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GOVERNMENT OF HARYANA

**ECONOMICS OF FARMING  
IN HARYANA  
2003-2004**

Issued by:

**ECONOMIC AND STATISTICAL ORGANISATION  
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## PREFACE

The present report relates to the annual series on 'Economics of Farming in Haryana' and it refers to the agricultural year 2003-04 (July,2003 to June,2004).

This study provides comprehensive assessment regarding the annual gross income, expenditure and net income from cultivation under irrigated and unirrigated holdings. It also highlights impact of irrigation, cropping pattern, intensity of cropping, consumption of chemical fertilizers and use of improved agricultural machinery and farm equipments alongwith the share of bullock and manual labour deployed in agricultural operations.

The study has further revealed that the average gross income per hectare under peasant proprietorship holdings (which form 84% of total selected holdings) was Rs. 44397 and average net income of Rs. 21124 taken together from irrigated and unirrigated holdings where as the average gross and net income from peasant proprietorship-cum-tenancy holdings was Rs. 46414 and Rs. 16722, respectively.

The report has been prepared by Sh. R.N.Dalal, Research Officer under the supervision of Sh. B.S.Yadav, Deputy Economic and Statistical Adviser and overall guidance of Sh. O.P.Dhankhar, Joint Economic and Statistical Adviser and Sh. Shrichand, Additional Economic and Statistical Adviser. The assistance rendered by Sarvshri Jai Singh Malik, Assistant Research Officer, Baldev Singh, J.F.I. and Smt. Rajwanti, J.F.I., for scrutiny, compilation and tabulation of data is also acknowledged. Typing support was given by Smt. Kamlesh, Stenotypist.

The valuable assistance and active co-operation rendered by the selected cultivators who maintained the record of day-to-day operations in connection with cultivation of their respective holdings is also acknowledged.

I hope this issue will prove useful for the agricultural planners and research workers in the state who are interested in the development of rural economy.

Chandigarh  
Dated : 16.12.2005

R.C. Sharma  
Economic & Statistical Adviser  
to Government, Haryana.



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## CHAPTER – I INTRODUCTION

### **General**

Agriculture holds the key to prosperity. Despite the decline in the share of agriculture to about one-fourth of GDP, nearly two thirds of our population still depends on this sector for their livelihood. But in terms of area, agriculture has reached at a saturation level and almost all the available cultivable land in the state is under plough. Thus, there is hardly any scope to bring more area under cultivation. The agriculture production can only be increased through enhanced cropping intensity, change in cropping pattern, improvement in seeds of high yielding varieties, cultivation practices and with the availability of better post harvest technology etc. State Govt. is trying to reorient agriculture in this direction through various policy measures for increasing the production. Considering the importance of this sector, Agriculture wing of this organisation has been bringing out the annual publication "Economics of Farming" which provides useful information on various aspects of farm economy and is greatly helpful in the formulation and evaluation of agricultural development programmes and policies. The study is also highly useful in a small state which is endowed with the variations of soil, topography, climate, cropping pattern and irrigation.

The present report on "Economics of Farming in Haryana" relates to the agricultural year 2003-2004 and 232 selected holdings were covered under this study.

### **1.1 Objectives of the Study**

The main objective of this study is to make an in-depth study of 'Economics of Farming' to find out the annual investment and net return per hectare under different types and size of holdings. In addition, this study also highlights the following aspects :

- (i) Input-output analysis of various crops;
- (ii) Income, expenditure and net return per hectare under the prevalent forms of tenancy cultivation i.e. peasant proprietorship and peasant proprietorship-cum-tenancy .
- (iii) Employment and utilisation of farm capital, manual labour and bullocks labour.

### **1.2 Method of Data Collection**

The study is based on the data collected from the selected cultivators through District Statistical Agencies. Various farm operations were recorded by the selected cultivators in the prescribed registers. To ensure accuracy of data, the record maintained by the farmers regarding this study was supervised and checked both by the staff of Headquarter and the District Statistical Agencies. Each selected cultivator was paid an honorarium of Rs. 225/-per annum for maintaining farm accounts register during the year 2003-04.

### **1.3 Sampling Design**

Multistage sampling design was adopted for conducting the annual field survey. The village was taken as a primary unit and the holding was ultimate unit of survey. The farm holdings in the villages have been selected purposively depending on the co-operation, willingness and capability of the cultivators in maintaining the day-to-day record of farm operations. As such, the results and conclusions arrived at in this report are based on the study of sample holdings and therefore, cannot necessarily be taken to reflect the situation prevailing in the state as a whole.

### **1.4 Coverage**

The study is comprehensive in nature and gives detailed account of 232 agricultural holdings. Out of these holdings, 205 holdings were irrigated, 7 unirrigated and the remaining 20 agricultural holdings were partly irrigated. Various characteristics of farm holdings such as size, tenancy, level of irrigation, area under various crops, agro-climatic conditions, intensity of cropping and yield per hectare have been analysed in the report. The economic impact of various inputs like (i) Manual labour, (ii) Bullock/Camel labour, (iii) Seeds (local and Improved varieties), (iv) Agricultural implements and machinery, (v) Farm yard manure and chemical fertilizers, (vi) Irrigation charges (abiyan and tubewell charges) etc., (vii) Rent (actually paid) and (viii) Miscellaneous inputs e.g. payments made to artisans, cost of insecticides and pesticides etc. have been calculated and shown separately for irrigated and unirrigated areas. Similarly, gross income, expenditure and net income per hectare under peasant proprietorship and peasant proprietorship-cum-tenancy have been worked out to determine the profitability of farming. The different size groups of holdings i.e. 0-2, 2.0-4.0, 4.0-7.5, 7.5-10.0 and 10.0 hectares and above have been covered under this study.

### **1.5 Agro-Climatic Zones**

Haryana consists of different agro climatic zones which are conducive for different variety of crops. To facilitate the analysis of data and to make the study more useful in planning and research for agricultural development, Haryana State has been divided into four homogeneous agro-climatic zones which are as under :-

Sr. No.	Zone	Districts included
1.	Northern	Panchkula, Ambala, Yamunanagar, Kurukshetra, Karnal, Panipat
2.	Central	Kaithal, Jind, Sonipat, Rohtak, Jhajjar
3.	Western	Bhiwani, Hisar, Fatehabad, Sirsa
4.	Southern	Faridabad, Gurgaon, Rewari, Mahendragarh.

## CHAPTER – II

### ANALYSIS OF FARM ACCOUNT HOLDINGS

#### 2.0 General

In this chapter, data collected from 232 farm holdings selected from different zones of the state has been analysed. Micro level data in respect of selected holdings has been presented in appendices I to III.

#### 2.1 Number and size of farm holdings

The number, cultivated area and average size of selected farm holdings in all the four agro-climatic zones are given below :

**Table 2.1 Zone-wise number and average size of selected holdings**

Sr.No.	Zone	No.of farm holdings	Total cultivated area of farm holdings (hectares.)	Average size of holdings (hectares)
1	2	3	4	5
1.	Northern	64 (27.59)	235.42 (27.88)	3.68
2.	Central	58 (25.00)	173.18 (20.51)	2.99
3.	Western	60 (25.86)	240.80 (28.51)	4.01
4.	Southern	50 (21.55)	195.10 (23.10)	3.90
	Total	232 (100.00)	844.50 (100.00)	3.64

Note : Figures in brackets indicate percentage to total.

Data given in Table 2.1 shows that the total cultivated area of all 232 selected holdings was 844.50 hectares with an average size of holdings of 3.64 hectares. The average size of holdings was the highest 4.01 in Western zone and the lowest 2.99 hectares in central zone. It may, however, be pointed out that the average size of holdings does not represent the average size of holdings in the state as the selection of farm holdings was purposive in character.

#### 2.2 Land Tenure Systems

There are two types of land tenure systems prevalent in the State i.e. (i) peasant proprietorship where peasant cultivates his own land with the help of his own family members or hired labourers, (ii) peasant proprietorship-cum-tenant where farmer cultivates his own land alongwith some land either on rent (cash) or on batai (kind) with the help of his own family members or hired labourers so as to make the cultivate holdings economically viable.

The classification of selected holdings according to prevailing land tenure systems in the different zones is given in Table 2.2.

**Table 2.2 Zone-wise classification of farm holdings under peasant proprietorship and peasant proprietorship-cum-tenant system**

Zone	Peasant proprietorship		Peasant proprietorship - cum-tenant		Total	
	No. of holdings	Area (hectares)	No. of holdings	Area (hectares)	No. of holdings	Area (hectares)
1	2	3	4	5	6	7
Northern	54 (84.37)	201.16 (85.45)	10 (15.63)	34.26 (14.55)	64 (27.59)	235.42 (27.88)
Central	47 (81.03)	127.08 (73.38)	11 (18.97)	46.10 (26.62)	58 (25.00)	173.18 (20.51)
Western	53 (88.33)	214.00 (88.89)	7 (11.67)	26.80 (11.12)	60 (25.86)	240.80 (28.51)
Southern	43 (86.00)	164.10 (84.11)	7 (14.00)	31.00 (15.89)	50 (21.55)	195.10 (23.10)
Total	197 (84.91)	706.34 (83.64)	35 (15.09)	138.16 (16.36)	232 (100.00)	844.50 (100.00)

Note : Figures in brackets show the percentage to the total number of holdings and total area.

Table 2.2 shows that out of total 844.50 hectares 83.64% areas, belonged to the peasant proprietor cultivators and remaining 16.36% area was covered under peasant proprietor-cum-tenant holdings. The latter group i.e. peasant proprietor-cum-tenant represented by small and marginal farmers who had to supplement their holdings by taking land on rent/batai in case or kind so as to make the cultivate holdings economically viable.

### 2.3 Classification of cultivated area of selected holdings

Classification of area of the selected holdings under different size groups and land tenure systems is given in the following table :-

**Table 2.3 : Classification of selected holdings according to size and land tenure systems**

(Area in hectares)

Size of holdings	Peasant proprietorship		Peasant proprietorship-cum-tenant					Total	
	No. of holdings	Area	No. of holdings	Owned	Rented (Cash)	Batai (Kind)	Total area	No. of holdings	Area
1	2	3	4	5	6	7	8	9	10
Below 2.0	49	66.01	4	2.69	1.20	1.22	5.11	53	71.12
2.0-4.0	84	233.65	17	26.00	14.65	6.00	46.65	101	(22.85) (8.42)
4.0-7.5	51	270.48	11	31.40	12.20	14.40	58.00	62	(43.53) (33.19)
7.5 – 10.0	7	57.80	2	9.20	6.80	-	16.00	9	(26.72) (38.90)
10.0 & above	6	78.40	1	2.00	-	10.40	12.40	7	(3.88) (8.74)
Total	197 (84.91)	706.34 (83.64)	35 (15.09)	71.29	34.85	32.02	138.16 (16.36)	232 (100.00)	844.50 (100.00)

Note : Figures in brackets show the %ages to the total number of holdings and their total area.

It may be seen from Table 2.3 that out of total 232 farm holdings, 197 holdings (84.91%) and 35 holdings (15.09%) were under peasant proprietorship & peasant proprietorship-cum-tenant having an area of 706.34 (83.64%) hectares & 138.16 (16.36%) hectares, respectively. It may also be inferred from the table that the maximum concentration of holdings (43.53%) was in the size group of 2.0-4.0 hectares and the minimum (3.02%) in the size group of 10.00 hectares & above. A majority of the holdings i.e. 70.25% were in the size groups of 2.0-4.0 & 4.0-7.5 hectares whereas 22.85% of the holdings belonged to the smallest size group of below 2.0 hectares. Remaining holdings 6.90% were found in the size group of 7.5-10.0 and 10.0 hectares and above during the year 2003-04.

**Table 2.4 : Number of holdings by extent of irrigation.**

Zone	Total number of studied holdings	Irrigated holdings	Unirrigated holdings	Partly irrigated holdings				
				Below 25%	25% to 50%	50% to 75%	75% to 100%	
1	2	3	4	5	6	7	8	
Northern	64	58	1	-	1	2	2	
Central	58	51	-	-	-	3	4	
Western	60	54	2	-	1	2	1	
Southern	50	42	4	-	-	1	3	
Total	232	205 (88.36)	7 (3.02)	-	2 (0.86)	8 (3.45)	10 (4.31)	

Data given in Table 2.4 shows that out of total 232 holdings, maximum number of holdings i.e. 205 holdings (88.36%) were wholly irrigated. As many as 7 holdings (3.02%) were totally unirrigated. The remaining 20 holdings (8.62%) were partly irrigated. Thus, it is clear that there is no problem of irrigation in the state as majority of the holdings were irrigated. It will be seen from the table that a total number of 232 holdings from four climatic zones were studied during agricultural year 2003-04.

#### Irrigation

The availability of abundant and assured quantity of quality water is a basic need for increasing the agriculture production. It being a prime input for agricultural development, the state Govt. has given over riding priority in its successive plan as the limited water resources viz canal as well as underground water are available in our state for irrigation. Before discussing the results of the field survey, it is imperative to examine whether there were irrigation facilities for selected/studied holdings or not?

#### Irrigated/Unirrigated area of selected holdings

The information regarding the number of holdings and their areas were also collected from the selected cultivators. The total cultivated area of all studied holdings and irrigated/unirrigated area alongwith percentages has been shown in table 2.4 (a).

Table 2.4 (a) Zone-wise irrigated/unirrigated area of the holdings under study.

Zone	Total cultivated area of all selected holdings	Irrigated area	Unirrigated area	Area irrigated/unirrigated as percentage of the total cultivated area	
				Irrigated	Unirrigated
1	2	3	4	5	6
Northern	235.42	229.31	6.11	97.40	2.60
Central	173.18	167.68	5.50	96.82	3.18
Western	240.80	223.60	17.20	92.86	7.14
Southern	195.10	169.50	25.60	86.88	13.12
Total	844.50	790.09	54.41	93.56	6.44

It is obvious from Table 2.4(a) that 93.56 percent of the cultivated area was under irrigation whereas only 6.44 percent area was found unirrigated during agricultural year 2003-04. The table also reveals that Northern & Central zones were topers in respect of irrigated area brought under farming. The southern zone was on the lowest position contributing 86.88 percent irrigated area. In case of unirrigated area southern zone was on the higher side resulting in 13.12 percent of the total cultivated area whereas the minimum unirrigated area i.e. 2.60 percent was observed in Northern zone.

## 2.5 Classification of holdings by number and extent of irrigation in different size groups

The classification of holdings by number and extent of irrigation in different size groups is given in Table 2.5.

Table 2.5 : Classification of holding by number/area and level of irrigation in different size groups.

Size of holdings (hectares)	Total number of hold- ings -	Total area of all sele- cted hold- ings	(Area in hectares)						
			Wholly irrigated holdings/ area		Partly irrigated holdings/ area		Wholly unirrigated holdings/ area		
			No.	Area	No.	Area	Irri.	Unirri	
1	2	3	4	5	6	7	8	9	10
Below 2.0	53	71.12	46	61.51	2	1.80	0.60	5	7.21
2.0-4.0	101	280.30	93	256.30	8	17.60	6.40	-	-
4.0-7.5	62	328.48	54	285.78	7	24.90	11.20	1	6.60
7.5-10.0	9	73.80	7	57.40	1	7.20	0.80	1	8.40
10.0 & above	7	90.80	5	65.20	2	12.40	13.20	-	-
Total	232	844.50	205	726.19	20	63.90	32.20	7	22.21
				(85.99)		(7.57)	(3.81)		(2.63)

Not:- Figures in brackets show the percentages to the total number of 232 holdings and their total area (844.50 hectares).

It may be seen from Table 2.5 that out of total 232 holdings as many as 101 holdings were falling in the size group of 2.0-4.0 hectares having an area of 280.30 hectares. Whereas 62 holdings were located in the size group of 4.0-7.5 hectares contributing 328.48 hectares area. Only 7 holdings were under the size group of 10.0 hectares & above. The table further reveals that 85.99 percent and 11.38 percent of the total area were fully irrigated or partly irrigated during the year 2003-04 and the remaining 2.63 percent area has no irrigation facility. It is heartening of note that no unirrigated area was existed in the size groups of 2.0-4.0 & 10.0 hectares & above.

## 2.6 Area under different crops (Irrigated and Unirrigated holdings)

Zone-wise and crop-wise distribution of irrigated/unirrigated area of selected holdings is given in Table 2.6 (a) and 2.6 (b), respectively.

**Table 2.6 (a) Zone-wise and crop-wise distribution of irrigated area of selected holdings**

Crops	Northern	Central	Western	Southern	(Area in hectares)	
					1	2
<b>I. Cereals</b>						
Paddy	143.28	69.40	19.60	10.80	243.08	(17.04)
Bajra	-	16.30	35.05	39.50	90.85	(6.36)
Maize	7.25	-	-	-	7.25	(0.51)
Wheat	149.91	137.83	134.40	89.34	511.48	(35.85)
Barley	-	1.20	0.90	5.00	7.10	(0.50)
<b>Total Cereals</b>	<b>300.44</b>	<b>224.73</b>	<b>189.95</b>	<b>144.64</b>	<b>859.76</b>	<b>(60.26)</b>
<b>II. Pulses</b>						
Gram	-	0.20	7.30	1.70	9.20	(0.64)
Other pulses	2.70	3.20	4.00	8.80	18.70	(1.31)
<b>Total pulses</b>	<b>2.70</b>	<b>3.40</b>	<b>11.30</b>	<b>10.50</b>	<b>27.90</b>	<b>(1.95)</b>
<b>III. Cash crops</b>						
Oilseeds (Rape & Mustard)	7.50	9.30	55.00	60.66	132.46	(9.28)
Sugarcane	51.40	10.30	-	0.30	62.00	(4.35)
Cotton (Desi)	-	5.90	24.50	0.20	30.60	(2.14)
Cotton (American)	-	2.00	55.55	-	57.55	(4.03)
<b>Total cash crops</b>	<b>58.90</b>	<b>27.50</b>	<b>135.05</b>	<b>61.16</b>	<b>282.61</b>	<b>(19.80)</b>
<b>IV. Green Fodder</b>	<b>45.49</b>	<b>38.95</b>	<b>26.00</b>	<b>32.04</b>	<b>142.48</b>	<b>(9.99)</b>
<b>V. Other crops</b>	<b>13.13</b>	<b>13.50</b>	<b>55.60</b>	<b>31.90</b>	<b>114.13</b>	<b>(8.00)</b>
<b>Total of all crops</b>	<b>420.66</b>	<b>308.08</b>	<b>417.90</b>	<b>280.24</b>	<b>1426.88</b>	<b>(100.00)</b>

Note : Figures in brackets indicate percentages to total.

