthemum, Small  
Zinnia, Helichrysum,  
Gaillardia  
Date:- 6 May 2016

**Nursery of  
Chrysanthemum**

## **Transplanting of :**

Marigold

Date:- 7 May 2016

Spacing : 30×30cm<sup>2</sup>

Area :- 22.5m<sup>2</sup>





## **Transplanting of Calendula and chrysanthemum**

Date :- 28 June 2016

## **Transplanting of small zinnia, Helichrysum**

Date :- 29 June 2016

## **Transplanting of China Aster**

Date :- 30 June 2016

## **Area :**

Small zinnia- 25m<sup>2</sup>

Helichrysum- 14.5m<sup>2</sup>

China Aster- 10m<sup>2</sup>

Calendula- 10m<sup>2</sup>

Chrysanthemum- 32.3m<sup>2</sup>



## Transplanting of chilli and capsicum

Date:- 18 June 2016

Chilli- 135.5m<sup>2</sup>

Capsicum- 29.7m<sup>2</sup>



## Sowing of Leafy Vegetables

Area : 143 m<sup>2</sup>

Date :

Beet Root : 18 July

Spinach : 19 July

Varities :

Beet root : Ruby Red

Spinach : All Green

Spacing :

Spinach : 30×10 cm<sup>2</sup>

Beet root : 45×10 cm<sup>2</sup>

(ridges)

## Transplanting of Cabbage

Transplanting : 2<sup>nd</sup> Sept.

3<sup>rd</sup> Sept.

SPACING : 45cm × 45 cm

VARIETY : Varun

## SOWING OF ONION

- Area : 100m<sup>2</sup>
- Date : 23 Nov.. 2016
- Variety : AgriFound Red
- Spacing : 15×15 cm<sup>2</sup>



## SOWING OF GARLIC

- Area : 100m<sup>2</sup>
- Date : 14 Oct. 2016
- Spacing : 15×10cm<sup>2</sup>



# INTERCULTURAL OPERATIONS



Netting in tomato



Pinching in Tomatoes



Staking in Tomatoes



Irrigation in Radish & Onion



Spray of Mancozeb in Tomato (early blight)

# HARVESTED PRODUCE



# POST HARVEST ACTIVITIES

## MANGO SQUASH



## JACKFRUIT APPETIZER



# CHOCOLATE CUBES



# MANGO JAM



# INVESTMENT IN VEGETABLE PRODUCTION

<b>SR. NO.</b>	<b>INPUTS</b>	<b>QUANTITY</b>	<b>SOURCE</b>	<b>PRICE</b>
<b>1.</b>	<b>SEEDS (CUCUMBER)</b>	<b>1 PACKET (10gm)</b>	<b>SRINAGAR</b>	<b>200</b>
<b>2.</b>	<b>SEEDS (BOTTLEGOURD)</b>	<b>1 PACKET (10gm)</b>	<b>SRINAGAR</b>	<b>125</b>
<b>3.</b>	<b>SEEDS (PUMPKIN)</b>	<b>1 PACKET (10gm)</b>	<b>SRINAGAR</b>	<b>40</b>
<b>4.</b>	<b>SEEDS (RADISH)</b>	<b>1 PACKET (250gm)</b>	<b>SRINAGAR</b>	<b>160</b>
<b>5.</b>	<b>SEEDS (FRENCH BEAN)</b>	<b>10 PACKET (10gm EACH)</b>	<b>SRINAGAR</b>	<b>200</b>
<b>6.</b>	<b>SEEDS (CABBAGE)</b>	<b>2 PACKET (10gm EACH)</b>	<b>SRINAGAR</b>	<b>40</b>
<b>7.</b>	<b>SEEDS (BEET ROOT)</b>	<b>2 PACKET (10gm EACH)</b>	<b>SRINAGAR</b>	<b>20</b>
<b>8.</b>	<b>SEEDS (TOMATO)</b>	<b>1 PACKET (10gm)</b>	<b>SRINAGAR</b>	<b>200</b>



<b>9.</b>	<b>SEEDS (BRINJAL)</b>	<b>1 PACKET (10gm)</b>	<b>SRINAGAR</b>	<b>70</b>
<b>10.</b>	<b>SEEDS (CHILLI)</b>	<b>1 PACKET (10gm)</b>	<b>SRINAGAR</b>	<b>55</b>
<b>11.</b>	<b>SEEDS (CORIANDER)</b>	<b>200gm</b>	<b>COLLEGE</b>	<b>60</b>
<b>12.</b>	<b>SEEDS (FENUGREEK)</b>	<b>150gm</b>	<b>COLLEGE</b>	<b>30</b>
<b>13.</b>	<b>ONION SEEDLINGS</b>	<b>4kg</b>	<b>KVK, BHARSAR</b>	<b>120</b>
<b>14.</b>	<b>GARLIC CLOVES</b>	<b>4kg</b>	<b>PAURI</b>	<b>360</b>
	<b>OTHER INPUTS</b>	<b>-----</b>	<b>SRINAGAR</b>	<b>365</b>
	<b>TOTAL AMOUNT</b>			<b>2045</b>

