

## CHAPTER 6

### TEMPORARY CROPS

Land under temporary crops has been increasing steadily. From 2,250 thousand hectares in 1981/82 it increased to 2,326 thousand hectares in 2001/02. Compared to 1981/82, the land under temporary crops increased by 34.4 thousand hectares (1.5%) in 1991/92. Likewise, the increase between 1991/92 and 2001/02 was 41.5 thousand hectares (1.8%).

The total area sown under temporary crops had increased by 23 percent between 1981/82 and 1991/92. The increase between 1991/92 and 2001/02 was comparatively low and was only 4.63 percent. Crops such as rice, maize, wheat occupy important position among the cereal crops grown in the country. And among other temporary crops legumes and oilseeds are important crops.

About 97.5 percent of the holdings reported having area under cereal crops in 2001/02.

The percentage was even higher in 1991/92 and was at 98 percent. However, the percentage of holdings that cultivated cereals grain in 1981/82 was only 78.1 percent.

Area under vegetable has increased substantially during the period between 1981/82 and 2001/02. From 17 thousand hectares in 1981/82 the area under vegetables increased to 60.0 thousand hectares in 2001/02. Unlike area under vegetable, area under cash crops, oilseeds and spices do not show a steady trend.

Cropping intensity, which gives the measures of the extent of the use of the land, shows a positive trend. The cropping intensity has increased from 1.45 in 1981/82 to 1.75 in 1991/92 and to 1.80 in 2001/02.

**Table 6.0 Summary Statistics**

Description	1981/82	1991/92	2001/02
Arable land ('000 ha)	2,287.5	2,323.4	2,357.0
Land under temporary crops ('000 ha)	2,250.2	2,284.6	2,326.1
Temporary crop sown ('000 ha)	3,315.0	4,063.0	4,251.3
Cropping intensity	1.45	1.75	1.80
Cereal grain ('000 ha)	2,509.0	3,251.7	3,423.1
(Rice, Wheat, Maize, Other cereals)			
Legumes ('000 ha)	334.6	340.4	379.4
Tubers ('000 ha)	86.0	79.2	92.5
Cash crops ('000 ha)	86.0	62.9	60.6
Oilseeds ('000 ha)	224.1	260.1	214.2
Spices ('000 ha)	58.1	29.3	40.7
Vegetables ('000 ha)	17.2	39.5	60.0

## 6.1 Land under temporary crops

In Nepal, the agricultural land portion of the holding is composed of arable land, land under permanent crops, land under permanent meadows and pasture and pond. Land under temporary crops is a dominant composition of arable land. As presented in Chapter 5 Land Use, land under temporary crops comprised 87.6% of the total area of the holding with a total area of 2.3261 million hectares in 2001/02. Of this number 120.5 thousand hectares or 5.2% of the total was operated by female holders while the rest belong to the male holders.

The land under temporary crop is the physical area of land where annual crops are grown. Annual crops or temporary crops are plants whose growing cycle does not exceed one year. The plants are destroyed after harvest. Some crops, however, that remain in a field for more than one year were also considered as temporary crops like sugarcane, asparagus and strawberries. Most of the annual crops that are included in the census are cereal grains, legumes, oilseeds, leafy vegetables, flower vegetables, fruit vegetables, root crops and bulbs and cash crops. TABLE 6.1 would show a listing of the major temporary crops given prominence in the 2001/02 Census of Agriculture.

In accounting for the number of times that land under temporary crops was used, the actual area planted and harvested for every crop was reported. It is possible that a parcel of land under temporary crops can be counted as many times as planted and harvested during the reference year. Thus, the cropped area would be equal to or more than the physical area of the land under temporary crops.