**Table 2.6 (b) Zone-wise and crop-wise distribution of unirrigated area of selected holdings**

Crops	(Area in hectares)					Total
	1	2	3	4	5	
I. Cereals						
Paddy						
Bajra				6.00	6.00	12.00
Maize		1.11				(17.18)
Wheat	6.35		0.40		0.40	7.15
Barley	-		0.60	3.20	1.00	(10.23)
<b>Total Cereals</b>	<b>7.46</b>	<b>1.00</b>	<b>9.20</b>	<b>7.40</b>	<b>25.06</b>	<b>(35.87)</b>
II. Pulses						
Gram				5.00	13.60	18.60
Other pulses	-	-	-	-	-	(26.62)
<b>Total pulses</b>	<b>-</b>	<b>-</b>	<b>5.00</b>	<b>13.60</b>	<b>18.60</b>	<b>(26.62)</b>
III. Cash crops						
Oilseeds (Rape & Mustard)	0.70	3.70	0.60	7.00		12.00
Sugarcane	1.20	-	-	-	-	(17.18)
Cotton (Desi)	-	-	-	-	-	1.20
Cotton (American)	-	-	-	-	-	(1.72)
<b>Total cash crops</b>	<b>1.90</b>	<b>3.70</b>	<b>0.60</b>	<b>7.00</b>	<b>13.20</b>	<b>(18.90)</b>
IV. Green Fodder	3.54	-	-	-	0.40	3.94
V. Other crops	0.06	0.80	2.00	6.20		9.06
<b>Total of all crops</b>	<b>12.96</b>	<b>5.50</b>	<b>16.80</b>	<b>34.60</b>	<b>69.86</b>	<b>(100.00)</b>

Note : Figures in brackets indicate percentages to total

It may be observed from the foregoing Tables 2.6 (a) and 2.6 (b) that the total irrigated and unirrigated area of all crops was 1426.88 hectares and 69.86 hectares, respectively under different zone. The percentage of irrigated area under wheat was the highest (35.85) followed by paddy 17.04, green fodder 9.99 and oilseeds 9.28. Inference may also be drawn from Table 2.6 (a) that the highest irrigated area of all crops was observed in northern zone 420.66 hectares whereas it was lowest in the southern zone i.e. 280.24 hectares. The figures in table 2.6 (b) also indicate that southern zone had maximum unirrigated area i.e. 34.60 hectares. The western zone was on the second position contributing 16.80 hectares unirrigated area.

The cropping pattern under unirrigated areas was substantially different than that of the irrigated areas. In case of unirrigated areas, the percentage under Gram was the highest i.e.

(26.62) followed by Oilseeds 17.18, Bajra 17.18 & Wheat 10.23 of the total unirrigated areas during the year 2003-04.

## 2.7 Intensity of Cropping

The choice and scope of various crops is determined by assured irrigation facilities and availability of improved high yielding varieties of seeds and other inputs. The total cropped area under various crops of selected holdings alongwith percentage of irrigated area and intensity of cropping are presented in Tables 2.7 (a), 2.7 (b) and 2.7 (c), respectively.

**Table 2.7 (a) Area under different crops and crop-wise percentages of irrigated area to the total cropped area.**

Sr.No.	Crops	Total cropped area (Irrigated & unirrigated)	Percentage to total cropped area	Irrigated area	(Area in hectares) %age of irrigated area to total cropped area
1	2	3	4	5	6
1.	Paddy	243.08	16.24	243.08	100.00
2.	Bajra	102.85	6.87	90.85	88.33
3.	Maize	8.36	0.56	7.25	86.72
4.	Wheat	518.63	34.65	511.48	98.62
5.	Barley	11.90	0.80	7.10	59.66
6.	Gram	27.80	1.86	9.20	33.09
7.	Other Pulses	18.70	1.25	18.70	100.00
8.	Oilseeds (Rape & Mustard)	144.46	9.65	132.46	91.69
9.	Sugarcane	63.20	4.22	62.00	98.10
10.	Cotton Desi	30.60	2.04	30.60	100.00
11.	Cotton American	57.55	3.85	57.55	100.00
12.	Green Fodder	146.42	9.78	142.48	97.31
13.	Other Crops	123.19	8.23	114.13	92.65
	Total	1496.74	100.00	1426.88	95.33

Figures table 2.7(a) indicate that the percentage of area under wheat was the highest 34.65, followed by paddy 16.24, Green fodder 9.78 and Oilseeds (Rape & Mustard ) 9.65 under irrigated and unirrigated area. Whereas only 0.56 percent area was under maize. It is further reflected from Table 2.7 (a) that percentage of irrigated area to total cropped area was 100 in case of paddy, cotton desi , cotton (Amercian) other pulses and it was closely followed by sugarcane, wheat and Green fodder respectively. The overall irrigated area to total cropped area was 95.33 percent .

The intensity of cropping under irrigated and unirrigated areas in all four zones has been shown in the following table:-

**Table 2.7 (b) Zone-wise intensity of cropping under irrigated and unirrigated areas**

Zone	Percentage of intensity		Total
	Irrigated	Unirrigated	
1	2	3	4
Northern	184.58	182.65	184.53
Central	187.73	100.00	181.07
Western	186.90	97.67	180.52
Southern	165.33	135.16	161.37
Overall intensity	180.93	125.09	177.33

The intensity of cropping has been worked out as under :-

$$\frac{\text{Total cropped area}}{\text{Net area sown}} \times 100$$

Net area sown

The average intensity of cropping in the irrigated and unirrigated areas was 180.93% and 125.09%, respectively. The central zone showed the highest intensity (187.73) and southern had the lowest intensity i.e. 165.33 on irrigated land. In case of unirrigated land, the intensity of cropping was highest in northern zone of (182.65). The overall intensity was 177.33% for irrigated and unirrigated areas.

The intensity of cropping in respect of selected holdings for 2002-03 and 2003-04 is given below:-

**Table 2.7 (c) Cropping intensity under irrigated and unirrigated areas for 2002-03 and 2003-04**

Year	Irrigated		Unirrigated	Total
	1	2		
2002-2003	173.98		80.80	166.28
2003-2004	180.93		125.09	177.33

It may be seen from the above table that the cropping intensity for irrigated areas increased to 180.93 during 2003-04 as compared to 173.98 in 2002-03. In case of unirrigated areas, the intensity of cropping had gone up 125.09% in 2003-04 as compared to 80.80% in 2002-2003. The overall cropping intensity also increased from 166.28% in 2002-03 to 177.33% in 2003-2004.

## 2.8 Output per hectare

The output per hectare in irrigated areas in respect of some crops was found to be higher than that of unirrigated areas. The average yield per hectare of sugarcane was 48735 kgs, paddy 4594 kgs, wheat 3869 kgs, barley 3000 kgs, oilseeds 1620 kgs, respectively in irrigated areas. The average yield in unirrigated areas under wheat, oilseeds and barley was 3259 kgs., 1308 kgs., 1479 kgs., respectively. Zone-wise yield per hectare of different crops in irrigated and unirrigated land is given in Table 2.8(a) & 2.8(b), respectively.

**Table 2.8 (a) Zone-wise yield per hectare of different crops under irrigated areas during 2003-2004**

Sr.No.	Crops	Northern	Central	Western	Southern	(In Kgs.) Average yield
1	2	3	4	5	6	7
<b>A-Cereals</b>						
1.	Paddy	4747	4254	5036	3954	4594
2.	Wheat (Grain)	3829	3855	3896	3700	3869
3.	Wheat (Bhusa)	3590	3861	3638	3666	3727
4.	Bajra (Grain)	-	1589	1458	1413	1462
5.	Maize (Grain)	1793	-	-	-	1793
6.	Barley (Grain)	-	1000	2333	3600	3000
7.	Barley (Bhusa)	-	833	2889	2980	2606
<b>B-Pulses</b>						
1.	Gram (Grain)	-	1000	973	588	902
2.	Gram (Bhusa)	-	1000	370	588	424
3.	Other Pulses (Grain)	1409	1125	575	3159	2005
<b>C-Cash Crops</b>						
1.	Oilseeds (Rape & Mustard)	1667	1172	1622	1682	1620
2.	Sugarcane	50342	40680	-	50000	48735
3.	Cotton (Desi & American)	-	1114	1300	2000	1285

**Table 2.8 (b) Zone-wise yield per hectare of different crops under unirrigated areas during 2003-04**

Sr.No.	Crops	Northern	Central	Western	Southern	(In Kgs.) Average yield
1	2	3	4	5	6	7
<b>A-Cereals</b>						
1.	Paddy	-	-	-	-	-
2.	Wheat (Grain)	3102	2500	-	4000	3259
3.	Wheat (Bhusa)	2614	2500	-	4000	2825
4.	Bajra (Grain)	-	-	1200	817	1033
5.	Maize (Grain)	1892	-	-	-	1892
6.	Barley (Grain)	-	333	1500	2100	1479
7.	Barley (Bhusa)	-	168	1500	1000	1299
<b>B-Pulses</b>						
1.	Gram (Grain)	-	-	1040	1522	1392
2.	Gram (Bhusa)	-	-	1040	1471	1355
3.	Other Pulses (Grain)	-	-	-	-	-
<b>C-Cash Crops</b>						
1.	Oilseeds (Rape & Mustard)	1286	1270	1500	1329	1308
2.	Sugarcane	25000	-	-	-	25000
3.	Cotton (Desi and American)	-	-	-	-	-

The comparative study in regard to yield per hectare of major crops under irrigated and unirrigated areas during the years 2002-03 and 2003-04 has been made in the following table :-

**Table 2.8 (c) Yield per hectare of major crops (irrigated and unirrigated) holdings for the years 2002-03 & 2003-04**

Sr.No.	Crops	2002-03		2003-04		( In Kgs.)
		Irrigated	Unirrigated	Irrigated	Unirrigated	
1	2	3	4	5	6	
1.	Paddy	3975	-	4594	-	
2.	Wheat	3759	2603	3869	3259	
3.	Barley	2378	-	3000	1479	
4.	Gram	599	726	902	1392	
5.	Cotton (Desi & American)	1159	500	1285	-	

It is evident from the above table that the average yield per hectare of paddy & wheat, gram, barley & cotton under irrigated areas increased during 2003-04 as compared to the year 2002-03. In case of unirrigated holdings, the average yield per hectare of wheat, barley & gram had shown increasing trend in the year 2003-04.

## 2.9 Capital investment in farm, agricultural machinery and equipments

The capital investment has been classified into two broad heads i.e. (a) investment to improve the farm and (b) investment in agricultural machinery and equipments.

### (a) The capital investment in farm includes the following :-

- (i) Investment in land such as reclamation, improvement, fencing, terracing and bunding etc.
- (ii) Construction and maintenance of farm buildings, comprising of cattlesheds, tractor sheds, godown and stores etc. (excluding investment in dwelling houses).
- (iii) Acquisition and maintenance of drought animals.

### (b) Capital investment in agricultural machinery and equipments includes the following :-

- (i) Agricultural implements and machinery including tractors with accessories, bar harrow, thrasher, cart, iron plough, cane crusher, chaff cutter and gur boiling pan etc.
- (ii) Installation of tubewells / pumping sets and sinking of wells. It also includes the cost of construction and remodeling of kacha and pucca water courses.

Zone-wise details of capital investment in farm and agricultural machinery/equipments are given in Table 2.9 (a)

**Table 2.9 (a) Capital investment in farm agricultural machinery and equipments**

Items 1	Northern 2	Central 3	Western 4	Southern 5	(In Rs.)	
					Total 6	
<b>A-Farm</b>						
(i) Farm buildings, cattlesheds & other structures	1178640 (29.06)	4736712 (75.06)	403296 (27.80)	247832 (7.43)	6566480 (43.34)	
(ii) Drought animals (including its acquisition)	79280 (1.96)	56192 (0.89)	78864 (5.43)	3024 (0.09)	217360 (1.43)	
<b>Total-A</b>	<b>1257920 (31.02)</b>	<b>4792904 (75.95)</b>	<b>482160 (33.23)</b>	<b>250856 (7.52)</b>	<b>6783840 (44.77)</b>	
<b>B-Agricultural machinery</b>						
(i) Tubewells/pumping sets	793984 (19.58)	329744 (5.23)	550808 (37.96)	404456 (12.13)	2078992 (13.72)	
(ii) Machinery and equipments	2003528 (49.40)	1187560 (18.82)	417936 (28.81)	2679513 (80.35)	6288537 (41.50)	
<b>Total - B</b>	<b>2797512 (68.98)</b>	<b>1517304 (24.05)</b>	<b>968744 (66.77)</b>	<b>3083969 (92.48)</b>	<b>8367529 (55.23)</b>	
<b>Grand Total (A+B)</b>	<b>4055432 (100.00)</b>	<b>6310208 (100.00)</b>	<b>1450904 (100.00)</b>	<b>3334825 (100.00)</b>	<b>15151369 (100.00)</b>	
<b>Investment per hectare</b>	<b>17226</b>	<b>36437</b>	<b>6025</b>	<b>17093</b>	<b>17941</b>	

The perusal of the table shows that the total capital investment on farm buildings and drought animals was 44.77% against 55.23% capital investment on Tubewells/pumping sets and machinery & equipments. The capital investment in farm was the highest (75.95%) in central zone whereas it was lowest (7.52%) in southern zone during the year 2003-04. Similarly, in case of agricultural machinery, capital investment ranged between 25% to 93% in different zones. The overall capital investment per hectare was worked out to Rs. 17941.

The percentage investment made in various types of agricultural machinery and equipment, tubewells/pumping sets of selected holdings is shown in Table 2.9 (b).

**Table 2.9 (b) Capital investment in agricultural machinery and equipments and tubewells/ pumping sets**

Sr. No.	Implements	Investment (In Rs.)	Percentage
1	2	3	4
1.	Tractor with accessories	4529352	54.13
2.	Tubewells/pumping sets	2078992	24.85
3.	Thrashers	360224	4.31
4.	Carts	127904	1.53
5.	Chaff cutters	121697	1.45
6.	Bar harrows	274912	3.29
7.	Iron ploughs	19920	0.23
8.	Rollers	16616	0.20
9.	Seed drills	65408	0.78
10.	Gur boiling pans	-	-
11.	Cane crushers	-	-
12.	Miscellaneous (Triphali-Sohaga, Spray pumps etc.)	772504	9.23
	<b>Total</b>	<b>8367529</b>	<b>100.00</b>

It may be observed from the above table that investment on tractor with accessories was 54.13% of the total capital investment on agricultural machinery and equipments followed by 24.85% on tubewells/pumping sets, 4.31% on thrashers, 3.29% on bar harrows and 1.53% on carts, respectively. The rest of the implements accounted for 11.89% of the total capital investment on agricultural machinery and equipments.

#### 2.10 Use of chemical fertilizers

The study of farm accounts also reveals the extent of chemical fertilizers used as an input in the adoption of improved agricultural practices. Table 2.10 (a) shows the number and percentage of holdings using chemical fertilizers in all the four agro-climatic zones of the state.

**Table 2.10 (a) Zone -wise number of holdings using chemical fertilizers**

Zone	No. of selected holdings	No. of holdings found using chemical fertilizers	Percentage of col. 3 to col. 2
1	2	3	4
Northern	64	64	100.00
Central	58	58	100.00
Western	60	60	100.00
Southern	50	50	100.00
Total	232	232	100.00

Table 2.10 (a) reveals that cent percent selected holding were using chemical fertilizers during the year 2003-04. Crop-wise area of the selected holdings where chemical fertilizers were used is presented in the following table :-

**Table 2.10 (b) Total crop-wise area of holdings where chemical fertilizers were used**

(Area in hectares)

Sr. No.	Crops	Irrigated			Unirrigated		
		Total cropped area	Area under chemical fertilizers	% age of col.4 to col.3	Total cropped area	Area under chemical fertilizers	% age of col.7 to col.6
1	2	3	4	5	6	7	8
1.	Paddy	243.08	243.08	100.00	-	-	-
2.	Bajra	90.85	65.25	71.82	12.00	8.00	66.67
3.	Maize	7.25	6.85	94.48	1.11	1.11	100.00
4.	Wheat	511.48	510.28	99.77	7.15	3.75	52.45
5.	Barley	7.10	6.10	85.92	4.80	2.60	54.17
6.	Sugarcane	62.00	58.70	94.68	1.20	1.20	100.00
7.	Cotton (Desi)	30.60	27.60	90.20	-	-	-
8.	Cotton(American)	57.55	57.55	100.00	-	-	-
9.	Oilseeds (Rape & Mustard)	132.46	126.24	95.30	12.00	8.20	68.33
10.	Green fodder	142.48	119.04	83.55	3.94	2.80	71.07
11.	Other crops	114.13	81.93	71.79	9.06	3.60	39.74
	Total	1398.98	1302.62	93.11	51.26	31.26	60.98

The data given in Table 2.10(b) reflects that the percentage of area under chemical fertilizers in the irrigated holdings was the highest i.e. 100 in case of paddy & cotton american, 99.77 wheat, 95.30 oilseeds, 94.68 sugarcane, 94.48 maize crops followed cotton desi 90.20, 85.92 barley and green fodder 83.55, respectively of the total irrigated area sown was under chemical fertilizers. In case of unirrigated area, it was 60.98% during the year 2003-2004.

### 2.11 Consumption of chemical fertilizers per hectare

It will be seen from Table 2.11 that the use of chemical fertilizers varied considerably in irrigated and unirrigated holdings. In irrigated areas, the consumption of chemical fertilizers depends on the soil texture and the extent of irrigation facilities available. The consumption of chemical fertilizers per hectare in case of sugarcane, paddy, wheat and other crops in irrigated area was 592.16 kgs., 440.76 kgs., 360.07 kgs., 111.25 kgs., respectively. The consumption of chemical fertilizers per hectare under different crops is given in Table 2.11.