# PRODUCTION OF VEGETABLE

<b>SR. NO.</b>	<b>CROPS</b>	<b>AREA (m<sup>2</sup>)</b>	<b>YIELD (KG)</b>	<b>AMOUNT (Rs.)</b>
<b>1.</b>	<b>RADISH (1<sup>ST</sup> SEASON)</b>	<b>50</b>	<b>47.5</b>	<b>1228</b>
<b>2.</b>	<b>RADISH (2<sup>ND</sup> SEASON)</b>	<b>83.5</b>	<b>62</b>	<b>1350</b>
<b>3.</b>	<b>TOMATO</b>	<b>107.2</b>	<b>120</b>	<b>4850</b>
<b>4.</b>	<b>PUMPKIN</b>	<b>slope</b>	<b>107</b>	<b>3020</b>
<b>5.</b>	<b>CUCUMBER</b>	<b>Slope</b>	<b>43.400</b>	<b>1566</b>
<b>6.</b>	<b>CHILLI</b>	<b>135</b>	<b>15.075</b>	<b>1055</b>
<b>7.</b>	<b>CORIANDER</b>	<b>100</b>	<b>0.5(SEEDS)</b>	<b>150</b>
<b>8.</b>	<b>FENUGREEK</b>	<b>100</b>	<b>0.8(SEEDS)</b>	<b>160</b>

<b>SR. NO.</b>	<b>CROPS</b>	<b>AREA (m<sup>2</sup>)</b>	<b>YIELD (KG)</b>	<b>AMOUNT (Rs.)</b>
9.	BRINJAL	150	30	1200
10.	BOTTLEGOURD	slope	6	150
11.	CAPSICUM	30	2.2	88
12.	BEANS	64.6	2	60
13.	LEAFY VEG.	143	27 (GADDI)	135
14.	CABBAGE	107.2	9	270
	<b>TOTAL</b>			<b>15282</b>

# POST HARVEST PRODUCE

SR NO	PRODUCTS	RAW MATERIAL	INPUT COST	TOTAL INPUT	PRICE	QUANTITY	TOTAL OUTPUT
1.	MANGO SQUASH	MANGO (25KG) SUGAR (18 KG) GAS USED BOTTLE (48)	500/- 720/- 160/- 480	1860	70/ bottle	40 Bottle	2800
2.	JACKFRUIT PICKLE	JACKFRUIT(17 KG) SPICE GAS USED	550/- 600/- 100/-	1250	150/KG	12.3 kg	1845
3.	JACKFRUIT APPETIZER	JACKFRUIT (8KG) SUAGR (4KG) SPICE BOTTLE (14)	240/- 160/- 320/- 112/-	832	90/bott le	11 bottle	990
4.	MANGO JAM	MANGO(16KG) SUGAR(9KG) GAS USED	320/- 360/- 120/-	800	50/ packet	24 packets	1200
5.	GUAVA SQUASH	GUAVA(5KG) SUGAR(3KG) BOTTLE (6) GAS USED	- 120/- 48/- 50/-	218	100/ bottle	6 bottle	600

SR NO	PRODUCTS	RAW MATERIAL	INPUT COST	TOTAL INPUT	PRICE	QUANTITY	TOTAL OUTPUT
6.	APPLE CHUTNEY	APPLE (16KG) SPICE SUGAR (8KG) GAS USED	320/- 230/- 320/- 150/-	1020	50/packet (500gm)	35 pack et	1750
7.	PEAR CHUTNEY	PEAR (10KG) SPICE SUGAR(4KG) GAS USED	- 120/- 160/- 80/-	360	50/packet (500gm)	18 pack et	900
8.	BISCUITS			958	5/piece	233 piece s	1165
9.	CHOCOLATES CUBE	CHOCOLATE COMPOUND DRY FRUITS ALUMINIUM FOIL GAS USED	4000/ - 420/- 450/- 240/-	5110			8610
		<b>TOTAL</b>		<b>12408</b>			<b>19860</b>

# GREETING CARDS



**INPUT COST : 735/-**

**NO. OF CARDS : 21**

**OUTPUT COST : 1470/-**

# B:C RATIO

- TOTAL INPUT COST = INVESTMENT FOR VEGETABLE PRODUCTION + INVESTMENT FOR POST HARVEST PRODUCTION + INVESTMENT FOR GREETING CARDS
- TOTAL OUTPUT = OUTPUT OF (VEG. PROD. + POST HARVEST + GREETING CARDS)
- NET PROFIT = TOTAL OUTPUT- TOTAL INPUT COST  
= (15282+19860+1470)-(2045+12408+735)  
=21424/-

$$\begin{aligned} \text{B:C RATIO} &= \text{NET PROFIT} : \text{TOTAL INPUT COST} \\ &= 21424 : 15188 \\ &= 1.4 \end{aligned}$$

# MONTH WISE WORKING HOURS (HRS.)

<b>NAME</b>	<b>DATE</b>	<b>14/6-30/6</b>	<b>1/7-31/7</b>	<b>1/8-31/8</b>	<b>1/9-25/9</b>	<b>11/10-31/10</b>	<b>1/11-30/11</b>	<b>1/12-20/12</b>
<b>RAVI KUMAR</b>		136	160	190	168	120	160	112
<b>IMAM H. ANSARI</b>		136	160	190	168	120	160	112
<b>KACHAN BHATT</b>		136	200	150	168	120	152	112
<b>NIKET GUPTA</b>		80	216	190	168	104	168	112
<b>NAVNEET MAITHANI</b>		56	240	190	168	136	208	40
<b>POORNITA RAURI</b>		56	240	190	168	120	160	112
<b>PRADEEP MEHRA</b>		136	240	190	168	112	96	112
<b>KAMAL KISHOR</b>		136	160	190	168	112	168	112
<b>DEEPSHIKHA GARIYA</b>		136	160	190	168	96	184	112
<b>ANJALI TIWARI</b>		56	240	190	168	120	160	112



Thank you...

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