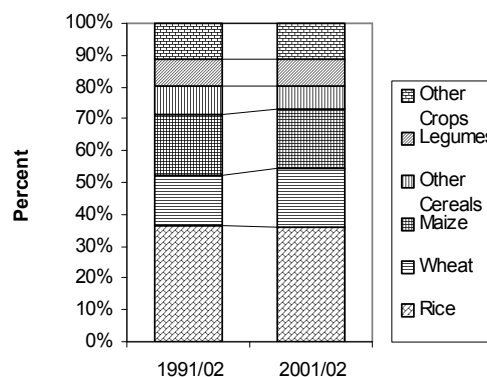
Cropped area also includes the area occupied by temporary crops planted in land under permanent crops but the area is negligible.

## 6.2 Composition of temporary crops

In 2001/02, out of the 3.3374 million agricultural land holdings in Nepal, 3.3054 holdings or 99.0% of the total were engaged in temporary crop cultivation. The total area cultivated to annual crops in 2001/02 was 4.2513 million hectares. This represents the cropped area out of a physical land area of 2.3261 million hectares of land under temporary crops that resulted in a utilization rate of 183.8%.

In 1991/92, out of the 2.7039 million agricultural land holdings in Nepal, 2.7019 million holdings or 99.9% of the total were engaged in the cultivation of temporary crops. The land under temporary crops in 1991/92 was 2.2846 million hectares. The

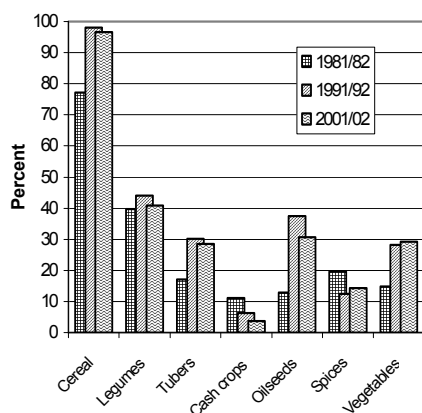
FIGURE 6.1: COMPOSITION OF CROP AREA, NEPAL, 1991/92 AND 2001/02



total area cultivated to temporary crops reported in 1991/92 was 4.063 million hectares. This is the cropped area out of a physical area of 2.2846 million hectares. The utilization rate of land under temporary crops in 1991/92 was 177.8%. In 1981/82, out of 2.1857 million agricultural land holdings, 2.1574 million or 98.7% were engaged in the cultivation of annual crops, which is almost at par with the 2001/02 proportion. The physical area of land under temporary crops was 2.2502 million hectares. The total cropped area reported on annual crops was 3.315 million hectares. The utilization rate computed for 1981/82 is 147.3%.

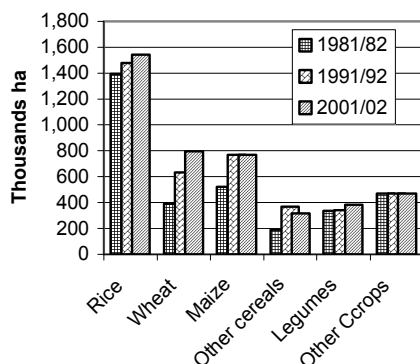
Based on the above findings, the 2001/02 agricultural holders utilized their land under temporary crops 83.8% more than the physical area, this means that the

FIGURE 6.2: CROP GROWERS, NEPAL, PERCENT OF ALL HOLDINGS



holdings have practiced double cropping during the agricultural year. The 2001/02 holdings surpassed the use of the land by 6 percentage points over those in 1991/92. But what is revealing is the sudden increase in the use of the land between 1981/82 and 1991/92 where the utilization rate had increased by 30.5 percentage points. It appears that the high intensity of use of the land under temporary crops started to increase in the nineties. There are seven major groups of temporary crops covered by the Agriculture Census,

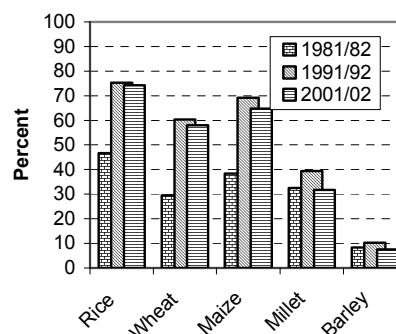
FIGURE 6.3: CROP AREAS, NEPAL



namely: cereal grains, legumes, tubers, cash crops, oilseeds, spices and vegetables.