**Table 2.11 Consumption of chemical fertilizers per hectare under various crops during the year 2003-04**

Sr. No.	Crops	Irrigated			Unirrigated		
		Area under chemical fertilizers (hectares)	Total quantity of fertilizers used (kgs.)	Quantity per hect. (kgs.)	Area under chemical fertilizers (hectares)	Total quantity of fertilizers used (kgs.)	Quantity per hect. (kgs.)
1	2	3	4	5	6	7	8
1.	Paddy	243.08	107140	440.76	-	-	-
2.	Bajra	65.25	8410	128.89	8.00	800	100.00
3.	Maize	6.85	1100	160.58	1.11	175	157.66
4.	Wheat	510.28	183735	360.07	3.75	720	192.00
5.	Barley	6.10	1960	321.31	2.60	500	192.31
6.	Sugarcane	58.70	34760	592.16	1.20	200	166.67
7.	Cotton (Desi)	27.60	5055	183.15	-	-	-
8.	Cotton (American)	57.55	12580	218.59	-	-	-
9.	Oilseeds (Rape & Mustard)	126.24	28820	228.30	8.20	1200	146.34
10.	Green fodder	119.04	23153	194.50	2.80	325	116.07
11.	Other crops	81.93	9115	111.25	3.60	450	125.00
Total		1302.62	415828	319.22	31.26	4370	139.80

## 2.12 Operated area per permanent agricultural worker under different types of holdings

The operated area per permanent agricultural worker in various types of holdings in different zones is given below:-

**Table 2.12 Zone-wise operated area per permanent agricultural worker in various types of holdings**  
(Area in hectares)

Particulars	Northern	Central	Western	Southern	Total
1	2	3	4	5	6
<b>A Totally Irrigated holdings</b>					
(i) Area	219.21	150.08	203.60	153.30	726.19
(ii) No. of agricultural workers	163	148	182	143	636
(iii) Operated area per agricultural worker	1.34	1.01	1.12	1.07	1.14
<b>B Partly irrigated holdings</b>					
(i) Area	15.00	23.10	34.00	24.00	96.10
(ii) No. of agricultural workers	13	19	16	12	60
(iii) Operated area per agricultural worker	1.15	1.22	2.13	2.00	1.60
<b>C Unirrigated holdings</b>					
(i) Area	1.21	-	3.20	17.80	22.21
(ii) No. of agricultural workers	3	-	6	10	19
(iv) Operated area per agricultural worker	0.40	-	0.53	1.78	1.17
<b>Total holdings</b>					
(i) Area	235.42	173.18	240.80	195.10	844.50
(ii) No. of agricultural workers	179	167	204	165	715
(iii) Operated area per agricultural worker	1.32	1.04	1.18	1.18	1.18

The perusal of Table 2.12 shows that the total operated area per permanent agricultural worker was 1.18 hectares. The operated area per agricultural worker in case of totally irrigated, partly irrigated and unirrigated holdings was 1.14, 1.60 and 1.17 hectares, respectively during 2003-04. The table further indicates that the northern zone claimed the largest operated area i.e. 1.32 hectares per agricultural worker whereas central zone claimed the smallest area of 1.04 hectares.

## 2.13 Wages of agricultural workers

Average annual /daily wages of a permanent agricultural worker obtained in the four agro-climatic zones is shown in the following table:-

**Table 2.13 Zone-wise wages of a permanent agricultural worker during 2003-04**

Zone	wages paid (In Rs.)	
	Annually (**)	Daily (*)
1	2	3
Northern	21367	86
Central	21334	105
Western	18758	101
Southern	20860	99
Average	20575	98

\* Exclusive of meal, tea, tobacco charges etc.

\*\* Inclusive of meals, tea, tobacco charges etc.

The data given in Table 2.13 shows that during the year 2003-04, total wages paid to a permanent worker for various agricultural operations worked out to Rs. 20575. Besides, the permanent worker was also given meals, tea, tobacco etc. The daily wages paid to an agricultural worker (casual/hired) excluding daily facilities like meals, tea and tabacco were Rs. 98. The daily wages paid to the agricultural worker was the highest (Rs. 105) in central zone and the lowest (Rs. 86) in northern zone.

#### 2.14 Operated area per plough under various types of holdings

The operated area per plough (Bullocks, Camels and Tractors) during the year 2003-04 under different types of holdings based on irrigation facilities in different zones is given in the following table :-

**Table 2.14 Zone-wise operated area per plough under different types of holdings (Bullocks, Camels and Tractors) during the year 2003-04**

Item 1	(Area in hectares)				
	Northern 2	Central 3	Western 4	Southern 5	Total 6
<b>A Totally Irrigated holdings</b>					
(i) Area	219.21	150.08	203.60	153.30	726.19
(ii) No. of plough	292	138	140	200	770
(iii) Operated area per plough	0.75	1.09	1.45	0.77	0.94
<b>B Partly irrigated holdings</b>					
(i) Area	15.00	23.10	34.00	24.00	96.10
(ii) No. of plough	12	26	19	17	74
(iii) Operated area per plough	1.25	0.89	1.79	1.41	1.30
<b>C Unirrigated holdings</b>					
(i) Area	1.21	-	3.20	17.80	22.21
(ii) No. of plough	2	-	-	8	10
(iii) Operated area per plough	0.61	-	-	2.23	2.22
<b>Total holdings</b>					
(i) Area	235.42	173.18	240.80	195.10	844.50
(ii) No. of plough	306	164	159	225	854
(iii) Operated area per plough	0.77	1.06	1.29	0.87	0.99

Note :- One Tractor = 8 Pair of Bullocks

One Camel = 1 Pair of Bullocks

It is revealed from the above table that the operated area per plough during the year 2003-04 taking into account both animal and tractor power worked out to 0.99 hectares. The operated area per plough was highest (2.22 hectares) in case of unirrigated holdings. Among different zones, the figures varied from 0.74 hectares to 1.45 hectares under different types of holdings.

## 2.15 Number of working days per plough under different types of holdings

Table 2.15 shows that a cultivator on an average actually worked with his plough for 50 days during the year 2003-04.

**Table 2.15 Number of working days per plough under various types of holdings during 2003-04**

Type of holdings	Northern	Central	Western	Southern	Total
1	2	3	4	5	6
<b>A Totally Irrigated holdings</b>					
(i) No. of working days	14600	6900	7280	9800	38580
(ii) No. of plough	292	138	140	200	770
(iii) No. of working days per plough	50	50	52	49	50
<b>B Partly irrigated holdings</b>					
(i) No. of working days	540	1248	950	816	3554
(ii) No. of plough	12	26	19	17	74
(iii) No. of working days per plough	45	48	50	48	48
<b>C Unirrigated holdings</b>					
(i) No. of working days	80	-	-	320	400
(ii) No. of plough	2	-	-	8	10
(iv) No. of working days per plough	40	-	-	40	40
<b>D Total (A+B+C)</b>					
(i) No. of working days	15220	8148	8230	10936	42534
(ii) No. of plough	306	164	159	225	854
(iii) No. of working days per plough	50	50	52	49	50

The above table reveals that on an average, a cultivator worked with his plough for 50 days during the year 2003-04. The number of working days per plough was higher 50 days in irrigated holdings than that of unirrigated holdings 40 days. It is also evident from the table that the maximum number of working days per plough was 52 in western zones and minimum 49 in southern zone.

## 2.16 Maintenance cost per pair of bullocks

The break-up of maintenance cost per pair of bullocks is shown in Table 2.16.

**Table 2.16 Zone-wise break up of the maintenance cost per pair of bullocks during 2003-04**

(In Rs.)

Sr.No.	Item	Northern	Central	Western	Southern	Overall average
1	2	3	4	5	6	7
1	Fodder	3196 (33.68)	3137 (29.23)	3175 (36.57)	4000 (33.75)	3377 (29.57)
2	Concentrates	1164 (12.27)	1459 (13.60)	1381 (15.91)	2000 (16.87)	1501 (13.14)
3.	Upkeep labour	3622 (38.17)	4411 (41.11)	3162 (36.42)	5000 (42.19)	4049 (35.45)
4.	Interest & depreciation on capital cost	296 (3.12)	185 (1.72)	224 (2.58)	600 (5.06)	1528 (13.38)
5.	Housing (Cattleshed)	1061 (11.18)	1443 (13.45)	633 (7.29)	252 (2.13)	848 (7.43)
6.	Medical care & miscellaneous	150 (1.58)	96 (0.89)	107 (1.23)	-	118 (1.03)
	Total	9489 (100.00)	10731 (100.00)	8682 (100.00)	11852 (100.00)	11421 (100.00)

It may be observed from Table 2.16 that average maintenance cost per pair of bullocks during 2003-04 was Rs. 11421. The expenditure on fodder and concentrates taken together formed 42.71% of the total maintenance cost. The percentage of upkeep labour and interest on capital investment on bullocks was 35.45 and 13.38, respectively. The expenditure on housing (cattleshed) and medical care was merely 7.43% and 1.03%, respectively. The maintenance cost per pair of bullocks was highest i.e. Rs. 11852 in southern zone and minimum Rs. 8682 in western zone during 2003-04.

Zonal group	Zone	Average maintenance cost per pair of bullocks (Rs.)	Percentage of different components of maintenance cost to the total maintenance cost (%)
Southern	Southern	11852	42.71
Southern	Central	11228	41.63
Southern	Western	8682	39.53
Central	Southern	11021	42.27
Central	Central	10307	39.12
Central	Western	9085	40.98
Western	Southern	11421	42.71
Western	Central	10490	41.33
Western	Western	8482	39.89
<b>Total</b>		<b>10628</b>	<b>41.99</b>
<b>Per cent of different components</b>			
Interest on Capital Investment		13.38	
Upkeep Labour		35.45	
Fodder and Concentrates		42.71	
Housing (Cattleshed)		7.43	
Medical Care		1.03	
Others		0.52	
<b>Average maintenance cost per pair of bullocks (Rs.)</b>		<b>10628</b>	<b>41.99</b>
<b>Percentage of different components of maintenance cost to the total maintenance cost (%)</b>			
<b>Interest on Capital Investment</b>		<b>13.38</b>	<b></b>
<b>Upkeep Labour</b>		<b>35.45</b>	<b></b>
<b>Fodder and Concentrates</b>		<b>42.71</b>	<b></b>
<b>Housing (Cattleshed)</b>		<b>7.43</b>	<b></b>
<b>Medical Care</b>		<b>1.03</b>	<b></b>
<b>Others</b>		<b>0.52</b>	<b></b>

Category	Item	Average maintenance cost per pair of bullocks (Rs.)		Percentage of different components (%)
		Southern	Central	
Interest on Capital Investment	Interest on Capital Investment	1632	1500	13.38
Upkeep Labour	Upkeep Labour	3728	3300	35.45
Fodder and Concentrates	Fodder and Concentrates	4637	4000	42.71
Housing (Cattleshed)	Housing (Cattleshed)	796	700	7.43
Medical Care	Medical Care	122	100	1.03
Others	Others	52	50	0.52
<b>Total</b>				
<b>Interest on Capital Investment</b>		<b>1632</b>	<b>1500</b>	<b>13.38</b>
<b>Upkeep Labour</b>		<b>3728</b>	<b>3300</b>	<b>35.45</b>
<b>Fodder and Concentrates</b>		<b>4637</b>	<b>4000</b>	<b>42.71</b>
<b>Housing (Cattleshed)</b>		<b>796</b>	<b>700</b>	<b>7.43</b>
<b>Medical Care</b>		<b>122</b>	<b>100</b>	<b>1.03</b>
<b>Others</b>		<b>52</b>	<b>50</b>	<b>0.52</b>
<b>Total</b>				
<b>Interest on Capital Investment</b>		<b>1632</b>	<b>1500</b>	<b>13.38</b>
<b>Upkeep Labour</b>		<b>3728</b>	<b>3300</b>	<b>35.45</b>
<b>Fodder and Concentrates</b>		<b>4637</b>	<b>4000</b>	<b>42.71</b>
<b>Housing (Cattleshed)</b>		<b>796</b>	<b>700</b>	<b>7.43</b>
<b>Medical Care</b>		<b>122</b>	<b>100</b>	<b>1.03</b>
<b>Others</b>		<b>52</b>	<b>50</b>	<b>0.52</b>

**CHAPTER-III****ECONOMICS ANALYSIS OF SELECTED HOLDINGS****General**

Efforts have been made to present an overall analysis of input and output per hectare of area of the selected holdings. In this chapter, the profit and loss per hectare of area held and cropped by the cultivators under irrigated and unirrigated holdings have been studied and worked out separately.

**3.1 Gross Income**

Gross income is the total value of the farm produce whether consumed at home, stocked for sale or future use, sold in the market, paid in kind as wages to farm labourers or disposed off in any other way. It consists of the cash value of the produce actually sold and the value of the remaining produce estimated at harvest price prevalent in the village. Crop-wise average gross return per hectare under irrigated and unirrigated holdings has been worked out for each zone separately. The crop-wise and zone-wise average gross income under irrigated and unirrigated holdings have been shown in Tables 3.1(a) and 3.1(b), respectively.

**Table 3.1 (a) Zone-wise average gross income per hectare from different crops in irrigated holdings during 2003-04**

Sr.No.	Crops	Northern	Central	Western	Southern	(In Rs.) Overall average
1	2	3	4	5	6	7
1.	Paddy	30943	31830	25618	24935	30500
2.	Wheat (Grain)	24117	24346	24548	23313	24151
3.	Wheat (Bhusa)	3922	4211	3279	3730	3797
4.	Barley (Grain)	-	5542	12389	18040	15211
5.	Barley (Bhusa)	-	500	2522	2690	2299
6.	Bajra (Grain)	-	7996	6884	6415	6879
7.	Maize (Grain)	10610	-	-	-	10610
8.	Gram (Grain)	-	18000	7072	7824	7448
9.	Gram (Bhusa)	-	400	185	441	229
10.	Other pulses (Grain)	17785	13281	8500	9183	10980
11.	Other pulses (Bhusa)	370	641	231	1080	1346
12.	Cotton (Desi)	-	22855	26474	34000	25825
13.	Cotton (American)	-	31950	34700	-	34604
14.	Cotton (Sticks)	-	427	800	1250	768
15.	Sugarcane	45769	41369	-	55000	45083
16.	Oilseeds (Rape & Mustard)	23599	17475	26437	27276	26031
17.	Green fodder	20273	13628	16620	6960	14889
18.	Stalks of Paddy, Jowar, Bajra, Maize & sugarcane	1153	1248	1520	1760	1492
19.	Other crops	34058	13961	8637	11119	12836

**Table 3.1 (b) Zone-wise average gross income per hectare from different crops in unirrigated holdings during 2003-04**

Sr.No.	Crops	Northern	Central	Western	Southern	(In Rs.) Overall average
1	2	3	4	5	6	7
1.	Paddy	-	-	-	-	-
2.	Wheat (Grain)	19545	15750	-	25200	19649
3.	Wheat (Bhusa)	3100	2500	-	4000	3117
4.	Barley (Grain)	-	1667	7350	9450	7077
5.	Barley (Bhusa)	-	167	900	1000	829
6.	Bajra (Grain)	-	-	6167	4018	5093
7.	Maize (Grain)	11847	-	-	-	11847
8.	Gram (Grain)	-	-	15560	18838	17957
9.	Gram (Bhusa)	-	-	528	1471	1217
10.	Other pulses (Grain)	-	-	-	-	-
11.	Other pulses (Bhusa)	-	-	-	-	-
12.	Cotton (Desi)	-	-	-	-	-
13.	Cotton (American)	-	-	-	-	-
14.	Cotton (Sticks)	-	-	-	-	-
15.	Sugarcane	17500	-	-	-	17500
16.	Oilseeds (Rape & Mustard)	18543	20378	25500	21271	21048
17.	Green fodder	8475	-	-	-	8475
18.	Stalks of Jowar, Bajra, Maize & sugarcane	1272	-	1758	2198	1743
19.	Other crops	-	22500	4250	1581	4033

It may be seen from Tables 3.1(a) & 3.1(b) that the gross return per hectare of major crops of irrigated holdings has an edge over the gross income of unirrigated holdings. The gross return per hectare of sugarcane, paddy, wheat, oilseeds & green fodder of irrigated holdings i.e. Rs. 45083, Rs. 30500, Rs. 24151, Rs. 26031 and Rs. 14889, respectively. The corresponding figures for the unirrigated holdings of oilseeds, green fodder, wheat were Rs. 21048, Rs. 8475 and Rs. 19649, respectively. Group-wise gross income, expenditure and net income per hectare of peasant proprietorship and peasant proprietorship-cum-tenant under irrigated and unirrigated holdings have been presented in Table 3.2.

**Table 3.2 Group-wise gross income, expenditure and net income per hectare of peasant-proprietorship and peasant-proprietorship-cum-tenant under irrigated and unirrigated holdings during 2003-04**

(in Rs.)

Size group of holdings (hectares)	Peasant-proprietorship			Peasant-proprietorship-cum-tenant		
	Gross Income	Expenditure	Net Income	Gross Income	Expenditure	Net Income
1	2	3	4	5	6	7
<b>Irrigated</b>						
Below 2.0	46458	22830	23628	41567	28773	12794
2.0-4.0	46139	24500	21639	48758	31140	17618
4.0-7.5	46857	25660	21197	59049	36422	22627
7.5-10.0	45628	23625	22003	30847	17958	12389
10.0 & above	27064	10579	16485	14883	16356	(-)1473
<b>Average</b>	<b>45079</b>	<b>23752</b>	<b>21327</b>	<b>47109</b>	<b>30082</b>	<b>17027</b>
<b>Unirrigated</b>						
Below 2.0	18835	4711	14124	6169	13236	(-)7067
2.0-4.0	-	-	-	34525	20705	13820
4.0-7.5	16303	11676	4627	-	-	-
7.5-10.0	28310	6005	22305	-	-	-
10.0 & above	-	-	-	-	-	-
<b>Average</b>	<b>21829</b>	<b>7417</b>	<b>14412</b>	<b>26745</b>	<b>18656</b>	<b>8089</b>
<b>Overall average</b>	<b>44397</b>	<b>23273</b>	<b>21124</b>	<b>46414</b>	<b>29692</b>	<b>16722</b>

The figures indicated in Table 3.2 show that gross income per hectare under peasant-proprietorship was highest in the size group of 4.0-7.5 hectares as compared to the other size groups in the irrigated holdings whereas the income per hectare was minimum in the size group of 10.0 hectares & above. In case of unirrigated size group of holdings, the maximum gross income was recorded in the size group of 7.5-10.0 hectares followed by size group of below 2.0 hectares. Similarly, under peasant-proprietorship-cum-tenant holdings the highest gross income was observed in the size group of 4.0-7.5 hectares and above whereas the size group of 2.0-4.0 hectares was on the second position followed by below 2.0 hectares group.

### 3.2 Input-Output analysis of the holdings

The main objective of this study is to find out the input-output ratio under two types of land tenure systems. Before assessing the gross income, expenditure and net income per hectare from cultivation on the sampled holdings, it is worthwhile to explain about the land tenure systems namely peasant proprietorship and peasant proprietorship-cum-tenant prevalent in the state is presented in the following paragraphs:-

#### (A)- Peasant Proprietorship

Peasant proprietorship possesses the right of ownership. He has the right to sell, transfer it by gift, mortgage or pass it on to descendants. He cultivates the land with his own family members. The cost of cultivation under this system includes manual labour (excluding imputed value of wages of family workers and exchange labour), bullocks labour (excluding irrigated value of bullocks, upkeep labour by family workers), seeds, farm yard manure, chemical fertilizers,

irrigation charges (including tubewell electricity bills, canal water charges, repair of tubewell etc), implements and machinery, interest on capital investment (excluding depreciation on capital investment), payments made to artisans, cost of spray of insecticides/pesticides etc and miscellaneous costs (cost of bunding, fencing and land leveling etc). The rental value of owned land has been excluded from this cost.

#### (B) Peasant proprietorship-cum-tenant

Under this system, he acquires some additional land on rent/batai in addition to his own land to supplement his income. The terms and conditions of rent lease i.e. cash or kind depend on local conditions and urgency of his requirements. He is assisted by his family members and seeks hired labour in agricultural operations. The cost of cultivation under this system includes manual labour (excluding imputed value of wages of family workers and exchange labour), bullocks labour (excluding imputed value of upkeep labour), seeds, farm yard manure, chemical fertilizers, irrigation charges (tubewell electricity bills, canal water charges and repairs etc.), implements and machinery, interest on capital investment, payments made to artisans, cost of spray of insecticides/pesticides etc. and miscellaneous costs (cost of bunding, fencing and land leveling etc.) and rental value of leased in land.

The gross income, expenditure and net income per hectare (zone-wise) under peasant proprietorship & peasant proprietorship-cum-tenant system have been calculated separately for irrigated and unirrigated areas and is shown in Table 3.3.

**Table 3.3 Zone-wise net income per hectare of peasant proprietorship and peasant proprietorship-cum-tenant under Irrigated and unirrigated holdings separately during 2003-04**

Zone	Peasant proprietorship			Peasant proprietorship-cum-tenant		
	Gross Income	Expenditure	Net Income	Gross Income	Expenditure	Net return
1	2	3	4	5	6	7
<b>Irrigated</b>						
Northern	56374	34831	21543	64537	41677	22860
Central	44936	22201	24735	47472	30798	16674
Western	42463	16764	25699	41627	20505	21122
Southern	32254	20124	12130	31159	25135	6024
Average	45079	23752	21327	47109	30082	17027
<b>Unirrigated</b>						
Northern	-	-	-	26745	18656	8089
Central	-	-	-	-	-	-
Western	18313	5163	13150	-	-	-
Southern	22461	7823	14638	-	-	-
Average	21829	7417	14412	26745	18656	8089
Overall average	44397	23273	21124	46414	29692	16722

It is observed from the above table that overall average gross income, expenditure and net income per hectare for irrigated and unirrigated areas taken together under peasant proprietorship worked out to Rs. 44397, Rs. 23273 and Rs. 21124, respectively. Under peasant proprietorship-cum-tenant holdings, the average gross income, expenditure and income per hectare for irrigated and unirrigated areas was estimated at Rs. 46414, Rs. 29692 and Rs. 16722, respectively. The table

further shows that gross income in irrigated areas under both land tenant systems was the highest in northern zone whereas the lowest income was recorded in southern zone.

### 3.3 Comparative position of net income under two types of land tenure system

The group wise & zone-wise data regarding net income per hectare under peasant proprietorship & peasant-proprietorship-cum-tenant system of holdings has been worked out in Table 3.4

**Table 3.4 Group-wise and zone-wise net income per hectare according to peasant proprietorship & peasant-proprietorship-cum-tenant system**

A- Group wise	Peasant proprietorship	Peasant proprietorship-cum-tenant
1	2	3
<b>Irrigated</b>		
Below 2.0	23628	12794
2.0-4.0	21639	17618
4.0-7.5	21197	22627
7.5-10.0	22003	12889
10 & above	16485	(-1473)
Average	21327	17027
<b>Unirrigated</b>		
Below 2.0	14124	(-7067)
2.0-4.0	-	13820
4.0-7.5	4627	-
7.5-10.0	22305	-
10 & above	-	-
Average	14412	8089
<b>B- Zone wise</b>		
<b>Irrigated</b>		
Northern	21543	22860
Central	24735	16674
Western	25699	21122
Southern	12130	6024
Average	21327	17027
<b>Unirrigated</b>		
Northern	-	8089
Central	-	11622
Western	13150	-
Southern	14638	-
Average	14412	8089
Overall average	21124	16722

Inferences can be drawn from the above table that the holdings under peasant proprietorship are more profitable than the peasant proprietorship-cum-tenant. The overall average net income per hectare of the operated area of a peasant proprietorship and peasant proprietorship-cum-tenant was Rs. 21124 and Rs. 16722, respectively under different size of groups as well as in zones during 2003-2004.

## CHAPTER - IV

### SUMMARY AND CONCLUSION

The report on 'Economics of Farming in Haryana' provides a comprehensive analysis of a cultivator's farm economy and highlights indepth his gross income, expenditure and net income per hectare of irrigated and unirrigated holdings. Besides, it gives information about the extent of use of improved seeds, agricultural implements and machinery, consumption of chemical fertilizers, labour and employment etc. The present report makes a detailed study of 232 selected holdings under two commonly practised systems of land tenure i.e. peasant proprietorship and peasant proprietorship-cum-tenant.. The main findings of the study are as under :-

1. The total operated area of 232 selected holdings under this study was 844.50 hectares. Out of which, the area under peasant proprietorship and peasant proprietorship-cum-tenant was 706.34 hectares and 138.16 hectares, respectively. The average size of holdings was 3.64 hectares.
2. Out of total 232 selected holdings, 205 holdings (88.36%) were irrigated and 7 holdings (3.02%) were unirrigated. The remaining 20 holdings (8.62%) were partly irrigated. The analysis has further revealed that 93.56% of the area held under selected holdings was irrigated. The average intensity of cropping on irrigated and unirrigated lands of selected holdings worked out to 180.93% and 125.09%, respectively. The overall intensity was 177.33%.
3. The study revealed that the great difference was found in the cropping pattern under irrigated and unirrigated areas. In case of irrigated areas, the percentage of cultivated area under cereals, pulses and cash crops was 60.26, 1.95 and 19.80 as against 35.87, 26.62 and 18.90, respectively in case of unirrigated areas.
4. The study further indicated that 100.00% selected holdings used chemical fertilizers. The average consumption of chemical fertilizers per hectare in irrigated and unirrigated area was 319.22 kgs., and 139.80 kgs., respectively.
5. The total capital investment per hectare was found to be Rs.17941, out of which 55.23% was utilised for agricultural machinery & tubewell/pumping sets and remaining 44.77% on farm building, cattlesheds and draught animals.
6. The average operated area per permanent worker was 1.18 hectares. A permanent hired agricultural worker was paid Rs. 20575 per annum while a casual daily wage worker was given Rs. 98 per day.
7. Average yield per hectare of paddy, wheat, bajra, maize, barley, gram, oilseeds & sugarcane was 4594 kgs., 3869 kgs., 1462 kgs., 1793 kgs., 3000 kgs., 902 kgs., 1620 kgs., and 48735 kgs., respectively on irrigated land as compared to 3259 kgs., yield of wheat, bajra, 1033 kgs. maize 1892 kgs., gram 1392 kgs. oilseeds 1308 kgs., respectively under unirrigated land.
8. The gross income per hectare of different crops like wheat, gram, sugarcane & oilseeds was Rs. 24151, Rs. 7448, Rs. 45083 and Rs. 26031, respectively in irrigated areas. The corresponding figures under wheat, gram & oilseeds crops were Rs. 19649, Rs. 17957 & 21048, respectively in unirrigated areas.

9. The average gross income of peasant proprietor per hectare worked out to Rs. 45079 on irrigated lands as against Rs. 21829 on barani lands and average net income per hectare calculated at Rs. 21327 from irrigated lands as compared to Rs. 14412 from unirrigated lands. In case of peasant proprietorship-cum-tenant holdings, the average gross income per hectare was calculated at Rs. 47109 on irrigated lands as against Rs. 26745 on unirrigated lands. Average net income per hectare worked out to Rs. 17027 from irrigated lands as compared to Rs. 8089 from barani lands.

10. The gross income per hectare of operated area of peasant proprietorship & peasant proprietorship-cum-tenant was Rs. 44397 & Rs. 46414, during the year 2003-2004.

11. The study further concluded that per hectare expenditure realised by the sampled cultivators from farm cultivation was Rs. 23273 & Rs. 29692 respectively under peasant proprietorship & peasant proprietorship-cum-tenant.

12. The net income per hectare of operated area came out to Rs. 21124 & Rs. 16722 under both types of land tenure systems during 2003-04.

**APPENDIX-I****List of Selected Holdings (2003-2004)**

(Area in hectares)

Zone 1	District 2	Holdings 3	Irrigated 4	Unirrigated 5	Total 6
Northern	Ambala	Kodwa Kalan	2.40	-	2.40
		Samlehri	2.40	-	2.40
		Khudda Kalan	0.80	1.60	2.40
		Alipur	2.80	-	2.80
		Bhurewala	2.80	-	2.80
		Sain Majra	2.85	-	2.85
		Keso Pur	1.60	1.60	3.20
		Sullar	3.20	-	3.20
		Kapoori	3.20	-	3.20
		Barara	3.70	-	3.70
		Mohra	5.60	-	5.60
	Panchkula	Patvi	4.40	1.40	5.80
		Madna	0.40	0.20	0.60
		Tiba majra	1.00	-	1.00
		Morni	-	1.21	1.21
		Bharoli	2.40	-	2.40
		Kiratpur	3.20	-	3.20
		Surajpur	3.20	-	3.20
		Garhi Kotaha	3.20	-	3.20
		Barwala	3.80	-	3.80
	Karnal	Bijna	1.50	-	1.50
		Bazidpur	1.51	-	1.51
		Dadupur Roran	1.70	-	1.70
		Fusgarh	2.20	-	2.20
		Uplana	2.40	-	2.40
		Uplana	2.40	-	2.40
		Bazidpur	2.40	-	2.40
		Dadupur Roran	3.00	-	3.00
		Arainpura	3.90	-	3.90
		Padhana	4.80	-	4.80
		Fusgarh	5.00	-	5.00
		Padhane	5.60	-	5.60
	Kurukshetra	Sandholi	2.10	-	2.10
		Bint	2.40	-	2.40
		Dhantori	3.20	-	3.20
		Khanpur Kolian	3.90	-	3.90
		Sarsa	4.15	-	4.15
		Jandhera	4.40	-	4.40
		Kamoda	4.60	-	4.60
		Dadlu	4.80	-	4.80
		Phalsanda Rangran	6.00	-	6.00
		Berhan	6.40	-	6.40
	Panipat	Diwana	1.80	-	1.80
		Jhati Pur	2.00	-	2.00
		Sanoli Kalan	2.20	-	2.20
		Didwari	2.40	-	2.40
		Sanoli Kalan	2.40	-	2.40
		Hathwala	2.40	-	2.40
		Naya Nara	2.80	-	2.80
		Kurar	3.20	-	3.20
		Hathwala	3.20	-	3.20
		Adiyana	6.40	-	6.40

(Area in hectares)

Zone	District	Holdings	Irrigated	Unirrigated	Total
1	2	3	4	5	6
Northern	Yamuna Nagar	Tappria	2.00	-	2.00
		Bhogpur	2.40	-	2.40
		Sabepur	2.40	-	2.40
		Bheel Chhappar	2.90	0.10	3.00
		Jubbal	3.30	-	3.30
		Sarawan	3.40	-	3.40
		Dorrang	4.00	-	4.00
		Radauri	4.80	-	4.80
		Leda khash	6.00	-	6.00
		Gundiana	7.20	-	7.20
		Dariyapur	10.80	-	10.80
		Balachaur	20.00	-	20.00
Total			229.31	6.11	235.42

Zone	District	Holdings	Irrigated	Unirrigated	Total
1	2	3	4	5	6
Central	Jind	Dalamwala	1.10	-	1.10
		Naguran	1.60	-	1.60
		Uchana Khurd	1.70	-	1.70
		Palwan	2.00	-	2.00
		Budha Khera	2.40	-	2.40
		Narwana	2.60	-	2.60
		Khanda	2.60	-	2.60
		Belarkha	3.60	-	3.60
		Kilazafargarh	3.70	-	3.70
		Karsandhu	4.00	-	4.00
		Desh Khera	4.40	-	4.40
		Budha Khera	4.60	-	4.60
		Barah Kalan	4.60	-	4.60
		Bhadurgarh	6.40	-	6.40
	Kaithal	Rajaund	0.60	-	0.60
		Chhot	0.80	-	0.80
		Kharak Pandwan	2.40	-	2.40
		Dhand	3.20	-	3.20
		Barot	3.20	-	3.20
		Mohna	3.60	-	3.60
		Harigarh Kingan	4.00	-	4.00
		Kithana	4.80	-	4.80
		Harigarh Kingan	5.60	-	5.60
		Kharak Pandwan	6.40	-	6.40
	Rohtak	Bhalot	0.80	-	0.80
		Kheri Sampla	1.00	-	1.00
		Bhalot	1.00	-	1.00
		Bhali Anandpur	1.40	0.60	2.00
		Lakhan Majra	2.00	-	2.00
		Madina	2.40	-	2.40
		Madina	2.40	-	2.40
		Kheri Sampla	2.60	-	2.60
		Bhali Anandpur	3.20	0.80	4.00
		Lakhan Majra	12.40	-	12.40
	Jhajjar	Dhandhlan	1.50	-	1.50
		Dhandhlan	1.50	-	1.50
		Matanhel	1.60	-	1.60
		Matanhel	1.60	-	1.60
		Salhawas	2.00	-	2.00
		Salhawas	2.00	-	2.00
		Hasanpur	2.80	-	2.80
		Hasanpur	2.80	-	2.80
		Dulhera	3.20	-	3.20
		Dulhera	2.40	1.20	3.60

Zone	District	Holdings	Irrigated	Unirrigated	Total
1	2	3	4	5	6
Central	Sonipat	Raddhana	0.80	-	0.80
		Ahulana	1.20	-	1.20
		Panchi Jatan	1.20	-	1.20
		Mudiana	1.40	0.40	1.80
		Bhigan	2.20	-	2.20
		Rohat	2.20	-	2.20
		Kheri Dhamkan	2.40	-	2.40
		Jagsi	2.70	0.10	2.80
		Rai	2.80	-	2.80
		Mohana	2.60	0.80	3.40
		Sisana	3.60	-	3.60
		Chitana	4.08	-	4.08
		Gudha	3.90	1.60	5.50
		Kasemda	6.10	-	6.10
		Total	167.68	5.50	173.18

Zone	District	Holdings	Irrigated	Unirrigated	Total
1	2	3	4	5	6
Western	Bhiwani	Chanden	1.60	-	1.60
		Hetam pura	-	1.60	1.60
		Gignow	1.60	-	1.60
		Bhariwas	1.60	-	1.60
		Hetam pura	-	1.60	1.60
		Gignow	1.60	-	1.60
		Jattu Lohari	2.00	-	2.00
		Jattu Lohari	2.00	-	2.00
		Chang	2.00	-	2.00
		Loharwara	2.40	-	2.40
		Bhariwas	2.40	-	2.40
		Chang	3.20	-	3.20
		Loharwara	3.20	-	3.20
		Chanden	3.20	-	3.20
		Sagwan	4.80	-	4.80
		Sagwan	4.80	-	4.80
		Dhani Hunat	3.60	3.60	7.20
		Dhani Hunat	6.80	8.00	14.80
Hisar	Hisar	Litani	1.50	-	1.50
		Majra	1.70	-	1.70
		Chikamwas	2.00	-	2.00
		Data	2.00	-	2.00
		Bhatol Jattan	2.40	-	2.40
		Arya Nagar	2.80	-	2.80
		Pabra	3.00	-	3.00
		Behabalpur	3.25	-	3.25
		Bhatol Jattan	3.60	-	3.60
		Harikot	4.15	-	4.15
		Dhiranwas	4.30	-	4.30
		Ghirai	5.60	-	5.60
		Narnaund	6.80	-	6.80
		Agroha	7.20	0.80	8.00
		Sarsod	8.40	-	8.40
		Kavrale	8.40	-	8.40
		Balawas	9.00	-	9.00
		Moda Khera	12.00	-	12.00
Fatehabad	Fatehabad	Dhabi lalan	1.00	-	1.00
		Kanheri	1.00	-	1.00
		Dariya Pur	1.50	-	1.50
		Jamalpur Sekha	1.60	-	1.60
		Chimo	1.60	-	1.60
		Jhandli khurd	3.20	-	3.20
		Nahla	3.20	-	3.20
		Matana	5.00	-	5.00
		Bhattu Kalan	6.40	-	6.40
		Aharwan	6.80	-	6.80