The most common temporary crops grown was cereal grains where 97.5% of the holdings reported to have planted in 2001/02. The percentage was higher in 1991/92 at 98% although in 1981/82 the percentage of holdings that cultivated cereal grains was only 78.1%. The cropped area planted to cereal grains in 2001/02 was 3.423 million hectares which was 80.1% of the total cropped area reported for this year. The cropped area for cereal grains in 1991/92 was 3.2517 million hectares which was also 80% of the total cropped area, see TABLE 6.1. The second important group of annual crops that many holdings raised is legumes where 1.3623 million holdings or 41.2% of the total reported legumes cultivation with a total cropped area of 379.4 thousand hectares. This cropped area was 8.9% of the total cropped area reported in 2001/02.

FIGURE 6.4: CEREAL GROWERS, NEPAL, PERCENT OF ALL HOLDINGS



The third ranking group of annual crops that almost a third of the holdings raised is oilseeds with 1.0214 million holdings or 30.9% of the total holdings. The cropped area reported was only 5% of the total cropped area. Vegetables and tubers groups of crops almost shared the same number of holdings cultivating them: 978.1 thousand holdings engaged in vegetable cultivation and 950.5 thousand holdings engaged in planting tubers. The cropped area for tubers was 2.2% of the total while for vegetables only 1.4% of the total.

Spice growing was reported by 14.3% of the holdings while cash crops cultivation was engaged in only by 3.8% of the holdings in 2001/02. Cash crop growing in 1981/82 was engaged in by 11.2% of the holdings and this went down to 6.3% in 1991/92.

### 6.3 Rice

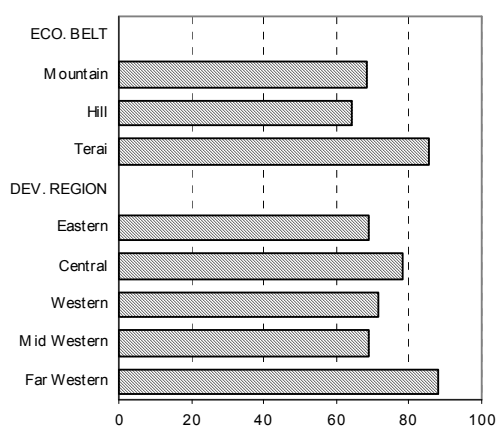
Rice growing in Nepal is still the most popular cereal grains cultivated by more than three-fourths of the holdings, 76.7% in 1991/92 and 77.0% in 2001/02. While the proportion is almost the same there was actually an increase in the number of holdings planting rice for all the three-season rice crops. The number of holdings engaged in planting early rice was 184.5 thousand in 1991/92 and this number increased to 193.6 thousand in 2001/02, or an increase of 4.9%; for the main rice, 1.906 million holdings in 1991/92 and increased to 2.3345 million in 2001/02 or an increase of 22.5%; and for upland rice,

2001/02 was 2.4816 million compared with 2.0375 million in 1991/92 or an increase in the number of holdings growing rice by 21.8% within the past ten years. The total cropped area devoted to the cultivation of rice was 1.5446 million hectares which is 45.1% of the total cropped area planted to cereal grains in 2001/02. This rice cropped area is only 4.3% higher than in 1991/92.

Of the 2.4816 million holdings growing rice, 1.2627 million or 50.9% were found in the Tarai belt; 1.0156 million holdings or 40.9% were in Hill belt and the rest (203.3 thousand or 8.2%), were located in the Mountain belt, see TABLE 6.2. As a proportion to the arable land found in the ecological belt, both Tarai and Hill belts reported the highest on rice cropped area relative to the area of the arable land, which was 182.7% while Mountain belt reported 167.7%.