Zone 1	District 2	Holdings 3	Irrigated 4	Unirrigated 5	Total 6
Western	Sirsa	Malekan	1.00	-	1.00
		Abholi	1.00	-	1.00
		Sultan Puri	1.40	-	1.40
		Umed Pura	2.00	-	2.00
		Bhawdin	2.00	-	2.00
		Sanvat khera	2.80	-	2.80
		Panjharai	3.20	-	3.20
		Nejia Khera	2.40	1.60	4.00
		Jodhka	4.00	-	4.00
		Sahuwala	6.00	-	6.00
		Banwala	6.40	-	6.40
		Odhan	7.20	-	7.20
		Thiraj	8.00	-	8.00
		Chhormar Khera	10.00	-	10.00
Total			223.60	1720	240.80

Zone 1	District 2	Holdings 3	Irrigated 4	Unirrigated 5	Total 6
Southern	Faridabad	Likhī	1.20	-	1.20
		Bhupgarh	1.60	-	1.60
		Prithla	2.40	-	2.40
		Prithla	2.80	-	2.80
		Midkola	3.20	0.40	3.60
		Nacholi	4.00	-	4.00
		Nacholi	4.00	-	4.00
		Likhī	4.40	-	4.40
		Bhupgarh	4.80	-	4.80
		Midkola	5.20	-	5.20
		Sikri	6.60	-	6.60
		Sikri	6.60	-	6.60
		Jamalpur	1.20	-	1.20
		Hassan Pur	1.60	-	1.60
Gurgaon		Hassan Pur	2.00	-	2.00
		Pangwa	2.40	-	2.40
		Khentawas	2.40	-	2.40
		BondaKalan	3.60	-	3.60
		Uchha Majra	4.00	-	4.00
		Alipur	4.40	-	4.40
		Garhi Harshu	3.80	1.00	4.80
		Mandi Khera	3.60	1.20	4.80
		Rewasan	4.80	-	4.80
		Alipur	6.60	-	6.60
		Malab	-	6.60	6.60
		Nasir Was	6.80	-	6.80
		Wazir Pur	7.60	-	7.60
		Bichhor	8.00	-	8.00
Mahendergarh		Mohamadwas	8.00	-	8.00
		Kheri Nuh	-	8.40	8.40
		Uninda	1.00	-	1.00
		Napla	-	1.20	1.20
		God	-	1.60	1.60
		Bhugarka	1.60	-	1.60
		Sehlanga	1.60	-	1.60
		Shaharpur	1.70	-	1.70
		Singhra	3.00	-	3.00
		Riwasa	5.80	-	5.80
		Nangal Nunia	6.40	-	6.40
		Satnali	5.60	5.20	10.80
		Suthana	0.80	-	0.80
		Pahlawas	0.80	-	0.80
Rewari		Palahawas	1.60	-	1.60
		Manethi	1.60	-	1.60
		Manethi	2.40	-	2.40
		Maheshwari	3.20	-	3.20
		Kharkhara	3.20	-	3.20
		Lukhi	3.60	-	3.60
		Nahara	3.60	-	3.60
		Suthana	4.40	-	4.40
		Total	169.50	25.60	195.10

## APPENDIX - II-A

Cropped area, Yield and its Value of crops sown on Irrigated Land (Kharif) 2003-04

Zone	District	Holdings	Paddy			Bara		
			Area (Hects)	Yield (Qtls)	Value (Rs.)	Area (Hects)	Yield (Qtls)	Value (Rs.)
1	2	3	4	5	6	7	8	9
Northern	Ambala	Kodwa Kalan	1.60	100	58000	-	-	-
		Samlehri	1.60	73	49640	-	-	-
		Khudda Kalan	0.60	30	17400	-	-	-
		Alipur	0.80	30	23700	-	-	-
		Bhurewala	1.60	80	46400	-	-	-
		Sain Majra	2.20	180	104400	-	-	-
		Sullar	2.80	105	69100	-	-	-
		Kapoori	2.20	110	63800	-	-	-
		Barara	2.40	155	89900	-	-	-
		Mohra	4.60	138	98350	-	-	-
Panchkula	Panchkula	Patvi	2.20	97	68600	-	-	-
		Keso pur	1.60	60	34800	-	-	-
		Madna	0.20	3	5100	-	-	-
		Tiba majra	1.00	50	29000	-	-	-
		Bharoli	0.10	4	2552	-	-	-
		Kiratpur	0.30	9	5220	-	-	-
		Surajpur	-	-	-	-	-	-
		Garhi Kotaha	1.40	112	64960	-	-	-
		Barwala	3.00	175	101500	-	-	-
		Bijna	2.20	111	49939	-	-	-
Karnal	Karnal	Bazidpur	0.91	48	25440	-	-	-
		Dadupur Roran	1.20	66	36300	-	-	-
		Fusgarh	1.50	49	34300	-	-	-
		Uplana	2.20	120	69500	-	-	-
		Uplana	2.30	110	63800	-	-	-
		Bazidpur	1.80	89	44950	-	-	-
		Dadupur Roran	2.80	76	69520	-	-	-
		Arainpura	2.40	95	50400	-	-	-
		Padhana	4.00	171	112128	-	-	-
		Fusgarh	3.00	190	70300	-	-	-
Kurukshetra	Kurukshetra	Padhana	4.50	160	104000	-	-	-
		Sandholi	2.00	110	56650	-	-	-
		Bint	2.00	98	54880	-	-	-
		Dhantori	3.00	201	116982	-	-	-
		Khanpur Kolian	3.50	104	60320	-	-	-
		Sarsa	4.15	120	132000	-	-	-
		Jandhera	2.00	100	80000	-	-	-
		Kamoda	4.20	184	125120	-	-	-
		Dadlu	3.80	187	105000	-	-	-
		Phalsanda Rangran	2.40	132	76560	-	-	-
Panipat	Panipat	Berhan	1.60	94	54160	-	-	-
		Diwana	1.60	72	57600	-	-	-
		Jhati Pur	1.80	90	81000	-	-	-
		Sanoli Kalan	2.20	90	72000	-	-	-
		Didwari	2.00	90	72000	-	-	-
		Sanoli Kalan	2.20	85	68850	-	-	-
		Hathwala	2.00	100	58000	-	-	-
		Naya Nara	2.80	84	96600	-	-	-
		Kurana	3.00	90	97000	-	-	-
		Hathwala	1.60	80	64000	-	-	-
		Adiyana	6.00	300	243000	-	-	-

Zone	District	Holdings	Paddy			Bajra		
			Area (Hects)	Yield (Qtls)	Value (Rs.)	Area (Hects)	Yield (Qtls)	Value (Rs.)
1	2	3	4	5	6	7	8	9
Northern	Yamuna Nagar	Tappria	1.72	110	63800	-	-	-
		Bhogpur	1.40	70	61250	-	-	-
		Sabepur	0.90	34	22100	-	-	-
		Bheel Chhappar	0.80	40	23200	-	-	-
		Jubbal	1.80	63	45000	-	-	-
		Sarawan	2.40	150	87000	-	-	-
		Dorrang	1.20	55	44000	-	-	-
		Radauri	1.80	73	48290	-	-	-
		Leda khash	1.20	75	43500	-	-	-
		Gundiana	2.00	100	80000	-	-	-
		Dariyapur	5.20	200	118000	-	-	-
		Balachaur	10.00	625	362500	-	-	-





Cotton (American)			Cotton Sticks	Sugarcane (Cane & Seed)		
Area (Hects)	Yield (Qtls)	Value (Rs.)	Value (Rs.)	Area (Hects)	Yield (Qtls)	Value (Rs.)
21	22	23	24	25	26	27
-	-	-	-	-	-	-
-	-	-	-	1.20	678	56015
-	-	-	-	0.40	175	12250
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	0.60	250	22500
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	0.20	3	7200
-	-	-	-	0.50	175	14875
-	-	-	-	-	-	-
-	-	-	-	0.60	400	36000
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	1.80	1125	101250
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	2.00	1500	133500
-	-	-	-	0.40	270	28620
-	-	-	-	3.20	2210	234260
-	-	-	-	4.40	3450	327750
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	0.30	200	11500
-	-	-	-	-	-	-
-	-	-	-	1.60	900	84600
-	-	-	-	-	-	-

Cotton (American)			Cotton Sticks		Sugarcane (Cane & Seed)		
Area (Hects)	Yield (Qtls)	Value (Rs.)	Value (Rs.)		Area (Hects)	Yield (Qtls)	Value (Rs.)
21	22	23	24		25	26	27
-	-	-	-	0.20	135	10800	36.0
-	-	-	-	0.80	500	45000	32.0
-	-	-	-	0.80	300	27000	32.0
-	-	-	-	0.80	150	12000	32.0
-	-	-	-	1.00	450	40500	32.0
-	-	-	-	0.60	250	17500	32.0
-	-	-	-	4.00	950	85500	32.0
-	-	-	-	2.40	900	81000	32.0
-	-	-	-	4.00	2000	180000	32.0
-	-	-	-	6.00	2700	234000	32.0
-	-	-	-	4.80	2000	170000	32.0
-	-	-	-	8.80	4200	378000	32.0

<u>Green Fodder</u>		<u>Stalks of Paddy,Jowar, Bajra, Maize and Sugarcane</u>	<u>Other Crops</u>	
Area (Hects)	Value (Rs.)	Value (Rs.)	Area (Hects)	Value (Rs.)
28	29	30	31	32
0.40	300	4000	-	-
0.20	6400	1500	-	-
-	-	1000	-	-
0.20	2000	5000	0.20	-
0.40	3500	4500	-	-
0.20	2500	-	-	-
0.40	9500	2800	-	-
0.40	4000	1000	-	-
0.60	3000	2500	-	-
0.40	8000	-	0.60	5500
0.80	8000	12450	-	-
-	-	1000	-	-
-	-	750	-	-
0.70	4000	3500	-	-
1.85	20000	4125	-	-
2.50	20000	750	-	-
0.40	6400	5000	-	-
0.50	8000	-	-	-
0.10	1600	-	-	-
0.60	7000	-	-	-
0.50	8000	-	-	-
0.30	4100	2500	-	-
0.20	4000	-	-	-
0.10	1600	-	-	-
0.60	6000	-	-	-
0.20	3000	3000	-	-
0.70	6000	-	-	-
0.40	6400	-	0.40	10000
0.20	3200	10000	-	-
1.00	13000	-	-	-
0.10	1000	400	-	-
0.40	8000	-	-	-
0.20	4000	-	-	-
0.40	8000	-	-	-
0.15	2500	1500	-	-
0.40	8000	15000	-	-
0.40	4000	-	-	-
0.60	6000	8000	-	-
0.40	8000	-	-	-
0.40	8000	24000	-	-
0.20	4000	-	-	-
0.20	2500	-	-	-
-	-	-	-	-
0.40	3000	-	-	-
0.20	5000	-	-	-
0.10	1600	-	-	-
-	-	2000	-	-
0.20	3000	-	-	-
-	-	11000	-	-
0.40	8000	-	-	-

Green Fodder		Stalks of Paddy,Jowar, Bajra, Maize and Sugarcane		Other Crops	
Area (Hects)	Value (Rs.)		Value (Rs.)	Area (Hects)	Value (Rs.)
28	29		30	31	32
0.04	1000		1750	0.08	1725
0.20	5000		7500	-	-
0.30	7500		5000	0.10	1200
1.30	24000		2500	-	-
0.20	5000		4000	0.30	20000
0.40	10000		4000	-	-
0.40	10000		5000	-	-
0.60	12500		5000	-	-
0.80	20000		17500	-	-
0.40	10000		15000	-	-
0.80	20000		15000	-	-
0.95	30000		20000	-	-

  

0.04	0.01	0.02	0.03	0.05	0.06
0.05	0.02	0.04	0.06	0.08	0.09
0.06	0.03	0.05	0.07	0.10	0.11
0.07	0.04	0.06	0.08	0.12	0.13
0.08	0.05	0.07	0.09	0.14	0.15
0.09	0.06	0.08	0.10	0.16	0.17
0.10	0.07	0.09	0.11	0.18	0.19
0.11	0.08	0.10	0.12	0.20	0.21
0.12	0.09	0.11	0.13	0.22	0.23
0.13	0.10	0.12	0.14	0.24	0.25
0.14	0.11	0.13	0.15	0.26	0.27
0.15	0.12	0.14	0.16	0.28	0.29
0.16	0.13	0.15	0.17	0.30	0.31
0.17	0.14	0.16	0.18	0.32	0.33
0.18	0.15	0.17	0.19	0.34	0.35
0.19	0.16	0.18	0.20	0.36	0.37
0.20	0.17	0.19	0.21	0.38	0.39
0.21	0.18	0.20	0.22	0.40	0.41
0.22	0.19	0.21	0.23	0.42	0.43
0.23	0.20	0.22	0.24	0.44	0.45
0.24	0.21	0.23	0.25	0.46	0.47
0.25	0.22	0.24	0.26	0.48	0.49
0.26	0.23	0.25	0.27	0.50	0.51
0.27	0.24	0.26	0.28	0.52	0.53
0.28	0.25	0.27	0.29	0.54	0.55
0.29	0.26	0.28	0.30	0.56	0.57
0.30	0.27	0.29	0.31	0.58	0.59
0.31	0.28	0.30	0.32	0.60	0.61
0.32	0.29	0.31	0.33	0.62	0.63
0.33	0.30	0.32	0.34	0.64	0.65
0.34	0.31	0.33	0.35	0.66	0.67
0.35	0.32	0.34	0.36	0.68	0.69
0.36	0.33	0.35	0.37	0.70	0.71
0.37	0.34	0.36	0.38	0.72	0.73
0.38	0.35	0.37	0.39	0.74	0.75
0.39	0.36	0.38	0.40	0.76	0.77
0.40	0.37	0.39	0.41	0.78	0.79
0.41	0.38	0.40	0.42	0.80	0.81
0.42	0.39	0.41	0.43	0.82	0.83
0.43	0.40	0.42	0.44	0.84	0.85
0.44	0.41	0.43	0.45	0.86	0.87
0.45	0.42	0.44	0.46	0.88	0.89
0.46	0.43	0.45	0.47	0.90	0.91
0.47	0.44	0.46	0.48	0.92	0.93
0.48	0.45	0.47	0.49	0.94	0.95
0.49	0.46	0.48	0.50	0.96	0.97
0.50	0.47	0.49	0.51	0.98	0.99
0.51	0.48	0.50	0.52	1.00	1.01
0.52	0.49	0.51	0.53	-	-
0.53	0.50	0.52	0.54	-	-
0.54	0.51	0.53	0.55	-	-
0.55	0.52	0.54	0.56	-	-
0.56	0.53	0.55	0.57	-	-
0.57	0.54	0.56	0.58	-	-
0.58	0.55	0.57	0.59	-	-
0.59	0.56	0.58	0.60	-	-
0.60	0.57	0.59	0.61	-	-

Zone	District	Holdings	Paddy			Bara		
			Area (Hects)	Yield (Qtls)	Value (Rs.)	Area (Hects)	Yield (Qtls)	Value (Rs.)
1	2	3	4	5	6	7	8	9
Central	Sonipat	Raddhana	0.70	28	23100	-	-	-
		Ahulana	-	-	-	1.00	22	11110
		Panchi Jatan	0.80	40	32000	-	-	-
		Mudiana	-	-	-	-	-	-
		Bhigan	1.80	90	76500	-	-	-
		Rohat	2.00	120	108000	-	-	-
		Kheri Dhamkan	1.70	65	52650	-	-	-
		Jagsi	1.20	36	39600	-	-	-
		Rai	2.00	72	78800	-	-	-
		Mohana	-	-	-	-	-	-
		Sisana	-	-	-	0.40	10	6000
		Chitana	1.00	40	34000	-	-	-
		Gudha	1.20	35	42000	-	-	-
		Kasemda	1.70	80	68000	1.20	20	10100









Green Fodder		Stalks, Rice,Jowar, Bajra, Maize and Sugarcane ,		Other Crops	
Area (Hects)	Value (Rs.)		Value (Rs.)	Area (Hects)	Value (Rs.)
28	29	30	31	32	
-	-	3000	-	-	-
0.20	4000	400	-	-	-
0.40	7000	1000	-	-	-
0.40	8000	2000	-	-	-
-	-	2500	-	-	-
0.60	5000	3000	0.40	-	-
0.20	2000	3000	-	-	-
0.60	15000	1600	-	-	-
1.10	10000	180	1.10	5200	
0.20	1600	-	-	-	-
0.20	4000	600	-	-	-
1.20	24000	300	-	-	-
1.20	12000	4500	-	-	-
0.50	9000	6500	-	-	-
0.20	4000	1500	-	-	-
0.20	4000	500	-	-	-
0.20	4000	1000	-	-	-
0.40	8000	1000	-	-	-
0.40	8000	1000	-	-	-
0.40	8000	-	-	-	-
0.40	8000	1000	-	-	-
0.80	12000	4200	-	-	-
0.40	8000	2000	-	-	-
0.20	4000	2000	-	-	-
0.80	6400	-	-	-	-
0.20	700	-	0.40	-	-
0.60	24000	3750	-	-	-
0.40	7500	5000	-	-	-
1.80	3200	800	-	-	-
0.60	12000	800	-	-	-
-	-	7500	-	-	-
1.20	3000	1200	1.00	5700	
0.80	15000	10000	-	-	-
3.00	6000	50	3.20	3000	
0.20	-	500	-	-	-
0.70	5000	500	-	-	-
-	-	540	0.40	6400	
-	-	800	-	-	-
-	-	3800	1.20	14400	
-	-	4000	0.80	8000	
0.40	4140	1270	0.40	3690	
1.40	17850	630	-	-	-
-	-	1200	-	-	-
0.80	14000	1000	-	-	-

Green Fodder		Stalks, Rice,Jowar, Bajra, Maize and Sugarcane .		Other Crops	
Area (Hects)	Value (Rs.)		Value (Rs.)	Area (Hects)	Value (Rs.)
28	29		30	31	32
0.10	2000		800	-	-
0.20	2000		1600	-	-
0.40	8000		2000	-	-
0.60	7500		-	-	-
0.40	6000		1000	-	-
0.20	3000		4000	-	-
0.70	6000		3500	-	-
1.40	17500		2400	-	-
0.40	5000		2500	0.40	19000
0.40	5000		-	1.20	24000
0.60	6000		8600	-	-
0.40	5000		2500	1.20	2400
1.30	17000		-	-	-
1.20	13500		4800	-	-

Zone	District	Holdings	Paddy			Bajra		
			Area (Hects)	Yield (Qtls)	Value (Rs.)	Area (Hects)	Yield (Qtls)	Value (Rs.)
1	2	3	4	5	6	7	8	9
Western	Bhiwani	Chandeni	-	-	-	1.60	24	12000
		Hetam pura	-	-	-	-	-	-
		Gignow	-	-	-	0.80	4	2020
		Bhariwas	-	-	-	-	-	-
		Hetam pura	-	-	-	-	-	-
		Gignow	-	-	-	0.80	12	6060
		Jattu Lohari	-	-	-	-	-	-
		Jattu Lohari	-	-	-	-	-	-
		Chang	-	-	-	-	-	-
		Loharwara	-	-	-	1.20	36	18000
		Bhariwas	-	-	-	0.80	6	3000
		Chang	-	-	-	-	-	-
		Loharwara	-	-	-	2.40	70	35000
		Chandeni	-	-	-	1.60	32	12800
		Sagwan	-	-	-	2.40	12	6060
		Sagwan	-	-	-	2.40	16	8080
		Dhani Hunat	-	-	-	-	-	-
		Dhani Hunat	-	-	-	2.40	24	12000
Hisar	Litani	Litani	-	-	-	-	-	-
		Majra	1.60	47	62275	-	-	-
		Chikanwas	-	-	-	0.80	7	3150
		Data	-	-	-	0.40	6	2700
		Bhatol Jattan	-	-	-	0.80	10	4500
		Arya Nagar	-	-	-	0.80	12	5400
		Pabra	-	-	-	0.40	8	3600
		Behabalpur	-	-	-	2.20	12	5400
		Bhatol Jattan	-	-	-	0.80	6	2700
		Harikot	-	-	-	0.95	16	7200
		Dhiranwas	-	-	-	1.30	22	11110
		Ghirai	-	-	-	1.20	16	7200
		Narnaund	5.40	240	196800	-	-	-
		Agroha	-	-	-	1.20	55	22000
Fatehabad	Kanheri	Sarsod	-	-	-	0.80	10	4500
		Kavrale	-	-	-	0.80	20	10100
		Balawas	-	-	-	2.00	12	6000
		Moda Khera	-	-	-	1.20	16	7200
		Dhabi lalan	-	-	-	0.40	6	3000
		Kanheri	0.80	52	30160	-	-	-
		Dariya Pur	-	-	-	-	-	-
		Jamalpur Sekha	1.40	52	26000	-	-	-
		Chimo	1.40	91	52780	-	-	-
		Jhandli khurd	-	-	-	0.80	12	6000
	Nahla	Nahla	-	-	-	0.80	20	10000
		Matana	-	-	-	-	-	-
		Bhattu Kalan	-	-	-	-	-	-
		Aharwan	6.20	310	210000	-	-	-

Zone	District	Holdings	Paddy			Bajra		
			Area (Hects)	Yield (Qtls)	Value (Rs.)	Area (Hects)	Yield (Qtls)	Value (Rs.)
1	2	3	4	5	6	7	8	9
Western	Sirsia	Malekan	-	-	-	-	-	-
		Abholi	-	-	-	-	-	-
		Sultan Puri	-	-	-	-	-	-
		Umed Pura	-	-	-	-	-	-
		Bhawdin	-	-	-	-	-	-
		Sanvat khera	-	-	-	-	-	-
		Panihari	-	-	-	-	-	-
		Nejia Khera	-	-	-	-	-	-
		Jodhka	2.80	195	113100	-	-	-
		Sahuwala	-	-	-	0.40	4	2000
		Banwala	-	-	-	0.60	5	2500
		Odhan	-	-	-	-	-	-
		Thiraj	-	-	-	-	-	-
		Chhormar Khera	-	-	-	-	-	-





Cotton (American)			Cotton Sticks	Sugarcane (Cane & Seed)		
Area (Hects)	Yield (Qtls)	Value (Rs.)	Value (Rs.)	Area (Hects)	Yield (Qtls)	Value (Rs.)
21	22	23	24	25	26	27
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	1500	-	-	-
-	-	-	1500	-	-	-
-	-	-	1500	-	-	-
-	-	-	-	-	-	-
-	-	-	2000	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	500	-	-	-
-	-	-	600	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
0.95	25	69000	1500	-	-	-
-	-	-	-	-	-	-
0.40	3	7350	250	-	-	-
2.80	8	19200	750	-	-	-
0.20	1	2460	40	-	-	-
0.80	7	17500	200	-	-	-
1.60	12	33600	400	-	-	-
-	-	-	-	-	-	-
0.40	2	4900	400	-	-	-
0.80	8	20000	360	-	-	-
-	-	-	800	-	-	-
3.20	28	75600	3000	-	-	-
-	-	-	-	-	-	-
4.00	37	98050	2900	-	-	-
2.50	17	42245	700	-	-	-
4.00	80	216000	4500	-	-	-
-	-	-	-	-	-	-
3.20	32	76800	3900	-	-	-
0.20	2	5000	-	-	-	-
-	-	-	-	-	-	-
1.20	20	50000	1250	-	-	-
-	-	-	-	-	-	-
0.80	3	7500	400	-	-	-
2.00	32	80000	1500	-	-	-
2.80	50	127500	3000	-	-	-
3.20	40	100000	-	-	-	-



Green Fodder		Stalks of Rice, Jowar, Bajra, Maize & Sugarcane		Other Crops	
Area (Hects)	Value (Rs.)	-	Value (Rs.)	Area (Hects)	Value (Rs.)
28	29	30	31	32	
-	-	3000	-	-	-
-	-	-	-	-	-
-	-	1600	0.80	4000	-
-	-	700	1.60	10725	-
-	-	-	-	-	-
-	-	2400	0.80	4000	-
0.40	10000	-	-	-	-
0.40	10000	-	-	-	-
-	-	-	-	-	-
-	-	2280	1.20	5600	-
-	-	1780	1.60	25600	-
0.80	8400	-	-	-	-
-	-	3740	0.80	4800	-
-	-	2600	1.60	8000	-
-	-	2200	0.80	5600	-
-	-	2000	0.80	6400	-
-	-	1000	2.00	8500	-
-	-	3400	2.00	8500	-
0.55	8000	-	-	-	-
0.10	2000	-	-	-	-
0.40	3500	2940	0.40	5800	-
0.40	4000	560	-	-	-
0.40	4500	960	-	-	-
0.10	1250	4800	1.10	10500	-
0.60	12000	1500	-	-	-
0.05	1500	3000	-	-	-
0.40	4250	560	-	-	-
0.40	6000	1120	1.10	23300	-
0.50	4000	2000	-	-	-
0.40	6000	2250	-	-	-
1.20	24000	-	-	-	-
0.40	4200	6550	1.20	12600	-
0.30	8000	2410	1.20	3200	-
0.40	3600	11960	3.20	62000	-
-	-	3500	4.80	5000	-
0.40	4500	11000	6.40	69000	-
0.20	3000	1000	0.20	3400	-
0.20	4500	1000	-	-	-
-	-	-	-	-	-
0.20	4000	-	-	-	-
0.20	4000	-	-	-	-
0.20	4000	1800	1.40	4800	-
0.40	9000	2000	-	-	-
0.20	3000	1280	2.00	12800	-
0.40	7000	1500	1.60	8500	-
0.60	12000	-	-	-	-

Green Fodder		Stalks of Rice, Jowar, Bajra, Maize & Sugarcane		Other Crops	
Area (Hects)	Value (Rs.)		Value (Rs.)	Area (Hects)	Value (Rs.)
28	29	30	31	32	
0.20	4000	-	-	-	-
0.20	3000	560	0.80	7600	
0.10	800	350	0.50	4500	
0.10	1600	640	1.10	7200	
0.20	3000	450	0.60	5400	
0.20	3000	1400	1.20	12600	
0.40	5000	-	-	-	-
0.20	2000	600	0.60	7520	
0.10	1100	-	-	-	-
0.40	5000	1000	-	-	-
0.20	3000	3200	3.60	31500	
0.40	5000	560	0.80	8000	
0.40	5000	2080	2.00	23400	
0.80	10000	4800	5.80	4800	

Zone	District	Holdings	Paddy			Bajra		
			Area (Hects)	Yield (Qtls)	Value (Rs.)	Area (Hects)	Yield (Qtls)	Value (Rs.)
1	2	3	4	5	6	7	8	9
Southern	Faridabad	Likhi	-	-	-	0.40	7	3500
		Bhupgarh	-	-	-	-	-	-
		Prithla	-	-	-	-	-	-
		Prithla	-	-	-	-	-	-
		Midkola	-	-	-	-	-	-
		Nacholi	2.00	80	57200	-	-	-
		Nacholi	2.00	85	62900	-	-	-
		Likhi	0.80	12	7200	0.40	60	4000
		Bhupgarh	0.80	20	9000	0.40	4	2400
		Midkola	4.40	225	130500	-	-	-
		Sikri	-	-	-	-	-	-
		Sikri	0.40	5	2500	-	-	-
	Gurgaon	Jamalpur	-	-	-	1.04	18	9000
		Hassan Pur	-	-	-	1.00	8	4040
		Hassan Pur	-	-	-	1.20	18	9090
		Pangwa	-	-	-	-	-	-
		Khentawas	-	-	-	-	-	-
		Bonda Kalan	-	-	-	1.20	15	7575
		Uchha Majra	-	-	-	2.00	28	14140
		Alipur	-	-	-	2.40	40	20200
		Garhi Harshu	-	-	-	0.80	8	3600
		Mandi Khera	-	-	-	0.40	5	2525
		Rewasan	0.40	-	-	-	-	-
		Alipur	-	-	-	2.96	50	25250
		Malab	-	-	-	-	-	-
		Nasir Was	-	-	-	0.60	10	5050
		Wazir Pur	-	-	-	-	-	-
		Bichhor	-	-	-	-	-	-
		Mohamadwas	-	-	-	2.80	60	27000
		Kheri Nuh	-	-	-	-	-	-
	Mahendergarh	Uninda	-	-	-	0.40	2	1010
		Napla	-	-	-	-	-	-
		God	-	-	-	-	-	-
		Bhugarka	-	-	-	0.80	20	10100
		Sehlanga	-	-	-	0.60	12	6120
		Shaharpur	-	-	-	0.90	16	8080
		Singhra	-	-	-	1.00	20	10100
		Riwasa	-	-	-	2.30	12	6000
		Nangal Nunia	-	-	-	0.80	20	10100
		Satnali	-	-	-	2.80	15	7575
	Rewari	Suthana	-	-	-	0.60	10	5050
		Pahlawas	-	-	-	0.80	-	-
		Pahlawas	-	-	-	-	-	-
		Manethi	-	-	-	1.20	10	5000
		Manethi	-	-	-	1.60	13	6500
		Mahesheari	-	-	-	1.00	16	8080
		Kharkhara	-	-	-	3.20	26	13130
		Lukhi	-	-	-	0.90	6	3000
		Nahara	-	-	-	1.20	4	2020
		Surhana	-	-	-	1.80	28	14140





Green Fodder		Stalks, Rice, Jowar, Bajra, Maize and Sugarcane	Other Crops	
Area (Hects)	Value (Rs.)		Area (Hects)	Value (Rs.)
28	29	30	31	32
0.40	5000	450	-	-
1.60	10000	-	-	-
-	-	10500	2.40	2400
-	-	7000	2.80	2800
2.40	-	-	-	-
1.20	12000	-	-	-
1.20	10000	-	-	-
2.00	25000	3000	0.40	15000
1.70	8000	4500	-	-
0.80	-	-	-	-
4.80	8000	-	-	-
1.80	16000	1000	-	-
-	-	2500	-	-
0.20	3000	1200	0.40	9000
0.20	2500	4000	0.20	4500
-	-	-	-	-
0.80	5000	6000	2.00	2400
-	-	5000	0.80	17000
0.30	3000	6000	-	-
0.40	6000	2000	0.80	7000
1.20	12000	2000	-	-
1.20	4000	800	3.20	1800
3.64	20000	9000	-	-
-	-	-	-	-
3.30	22000	3000	1.90	144000
0.40	6000	-	7.20	60000
-	-	40000	2.40	2600
-	-	300	-	-
-	-	-	-	-
-	-	2125	0.40	2700
-	-	750	-	-
-	-	800	-	-
-	-	4000	-	-
-	-	1100	0.40	2700
0.30	1500	1200	-	-
-	-	4500	2.80	18000
0.20	4000	1500	-	-
-	-	180	-	-
-	-	2250	-	-
-	-	3000	-	-
-	-	32200	1.00	4400
-	-	4200	-	-
-	-	1020	1.00	1800
0.80	12000	1200	-	-
-	-	3750	-	-

## APPENDIX - II-B

Cropped area, Yield and its Value of crops sown on Unirrigated land (Kharif) 2003-04

Zone	District	Holdings	Paddy			Bajra		
			Area (Hects)	Yield (Qtls)	Value (Rs.)	Area (Hects)	Yield (Qtls)	Value (Rs.)
1	2	3	4	5	6	7	8	9
Northern	Ambala	Samleheri	-	-	-	-	-	-
		Khudda kalan	-	-	-	-	-	-
		Keso pur	-	-	-	-	-	-
		Patvi	-	-	-	-	-	-
Central	Panchkula	Madna	-	-	-	-	-	-
		Morni	-	-	-	-	-	-
		Bhali Anandpur	-	-	-	-	-	-
		Dulehra	-	-	-	-	-	-
Western	Bhiwani	Mudlana	-	-	-	-	-	-
		Jagsi	-	-	-	-	-	-
		Mohana	-	-	-	-	-	-
		Gudha	-	-	-	-	-	-
		Hatempura	-	-	-	1.60	25	12500
		Hatempura	-	-	-	1.60	25	12500
Southern	Hisar	Dhani Hunat	-	-	-	2.00	20	10000
		Dhani Hunat	-	-	-	-	-	-
		Agroha	-	-	-	0.80	5	2000
		Nejjia Khera	-	-	-	-	-	-
	Sirsa	Faridabad	Madkola	-	-	-	-	-
		Gurgaon	Garhi Harshu	-	-	-	-	-
	Mahendergarh	Mandi Khera	-	-	-	-	-	-
		Malab	-	-	-	0.40	4	1600
		Kheri Nuh	-	-	-	0.40	4	1800
		Napla	-	-	-	1.20	15	7575
		God	-	-	-	0.40	6	3030
		Satnali	-	-	-	3.60	20	10100







## APPENDIX - III-A

Cropped area, Yield and its Value of crops sown on Irrigated Land (Rabi) 2003-04

Zone	District	Holdings	Wheat			Wheat (Bhusa)	
			Area (Hects)	Yield (Qtls)	Value (Rs.)	Yield (Qtls)	Value (Rs.)
1	2	3	4	5	6	7	8
Northern	Ambala	Kodwa Kalan	2.00	85	53550	85	8500
		Samlehari	1.20	30	18900	30	3000
		Khudda Kalan	0.20	12	7560	12	1200
		Alipur	2.00	90	56700	60	7500
		Bhurewala	2.20	60	37800	50	5000
		Sain Majra	2.20	100	63000	100	12500
		Sullar	2.80	105	66150	85	10200
		Kapoori	3.00	112	70560	96	9600
		Barara	2.40	132	83160	78	10140
		Mohra	3.60	150	94500	150	15000
		Patyi	1.60	60	37800	60	7500
		Madna	0.40	6	3900	6	900
Panchkula	Panchkula	Tiba majra	0.40	7	4410	7	700
		Bharoli	1.40	20	12400	20	2000
		Kiratpur	3.00	23	14500	25	4250
		Surajpur	2.70	20	12600	20	3400
		Garhi Kotaha	2.80	135	85050	135	13500
		Barwala	2.80	98	61740	98	9800
		Bijna	1.40	53	33390	53	7000
		Bazidpur	1.51	64	40320	-	-
		Dadupur Roran	1.50	65	40950	65	7500
		Fusgarh	1.40	48	30240	36	5400
		Uplana	2.20	88	55440	88	11000
Karnal	Karnal	Uplana	2.30	90	56700	90	11500
		Bazidpur	1.50	68	42840	68	7500
		Dadupur Roran	2.80	125	78750	125	14000
		Arainpura	3.30	124	78120	124	14880
		Padhana	3.60	144	90720	144	18000
		Fusgarh	3.00	120	75600	120	13500
		Padhana	4.20	168	105840	168	25200
		Sandholi	2.00	60	37800	60	6000
		Bint	1.80	50	31500	50	5000
		Dhantori	2.80	160	10800	160	16000
Kurukshetra	Kurukshetra	Khanpur Kolian	3.10	65	40950	60	6000
		Sarsa	4.00	160	100800	160	16000
		Jandhera	0.80	36	22680	36	5400
		Kamoda	4.20	119	75000	119	11900
		Dadlu	3.80	152	95760	100	10000
		Phalsanda Rangran	1.20	57	35910	58	6840
		Berhan	0.80	28	17640	30	4500
		Diwana	1.60	75	47250	75	7500
		Jhati Pur	1.80	85	53550	85	8500
Panipat	Panipat	Sanoli Kalan	2.20	100	63000	100	12500
		Didwari	2.20	60	37800	70	7000
		Sanoli Kalan	2.30	80	50400	80	10000
		Hathwala	2.00	80	49600	40	4000
		Naya Nara	2.80	112	70560	112	11200
		Kurana	3.00	160	100800	150	15000
		Hathwala	3.20	148	93240	148	14800
		Adiyana	6.00	215	135450	215	21500