The arable land area in Tarai was 1.294 million hectares and in Hill belt, 863 thousand hectares. Mountain belt reported 200 thousand hectares of arable land. At the national level, the average area of rice farms in 2001/02 was 0.46 hectare that is about 36.1% of the average area under temporary crops. The average size of the holding was 0.80 hectare therefore the land devoted to rice, on the average, is about 57.5% of the holding.

**FIGURE 6.5: RICE GROWERS, 2001/02,  
PERCENT OF HOLDINGS**

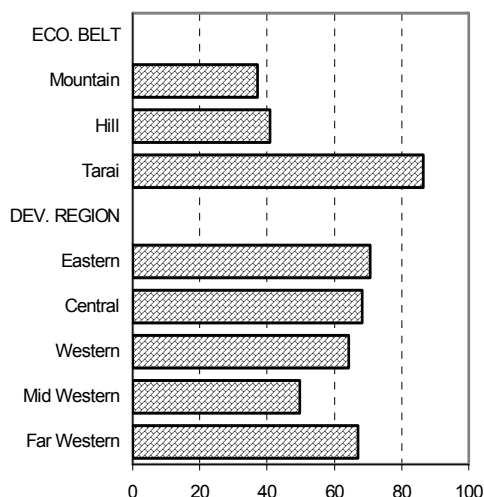


from 189.9 thousand holdings in 1991/92 to 233.1 thousand holdings in 2001/02, or an increase of 22.8%, even a little bit higher than the increase in the planting of main rice.

As a whole, the total number of holdings that were engaged in rice growing in

Tarai belt registered the highest average 0.76 hectare on rice followed far behind by Mountain belt and Hill belt with 0.25 hectare and 0.22 hectare, respectively, see TABLE 6.4. Also in the average area sown for rice, Tarai belt reported the highest average of 0.88 hectare while that of the Mountain belt and Hill belt, 0.37 hectare and 0.35 hectare, respectively (TABLE 6.5). However, in terms of usage of rice land, on the average, Tarai holdings reported a utilization rate of 115.8% only compared with much higher average utilization rate for rice growers in

**FIGURE 6.6: RICE AREA, 2001/02,  
PERCENT OF ARABLE LAND**



Mountain belt and Hill belt at 148.0% and 159.1%, respectively.

By development region, Central region reported the most number of holdings engaged in rice culture where 803.3 thousand or 32.4% of the total rice growers in the country. Eastern region reported 22.2% of the total rice growers while Western region had 20.6%. These three regions reported 75.2% of all rice growers in the country. The rest of the rice growers were found in Mid Western region with 13% of the total and in Far Western region, 11.8%. While Central region reported the most number of holdings growing rice, Eastern region reported the biggest area planted to rice with 500.5 thousand hectares compared with 471.0 thousand hectares found in Central region. These two regions accounted 971.5 thousand hectares of rice land or 62.9% of the total area under rice cultivation in 2001/02. Western region had 17.5% of the total rice land while Mid Western and Far Western regions reported 10.6% and 9.0%, respectively. (TABLE 6.7)

Eastern region reported the highest average of rice cropped area at 0.63 hectare, which is 40.6% of the area under temporary

crops, followed by Central region with 0.46 hectare; Far Western region with 0.42; Western region, 0.38 hectare and Mid-Western region, 0.35 hectare. The rice cropped area for the other four development regions is a little more than one-third of the total cropped area of temporary crops. When the average area sown is viewed from the holdings that were actually raising rice, the highest average was still reported by Eastern Region at 0.91 hectare followed far behind by Central region with an average of 0.59 hectare. All the other development regions reported an average sown of about half a hectare, see TABLE 6.9.

Comparatively, the proportion of holdings with less than half a hectare raising rice crop increased in 2001/02 compared with 1991/92 from 63.7% to 65.4% while the proportion of holdings raising crops in 2001/02 among holdings with area of 0.5 to less than 2 hectares stayed at par with 1991/92 but for large holdings of 2 hectares and over, there was a big decline over 1991./92 from 92.3% to 83.7% in 2001/02.