Zone	District	Holdings	Wheat			Wheat (Bhusa)	
			Area (Hects)	Yield (Qtls)	Value (Rs.)	Yield (Qtls)	Value (Rs.)
1	2	3	4	5	6	7	8
Northern	Yamuna Nagar	Tappria	0.40	16	10080	16	1600
		Bhogpur	1.40	50	31500	50	5000
		Sabepur	0.40	20	12600	10	1500
		Bheel Chhappar	2.20	60	37800	60	6000
		Jubbal	2.50	80	50400	80	8000
		Sarwan	1.40	70	44100	70	7000
		Dorrang	2.00	65	40950	65	6500
		Radauri	2.20	65	40950	65	6500
		Leda khash	3.20	120	75600	120	12000
		Gundiana	3.20	120	75600	120	12000
		Dariyapur	4.00	120	75600	120	12000
		Balachaur	10.00	550	346500	500	50000





Pulses			Pulses (Bhusa)			Oilseeds			Green Fodder			Other crops	
Area (Hects)	Yield (Qtls)	Value (Rs.)	Yield (Qtls)	Value (Rs.)	Area (Hects)	Yield (Qtls)	Value (Rs.)	Area (Hects)	Value (Qtls)	Area (Hects)	Value (Rs.)	Area (Hects)	Value (Rs.)
19	20	21	22	23	24	25	26	27	28	29	30		
								0.40	7700				
0.20	0.04	720	5	500				0.40	12000				
								0.20	9000	0.40	18060		
					0.10	1	1200	0.10	4500	0.10	1000		
								0.20	12100	0.45	26000		
								0.40	12500				
								0.20	9000				
								0.60	13000				
								0.20	6000	1.80	22000		
					2.00	39	50100	0.20	9000				
						0.20	8	12880	0.10	2000	0.80	48000	
								0.30	7000	0.70	23000		
								0.20	5000				
0.20	2	3600						0.40	8000				
								0.60	12000				
								0.10	4000				
									0.20	6000			
					0.60	7	10010	0.20	8000				
								0.20	6000				
0.40	16	8000						0.10	4500				
								0.50	16000				
								0.20	8000				
								0.60	16000				
								0.40	8000	0.80	50000		
								0.20	8000				
								0.40	12000	1.60	72100		
								0.10	5000				
								0.40	12000	0.60	10000		
								0.40	5000				
								0.80	12000				
								0.15	4500				
					1.60	12	21600	0.40	12000				
								0.40	12000				
								0.60	15000				
					1.20	23	32200	0.20	12000				
					1.00	17	23800	0.40	12000	1.60	72800		
								0.20	5000				
								0.20	3000				
									0.20	7200			
									0.10	2000			
									0.10	2000			
									0.20	7200			
									0.40	11000			

Pulses			Pulses (Bhusa)			Oilseeds			Green Fodder			Other crops	
Area (Hects)	Yield (Qtls)	Value (Rs.)	Yield (Qtls)	Value (Rs.)	Area (Hects)	Yield (Qtls)	Value (Rs.)	Area (Hects)	Value (Qtls)	Area (Hects)	Value (Rs.)	Area (Hects)	Value (Rs.)
19	20	21	22	23	24	25	26	27	28	29	30		
-	-	-	-	-	-	-	-	-	-	-	-	1.40	27600
-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.10	1	2000	-	-	-	-	-	-	-	0.20	5000	-	-
-	-	-	-	-	-	-	-	-	-	0.30	8000	0.40	7200
-	-	-	-	-	-	-	-	-	-	0.15	4000	-	-
-	-	-	-	-	-	-	-	-	-	0.20	6000	-	-
-	-	-	-	-	0.80	18	25200	0.20	5000	0.40	16000	-	-
0.80	10	22000	5	500	-	-	-	-	-	0.40	10000	-	-
-	-	-	-	-	-	-	-	-	-	0.20	5000	-	-
-	-	-	-	-	-	-	-	-	-	0.80	20000	-	-
-	-	-	-	-	-	-	-	-	-	0.40	10000	-	-
-	-	-	-	-	-	-	-	-	-	2.00	50000	-	-
-	-	-	-	-	-	-	-	-	-	1.20	30000	-	-

Zone	District	Holdings	Wheat			Wheat(Bhusa)	
			Area (Hects)	Yield (Qtls)	Value (Rs.)	Yield (Qtls)	Value (Rs.)
1	2	3	4	5	6	7	8
Central	Jind	Dalamwala	1.00	40	25200	40	4000
		Naguran	1.40	70	44100	70	7000
		Uchana Khurd	1.60	40	25200	40	4000
		Palwan	1.80	62	39060	50	5000
		Budha Khera	2.20	85	53550	85	6375
		Narwana	0.40	14	8820	14	1400
		Khanda	2.00	92	57960	92	9200
		Belarkha	3.20	150	94500	150	18000
		Kilazafargarh	3.30	100	63000	100	8800
		Karsandhu	3.70	150	94500	150	12750
		Desh Khera	4.20	190	119700	190	14250
		Budha Khera	4.20	160	100800	160	12000
		Barah Kalan	2.80	120	75600	120	12000
		Bhadurgarh	6.00	240	151200	240	24000
Kaithal	Kaithal	Rajaund	0.40	20	12600	20	2000
		Chhot	0.60	30	18900	30	4500
		Kharak Pandwan	2.20	115	72450	100	15000
		Dhand	2.80	140	88200	140	21000
		Barot	2.80	140	88200	140	21000
		Mohna	3.20	135	85050	125	18750
		Harigarh Kingan	3.60	150	94500	150	15000
		Kithana	4.60	180	113400	180	18000
		Harigarh Kingan	5.20	180	113400	180	27000
		Kharak Pandwan	6.20	300	189000	300	45000
Rohtak	Rohtak	Bhalot	0.80	35	22055	35	3500
		Kheri Sampla	0.60	25	15750	25	2500
		Bhalot	0.60	35	22050	35	3500
		Bhali Anandpur	0.60	25	15750	25	2500
		Lakhan Majra	2.00	50	31500	50	6500
		Madina	2.20	90	56700	90	9000
		Madina	2.00	95	59850	95	9500
		Kheri Sampla	2.00	60	37800	60	6000
		Bhali Anandpur	0.20	8	5040	8	800
		Lakhan Majra	11.20	350	110250	350	17500
Jhajjar	Jhajjar	Dhandhlan	1.30	40	25200	40	6000
		Dhandhlan	1.25	50	31500	60	9000
		Matanhel	1.20	48	30240	48	5280
		Matanhel	1.60	68	42840	68	6800
		Salhawas	1.20	48	30240	48	4800
		Salhawas	0.80	30	18900	30	3000
		Hasanpur	1.60	46	28520	46	4600
		Hasanpur	1.40	50	31000	50	5000
		Dulhera	3.20	128	79360	128	12800
		Dulhera	1.60	70	43400	70	7000

Zone	District	Holdings	Wheat			Wheat(Bhusa)	
			Area (Hects)	Yield (Qtls)	Value (Rs.)	Yield (Qtls)	Value (Rs.)
1	2	3	4	5	6	7	8
Central	Sonipat	Raddhana	0.70	28	17640	30	3000
		Ahulana	1.20	48	30240	48	4800
		Panchi Jatan	1.10	40	25200	40	4000
		Mudlana	1.30	60	37800	60	6000
		Bhigan	1.80	75	47250	80	8000
		Rohat	1.30	35	22050	35	3500
		Kheri Dhamkan	2.00	80	50400	80	8000
		Jagsi	2.60	112	70560	120	12000
		Rai	2.60	104	65520	105	10500
		Mohana	2.60	100	63000	100	10000
		Sisana	2.00	80	50400	80	8000
		Chitana	4.08	160	100800	160	16000
		Gudha	3.80	150	94500	150	15000
		Kasemda	4.00	180	113400	200	20000





Pulses			Pulses (Bhusa)			Oilseeds			Green Fodder		Other crops	
Area (Hects)	Yield (Qtls)	Value (Rs.)	Yield (Qtls)	Value (Rs.)	Area (Hects)	Yield (Qtls)	Value (Rs.)	Area (Hect)	Value (Qtls)	Area (Hect)	Value (Rs.)	
19	20	21	22	23	24	25	26	27	28	29	30	
-	-	-	-	-	-	-	-	0.10	3000	-	-	
-	-	-	-	-	-	-	-	0.20	4000	-	-	
-	-	-	-	-	-	-	-	0.10	2000	-	-	
-	-	-	-	-	-	-	-	0.10	2000	0.10	1500	
-	-	-	-	-	-	-	-	0.20	4800	-	-	
-	-	-	0.20	3	5250	0.20	6000	-	-	-	-	
-	-	-	-	-	-	-	-	0.20	3500	-	-	
-	-	-	-	-	-	-	-	0.30	5000	0.10	800	
-	-	-	-	-	-	-	-	0.40	8000	-	-	
-	-	-	-	-	-	-	-	0.30	8000	-	-	
-	-	-	-	-	-	-	-	0.20	3000	-	-	
-	-	-	-	-	-	-	-	0.40	4800	-	-	
-	-	-	-	-	-	-	-	0.10	2000	-	-	
-	-	-	-	-	-	-	-	0.40	10000	-	-	
-	-	-	-	-	-	-	-	0.20	4000	-	-	
-	-	-	-	-	-	-	-	0.20	4000	-	-	
-	-	-	-	-	-	-	-	0.20	4000	-	-	
-	-	-	-	-	-	-	-	0.40	8000	-	-	
-	-	-	-	-	-	-	-	0.40	8000	-	-	
-	-	-	-	-	-	-	-	0.40	6000	-	-	
-	-	-	-	-	-	-	-	0.40	8000	-	-	
-	-	-	-	-	-	-	-	0.20	4000	-	-	
-	-	-	-	-	-	-	-	0.40	8000	-	-	
-	-	-	-	-	-	-	-	0.20	4000	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	0.40	5	9000	-	-	-	-	-	-	
-	-	-	1.00	6	9600	-	-	-	-	-	-	
-	-	-	0.80	3	2400	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	0.05	2000	-	-	
-	-	-	0.40	8	1500	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	0.80	12	19800	-	-	-	-	-	-	
-	-	-	1.20	20	34000	-	-	-	-	-	-	
-	-	-	1.20	14	18060	-	-	-	-	-	-	
-	-	-	1.40	12	22104	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	0.40	4	6800	-	-	-	-	0.40	18000	

Pulses			Pulses (Bhusa)			Oilseeds			Green Fodder			Other crops	
Area (Hects)	Yield (Qtls)	Value (Rs.)	Yield (Qtls)	Value (Rs.)	Area (Hects)	Yield (Qtls)	Value (Rs.)	Area (Hect)	Value (Qtls)	Area (Hect)	Value (Rs.)	Area (Hect)	Value (Rs.)
19	20	21	22	23	24	25	26	27	28	29	30		
-	-	-	-	-	-	-	-	0.10	2500	-	-		
-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	0.10	2500	-	-		
-	-	-	-	-	-	-	-	0.10	2500	-	-		
-	-	-	-	-	-	-	-	-	-	0.40	19200		
-	-	-	-	-	-	-	-	0.10	2000	0.80	51600		
-	-	-	-	0.30	4	6400	0.10	1000	-	-	-		
-	-	-	-	-	-	-	-	0.10	2500	-	-		
-	-	-	-	-	-	-	-	0.20	5000	-	-		
-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	0.40	6	9600	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	0.10	1500	-	-		
-	-	-	-	0.80	12	18000	0.10	1500	-	-	-		

Zone	District	Holdings	Wheat			Wheat (Bhusa)	
			Area (Hects)	Yield (Qtls)	Value (Rs.)	Yield (Qtls)	Value (Rs.)
1	2	3	4	5	6	7	8
Western	Bhiwani	Chanden	0.80	30	18900	30	2700
		Hetam pura	-	-	-	-	-
		Gignow	0.80	30	18900	30	3000
		Bhariwas	-	-	-	-	-
		Hetam pura	-	-	-	-	-
		Gignow	0.80	30	18900	30	3000
		Jattu Lohari	1.20	45	28350	45	4050
		Jattu Lohari	1.20	38	23940	38	3420
		Chang	2.00	70	44100	70	6300
		Loharwara	1.20	45	28350	45	4050
		Bhariwas	1.20	42	26460	42	4200
		Chang	2.40	84	52920	84	7560
		Loharwara	2.40	90	56700	90	8100
		Chanden	1.60	60	37800	60	5400
		Sagwan	1.60	64	40320	64	6400
		Sagwan	1.60	64	40320	64	6400
		Dhani Hunat	1.20	40	25200	40	3600
		Dhani Hunat	2.00	70	44100	70	6300
Hisar	Hisar	Litani	1.20	48	30240	48	4800
		Majra	1.60	82	51660	82	8200
		Chikanwas	1.00	30	18900	30	3000
		Data	1.60	60	37800	70	7000
		Bhatol Jattan	1.20	50	31500	50	4500
		Arya Nagar	1.60	50	31500	45	3375
		Pabra	2.20	55	34650	70	7000
		Behabalpur	0.55	20	12600	20	2000
		Bhatol Jattan	1.80	65	40950	70	5600
		Harikot	2.80	100	63000	100	12000
		Dhiranwas	1.50	65	40950	70	7000
		Ghirai	4.40	150	94500	105	7875
		Narnaund	5.80	230	144900	80	8000
		Agroha	3.80	110	69300	120	12000
		Sarsod	3.20	112	70560	115	11500
		Kavrale	4.00	200	126000	210	21000
		Balawas	-	-	-	-	-
		Moda Khera	9.20	365	229950	350	28000
Fatehabad	Fatehabad	Dhabi lalan	0.55	30	18900	30	3000
		Kanheri	0.80	32	20160	40	4000
		Dariya Pur	1.50	52	32760	52	5200
		Jamalpur Sekha	1.40	56	35280	56	5600
		Chimo	1.40	56	35280	56	5600
		Jhandli khurd	2.40	84	52920	84	8400
		Nahla	2.40	96	60480	96	9600
		Matana	4.40	100	63000	100	10000
		Bhattu Kalan	5.00	184	115920	184	18400
		Aharwan	5.60	308	194040	150	15000

Zone	District	Holdings	Wheat			Wheat (Bhusa) .	
			Area (Hects)	Yield (Qtls)	Value (Rs.)	Yield (Qtls)	Value (Rs.)
1	2	3	4	5	6	7	8
Western	Sirsa	Malekan	1.00	40	25200	40	2800
		Abholi	0.80	42	26460	42	3780
		Sultan Puri	1.20	60	37800	60	4200
		Umed Pura	1.10	46	29500	40	2400
		Bhawdin	1.80	50	31500	50	3500
		Sanvat khera	2.00	90	56700	90	9000
		Panihari	2.80	112	70560	110	11000
		Nejia Khera	2.20	96	60480	96	8640
		Jodhka	3.80	182	114660	180	12600
		Sahuwala	4.80	168	105840	168	11760
		Banwala	2.00	70	44100	70	6300
		Odhan	4.00	180	113400	150	15000
		Thiraj	7.20	300	189000	300	21000
		Chhormar Khera	4.80	208	131040	208	18720



Barley			Barley (Bhusa)			Gram			Gram (Bhusa)		
Area (Hects)	Yield (Qtls)	Value (Rs.)	Yield (Qtls)	Value (Rs.)	Area (Hects)	Yield (Qtls)	Value (Rs.)	Yield (Qtls)	Value (Rs.)	Yield (Qtls)	Value (Rs.)
9	10	11	12	13	14	15	16	17	18		
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	0.40	2	2700	2	150	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	0.40	3000	3900	-	-	-	-
-	-	-	-	-	0.60	2	3600	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

001 47.0  
 002 47.0  
 003 0.0 0.0 0.0  
 004 0.0 0.0 0.0  
 005 0.0 0.0 0.0  
 006 0.0 0.0 0.0  
 007 0.0 0.0 0.0  
 008 0.0 0.0 0.0  
 009 0.0 0.0 0.0  
 010 0.0 0.0 0.0  
 011 0.0 0.0 0.0  
 012 0.0 0.0 0.0  
 013 0.0 0.0 0.0  
 014 0.0 0.0 0.0  
 015 0.0 0.0 0.0  
 016 0.0 0.0 0.0  
 017 0.0 0.0 0.0  
 018 0.0 0.0 0.0  
 019 0.0 0.0 0.0  
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 027 0.0 0.0 0.0  
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 030 0.0 0.0 0.0  
 031 0.0 0.0 0.0  
 032 0.0 0.0 0.0  
 033 0.0 0.0 0.0  
 034 0.0 0.0 0.0  
 035 0.0 0.0 0.0  
 036 0.0 0.0 0.0  
 037 0.0 0.0 0.0  
 038 0.0 0.0 0.0  
 039 0.0 0.0 0.0  
 040 0.0 0.0 0.0  
 041 0.0 0.0 0.0  
 042 0.0 0.0 0.0  
 043 0.0 0.0 0.0  
 044 0.0 0.0 0.0  
 045 0.0 0.0 0.0  
 046 0.0 0.0 0.0  
 047 0.0 0.0 0.0  
 048 0.0 0.0 0.0  
 049 0.0 0.0 0.0  
 050 0.0 0.0 0.0

Pulses			Pulses (Bhusa)		Oilseeds			Green Fodder		Other crops	
Area (Hects)	Yield (Qtls)	Value (Rs.)	Yield (Qtls)	Value (Rs.)	Area (Hects)	Yield (Qtls)	Value (Rs.)	Area (Hects)	Value (Qtls)	Area (Hects)	Value (Rs.)
19	20	21	22	23	24	25	26	27	28	29	30
-	-	-	-	-	0.80	14	22400	-	-	-	-
-	-	-	-	-	0.80	16	27200	-	-	-	-
-	-	-	-	-	1.60	20	32000	-	-	-	-
-	-	-	-	-	0.80	16	27200	-	-	-	-
-	-	-	-	-	0.80	14	22400	-	-	-	-
-	-	-	-	-	0.80	12	19200	-	-	-	-
-	-	-	-	-	1.20	42	67200	-	-	-	-
-	-	-	-	-	1.20	15	24000	-	-	-	-
-	-	-	-	-	0.80	13	20800	-	-	-	-
-	-	-	-	-	0.80	15	24000	-	-	-	-
-	-	-	-	-	1.60	28	44800	-	-	-	-
-	-	-	-	-	3.20	56	89600	-	-	-	-
-	-	-	-	-	3.20	56	89600	-	-	-	-
-	-	-	-	-	1.20	20	32000	-	-	-	-
-	-	-	-	-	-	-	-	0.30	3500	-	-
-	-	-	-	-	-	-	-	0.10	4000	-	-
-	-	-	-	-	0.80	14	22680	0.20	3250	-	-
-	-	-	-	-	0.30	7	11900	0.10	750	-	-
-	-	-	-	-	1.00	17	28390	0.20	2750	-	-
-	-	-	-	-	0.80	10	16000	0.20	1000	-	-
-	-	-	-	-	-	-	-	0.30	6000	-	-
-	-	-	-	-	1.50	26	42900	0.20	5000	-	-
-	-	-	-	-	1.60	30	50400	0.20	3025	-	-
-	-	-	-	-	0.60	8	17440	0.35	10000	0.40	7520
-	-	-	-	-	0.80	10	16000	0.10	1250	-	-
-	-	-	-	-	0.80	14	23100	0.40	2700	-	-
-	-	-	-	-	-	-	-	0.80	24000	-	-
-	-	-	-	-	2.20	36	59040	0.40	4500	0.40	4350
-	-	-	-	-	4.80	58	100340	0.30	4500	-	-
-	-	-	-	-	4.00	100	166000	0.40	4200	-	-
-	-	-	-	-	1.60	16	29600	-	-	-	-
-	-	-	-	-	2.40	45	73125	0.40	7250	-	-
-	-	-	-	-	0.40	6	9900	0.05	1000	-	-
-	-	-	-	-	-	-	-	0.20	4000	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	0.20	3000	-	-
-	-	-	-	-	-	-	-	0.20	3000	-	-
-	-	-	-	-	0.40	4	6400	0.20	3000	-	-
-	-	-	-	-	0.40	6	9600	0.40	8000	-	-
-	-	-	-	-	-	-	-	0.20	4500	-	-
-	-	-	-	-	1.20	14	23100	0.20	4000	-	-
-	-	-	-	-	-	-	-	1.20	32500	-	-

Pulses			Pulses (Bhusa)			Oilseeds			Green Fodder			Other crops	
Area (Hects)	Yield (Qtls)	Value (Rs.)	Yield (Qtls)	Value (Rs.)	Area (Hects)	Yield (Qtls)	Value (Rs.)	Area (Hects)	Value (Qtls)	Area (Hects)	Value (Rs.)		
19	20	21	22	23	24	25	26	27	28	29	30		
-	-	-	2.056	-	-	-	-	-	-	-	-		
-	-	-	2.014	-	-	-	-	0.20	4000	-	-		
-	-	-	2.010	-	-	-	-	0.20	4000	-	-		
-	-	-	-	-	0.40	5	7500	0.10	1000	-	-		
-	-	-	-	-	-	-	-	0.20	4000	-	-		
-	-	-	-	-	0.60	6	9000	0.20	3000	-	-		
-	-	-	-	-	-	-	-	0.40	10000	-	-		
-	-	-	2.014	-	-	-	-	0.20	2000	-	-		
-	-	-	2.017	-	-	-	-	0.20	4000	-	-		
-	-	-	-	-	0.80	4	6000	0.40	4000	-	-		
-	-	-	-	-	2.40	24	37200	0.20	3000	-	-		
-	-	-	-	-	2.40	35	56000	0.20	3000	-	-		
-	-	-	-	-	-	-	-	0.40	5000	-	-		
-	-	-	-	-	4.00	60	90000	0.20	3000	-	-		

Zone	District	Holdings	Wheat			Wheat (Bhusa)	
			Area (Hects)	Yield (Qtls)	Value (Rs.)	Yield (Qtls)	Value (Rs.)
1	2	3	4	5	6	7	8
Southern	Faridabad	Likhi	1.20	50	31500	50	5000
		Bhupgarh	1.60	48	30240	48	4800
		Prithila	2.40	108	68040	110	11000
		Prithila	2.20	66	41580	66	6600
		Midkola	0.80	32	20160	32	3200
		Nacholi	3.80	152	95760	150	15000
		Nacholi	3.60	144	90720	144	14400
		Likhi	4.20	180	113400	180	18000
		Bhupgarh	4.50	140	88200	140	14000
		Midkola	4.80	225	141750	225	22500
		Sikri	6.60	191	120330	200	28000
		Sikri	4.40	220	138600	220	28600
		Jamalpur	0.80	22	13860	20	2500
		Hassan Pur	1.00	24	15120	24	1920
Gurgaon	Gurgaon	Hassan Pur	1.60	65	40950	60	5400
		Pangwa	0.40	16	10080	16	1600
		Khentawas	1.20	44	27720	44	4400
		BondaKalan	0.80	28	17640	25	2000
		Uchha Majra	2.40	80	50400	80	7200
		Alipur	1.90	46	28980	46	4600
		Garhi Harshu	2.00	60	37800	60	6000
		Mandi Khera	1.60	55	34650	55	5500
		Rewasan	4.00	150	94500	140	14000
		Alipur	4.84	150	94500	145	14500
		Malab	-	-	-	-	-
		Nasir Was	4.40	160	100800	150	13500
		Wazir Pur	2.40	80	50400	80	8000
		Bichhor	2.00	60	37800	60	6000
Mahendergarh	Mahendergarh	Mohamadwas	2.40	90	56700	80	7200
		Kheri Nuh	-	-	-	-	-
		Uninda	0.60	24	15120	24	2400
		Napla	-	-	-	-	-
		God	-	-	-	-	-
		Bhugarka	-	-	-	-	-
		Sehlanga	0.60	30	18900	30	3000
		Shaharpur	0.50	16	10080	16	1600
		Singhra	1.20	40	25200	40	3000
		Riwasa	0.40	16	10080	16	1600
		Nangal Nunia	0.30	10	6300	15	1125
		Satnali	2.80	90	56700	90	9000
Rewari	Rewari	Suthana	0.20	16	10080	16	1600
		Pahlawas	0.40	16	10080	16	1600
		Pahlawas	0.40	22	13860	22	2200
		Manethi	0.40	20	12600	20	2000
		Manethi	0.40	16	10080	16	1600
		Maheshwari	2.40	100	63000	100	8000
		Kharkhara	1.60	64	40320	64	6400
		Lukhi	1.90	80	50400	80	8000
		Nahar	0.80	40	25200	40	3200
		Suthana	0.60	20	12600	20	1500

Area (Hects)	Barley			Barley (Bhusa)			Gram			Gram (Bhusa)		
	Yield (Qtls)	Value (Rs.)		Yield (Qtls)	Value (Rs.)		Area (Hects)	Yield (Qtls)	Value (Rs.)	Yield (Qtls)	Value (Rs.)	
9	10	11		12	13		14	15	16	17	18	
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
0.20	8	4200		8	800		-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
0.40	14	7000		10	700		-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
0.80	30	15000		25	1500		-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
3.20	120	60000		100	10000		-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
0.40	8	4000		6	450		1.00	10	13300	10	750	

Pulses			Pulses (Bhusa)		Oilseeds			Green Fodder		Other Crops	
Area (Hects)	Yield (Qtls)	Value (Rs.)	Yield (Qtls)	Value (Rs.)	Area (Hects)	Yield (Qtls)	Value (Rs.)	Area (Hects)	Value (Qtls)	Area (Hects)	Value (Rs.)
19	20	21	22	23	24	25	26	27	28	29	30
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	0.60	8	12800	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	0.20	4000	-	-
-	-	-	-	-	-	-	-	0.20	6000	-	-
-	-	-	-	-	-	-	-	0.20	10000	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	0.20	3000	-	-
-	-	-	-	-	0.40	8	13600	-	-	0.60	20000
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	0.40	6	9900	-	-	-	-
-	-	-	-	-	2.00	40	56000	-	-	0.80	27000
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	2.80	70	112000	-	-	-	-
-	-	-	-	-	1.20	30	48000	-	-	0.40	9600
-	-	-	-	-	2.50	40	68000	-	-	-	-
-	-	-	-	-	1.80	24	39600	-	-	-	-
-	-	-	-	-	2.00	60	102000	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	1.76	35	59500	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	2.40	40	66000	-	-	-	-
2.00	250	40000	-	-	-	-	-	-	-	-	-
-	-	-	-	-	6.00	100	136500	-	-	-	-
-	-	-	-	-	5.60	105	168000	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	0.40	8	13100	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	1.20	14	23320	-	-	-	-
-	-	-	-	-	0.70	12	20250	-	-	-	-
-	-	-	-	-	1.20	20	34500	-	-	-	-
-	-	-	-	-	1.80	12	21150	-	-	-	-
-	-	-	-	-	2.70	40	68000	-	-	-	-
-	-	-	-	-	6.10	110	181500	-	-	-	-
-	-	-	-	-	2.80	22	40900	-	-	-	-
-	-	-	-	-	0.60	10	16900	-	-	-	-
-	-	-	-	-	0.40	8	13900	-	-	-	-
-	-	-	-	-	1.20	20	35250	-	-	-	-
-	-	-	-	-	1.20	12	19700	-	-	-	-
-	-	-	-	-	2.00	30	49000	-	-	-	-
-	-	-	-	-	0.80	14	23900	-	-	-	-
-	-	-	-	-	1.60	13	18250	-	-	-	-
-	-	-	-	-	1.70	30	49750	-	-	-	-
-	-	-	-	-	2.40	39	67300	0.40	5000	-	-
-	-	-	-	-	2.40	40	66000	-	-	-	-

### APPENDIX – III-B

**Cropped area, Yield and Value of crops sown on Unirrigated land (Rabi) 2003-04**

Zone	District	Holdings	Wheat			Wheat (Bhusa)	
			Area (Hects)	Yield (Qtls)	Value (Rs.)	Yield (Qtls)	Value (Rs.)
1	2	3	4	5	6	7	8
Northern	Ambala	Samlehri	0.60	9	5670	9	900
		Khudda Kalan	1.20	64	40320	60	6000
		Keso Pur	2.40	71	44730	44	6160
		Patvi	1.60	50	31500	50	6250
	Panchkula	Madana	0.20	-	-	-	-
		Morni	0.35	3	1890	3	375
Central	Rohtak	Bhali Annandpur	-	-	-	-	-
	Jhajjar	Dulehra	-	-	-	-	-
	Sonipat	Mudlana	0.40	10	6300	10	1000
		Jagsi	-	-	-	-	-
		Mohana	-	-	-	-	-
		Gudha	-	-	-	-	-
Western	Bhiwani	Hatempura	-	-	-	-	-
		Hatempura	-	-	-	-	-
		Dhani Hunat	-	-	-	-	-
		Dhani Hunat	-	-	-	-	-
	Hisar	Agroha	-	-	-	-	-
	Sirsa	Nejjia Khera	-	-	-	-	-
Southern	Faridabad	Madkola	0.40	16	10080	16	1600
		Garhi Harshu	-	-	-	-	-
		Mandi Khera	-	-	-	-	-
		Malab	-	-	-	-	-
	Mahendergarh	Kheri Nuh	-	-	-	-	-
		Napla	-	-	-	-	-
		God	-	-	-	-	-
		Satnali	-	-	-	-	-

Barley			Barley (Bhusa)		Gram			Gram (Bhusa)	
Area (Hects)	Yield (Qtls)	Value (Rs.)	Yield (Qtls)	Value (Rs.)	Area (Hects)	Yield (Qtls)	Value (Rs.)	Yield (Qtls)	Value (Rs.)
9	10	11	12	13	14	15	16	17	18
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
0.60	2	1000	1	100	0.60	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
1.60	24	11760	24	1440	-	-	-	-	-
1.60	24	11760	24	1440	-	-	-	-	-
-	-	-	-	-	2.00	25	37500	25	1250
-	-	-	-	-	2.00	25	37500	25	1250
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	1.00	2	2800	2	140
-	-	-	-	-	-	-	-	-	-
1.00	21	9450	10	1000	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	1.20	25	30000	25	2500
-	-	-	-	-	8.00	150	180000	140	14000
-	-	-	-	-	1.20	12	16200	15	1500
-	-	-	-	-	0.40	-	-	-	-
-	-	-	-	-	2.80	20	30000	20	2000

Pulses			Pulses (Bhusa)			Oilseeds			Green Fodder			Other crops	
Area (Hects)	Yield (Qtls)	Value (Rs.)	Yield (Qtls)	Value (Rs.)	Area (Hects)	Yield (Qtls)	Value (Rs.)	Area (Hects)	Value (Qtls)	Area (Hects)	Value (Rs.)	Area (Hects)	Value (Rs.)
19	20	21	22	23	24	25	26	27	28	29	30		
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	0.40	9	12980	-	-	-	-	-	-
-	-	-	-	-	-	-	-	0.40	5500	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	0.30	-	-	0.50	-	-	-	-	-
-	-	-	-	-	1.20	12	20400	-	-	0.40	18000	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	0.10	-	-	-	-	-	-	-	-
-	-	-	-	-	0.80	10	15000	-	-	-	-	-	-
-	-	-	-	-	1.60	25	40000	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	0.60	9	15300	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	1.20	35	59500	-	-	-	-	-	-
-	-	-	-	-	4.20	34	50000	-	-	-	-	-	-
-	-	-	-	-	0.40	10	17000	-	-	-	-	-	-
-	-	-	-	-	1.20	14	22400	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-

Cells	CellID	CellType	CellStatus	CellProperties			CellMetrics			CellHealth			CellLogs		
				Latency	Throughput	Power	Throughput	Latency	Power	Throughput	Latency	Power	Throughput	Latency	Power
1	00001	Cell A	Active	50ms	100Mbps	15W	100Mbps	50ms	15W	100Mbps	50ms	15W	100Mbps	50ms	15W
2	00002	Cell B	Standby	60ms	90Mbps	14W	90Mbps	60ms	14W	90Mbps	60ms	14W	90Mbps	60ms	14W
3	00003	Cell C	Standby	70ms	80Mbps	13W	80Mbps	70ms	13W	80Mbps	70ms	13W	80Mbps	70ms	13W
4	00004	Cell D	Standby	80ms	70Mbps	12W	70Mbps	80ms	12W	70Mbps	80ms	12W	70Mbps	80ms	12W
5	00005	Cell E	Standby	90ms	60Mbps	11W	60Mbps	90ms	11W	60Mbps	90ms	11W	60Mbps	90ms	11W
6	00006	Cell F	Standby	100ms	50Mbps	10W	50Mbps	100ms	10W	50Mbps	100ms	10W	50Mbps	100ms	10W
7	00007	Cell G	Standby	110ms	40Mbps	9W	40Mbps	110ms	9W	40Mbps	110ms	9W	40Mbps	110ms	9W
8	00008	Cell H	Standby	120ms	30Mbps	8W	30Mbps	120ms	8W	30Mbps	120ms	8W	30Mbps	120ms	8W
9	00009	Cell I	Standby	130ms	20Mbps	7W	20Mbps	130ms	7W	20Mbps	130ms	7W	20Mbps	130ms	7W
10	00010	Cell J	Standby	140ms	10Mbps	6W	10Mbps	140ms	6W	10Mbps	140ms	6W	10Mbps	140ms	6W
11	00011	Cell K	Standby	150ms	5Mbps	5W	5Mbps	150ms	5W	5Mbps	150ms	5W	5Mbps	150ms	5W
12	00012	Cell L	Standby	160ms	2Mbps	4W	2Mbps	160ms	4W	2Mbps	160ms	4W	2Mbps	160ms	4W
13	00013	Cell M	Standby	170ms	1Mbps	3W	1Mbps	170ms	3W	1Mbps	170ms	3W	1Mbps	170ms	3W
14	00014	Cell N	Standby	180ms	0.5Mbps	2W	0.5Mbps	180ms	2W	0.5Mbps	180ms	2W	0.5Mbps	180ms	2W
15	00015	Cell O	Standby	190ms	0.2Mbps	1W	0.2Mbps	190ms	1W	0.2Mbps	190ms	1W	0.2Mbps	190ms	1W
16	00016	Cell P	Standby	200ms	0.1Mbps	0.5W	0.1Mbps	200ms	0.5W	0.1Mbps	200ms	0.5W	0.1Mbps	200ms	0.5W
17	00017	Cell Q	Standby	210ms	0.05Mbps	0.2W	0.05Mbps	210ms	0.2W	0.05Mbps	210ms	0.2W	0.05Mbps	210ms	0.2W
18	00018	Cell R	Standby	220ms	0.02Mbps	0.1W	0.02Mbps	220ms	0.1W	0.02Mbps	220ms	0.1W	0.02Mbps	220ms	0.1W
19	00019	Cell S	Standby	230ms	0.01Mbps	0.05W	0.01Mbps	230ms	0.05W	0.01Mbps	230ms	0.05W	0.01Mbps	230ms	0.05W
20	00020	Cell T	Standby	240ms	0.005Mbps	0.02W	0.005Mbps	240ms	0.02W	0.005Mbps	240ms	0.02W	0.005Mbps	240ms	0.02W
21	00021	Cell U	Standby	250ms	0.002Mbps	0.01W	0.002Mbps	250ms	0.01W	0.002Mbps	250ms	0.01W	0.002Mbps	250ms	0.01W
22	00022	Cell V	Standby	260ms	0.001Mbps	0.005W	0.001Mbps	260ms	0.005W	0.001Mbps	260ms	0.005W	0.001Mbps	260ms	0.005W
23	00023	Cell W	Standby	270ms	0.0005Mbps	0.002W	0.0005Mbps	270ms	0.002W	0.0005Mbps	270ms	0.002W	0.0005Mbps	270ms	0.002W
24	00024	Cell X	Standby	280ms	0.0002Mbps	0.001W	0.0002Mbps	280ms	0.001W	0.0002Mbps	280ms	0.001W	0.0002Mbps	280ms	0.001W
25	00025	Cell Y	Standby	290ms	0.0001Mbps	0.0005W	0.0001Mbps	290ms	0.0005W	0.0001Mbps	290ms	0.0005W	0.0001Mbps	290ms	0.0005W
26	00026	Cell Z	Standby	300ms	0.00005Mbps	0.0002W	0.00005Mbps	300ms	0.0002W	0.00005Mbps	300ms	0.0002W	0.00005Mbps	300ms	0.0002W

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