For the area planted to rice, there has been an increase to 58.7% in 2001/02 among holdings with half a hectare or less compared with only 49% of the total temporary crop areas in 1991/92. There is also an increase in the rice area of holding size 0.5 hectare to less than 2 hectares, from 58.9% in 1991/92 to 64.5% in 2001/02. The actual area increased from 649.2 thousand hectares to 824.4 thousand hectares, an increase of about 27.0%. However, among the large farms, a decrease in proportion was noted from 73.3% in 1991/92 to 70.5% in 2001/02. In actual rice area, the decline was from 704.2 thousand hectares in 1991/92 to 519.2 hectares in 2001/02, a decrease of 26.3%, see TABLE 6.11.

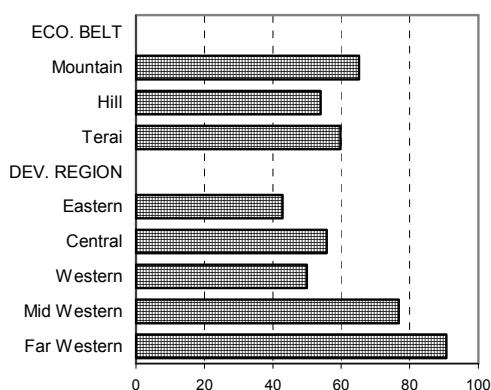
The distribution of the number of rice growers and other major cereal crops in the

different districts is shown in TABLE 6.14. Also in this table are: the average area of arable land, total area sown and average area sown by districts. The biggest rice grower in terms of area and the number of holdings is the district of Jhapa with 66.3 thousand holdings with rice in an area of 40.3 thousand hectares. However, the highest average sown was reported by Okhaldunga district at 0.62 hectare with Jhapa district following closely at 0.61 hectare. The district of Okhaldunga belongs to Eastern Hill region while Jhapa district is in Eastern Tarai. Both districts are in the eastern part of Nepal.

#### 6.4 Wheat

Wheat is becoming an important cereal grain crop during the past two decades. In

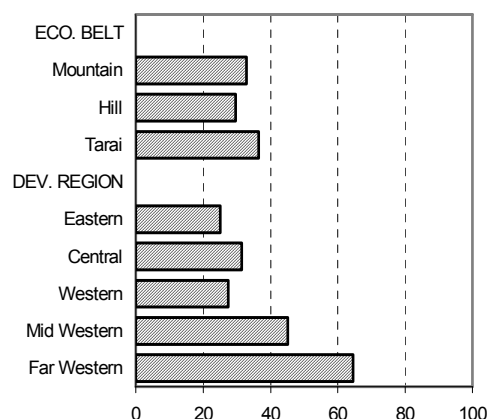
**FIGURE 6.7: WHEAT GROWERS, 2001/02, PERCENT OF HOLDINGS**



1981/82 there were only 649.5 thousand holdings or 38.5% of the total holdings raising temporary crops that planted wheat in a total area of 389.2 thousand hectares which is 15.5% of the total land under temporary crops. In 1991/92, there was a sudden increase of the number of holdings planting wheat to 1.9063 million, an increase of 151.9% over 1981/82 holdings. The wheat area also increased but not as much as the number of holdings but still a big increase of 63% over the 1981/82 figure. The increment in the number of

holdings and the area planted to wheat continued up to 2001/02. The number of holdings increased to 1.9351 million, an increase of 18.3% and the area planted to wheat also increase by 25.3%, from 633.1 thousand hectares in 1991/92 to 793.5 thousand hectares in 2001/02.

**FIGURE 6.8: WHEAT AREA, 2001/02, PERCENT OF ARABLE LAND**



As a whole, 60.1% of the total holdings in 2001/02 cultivated wheat although the total area was only 23.2% of the total cropped area under temporary crops. Of the 1.9351 holdings engaged in the propagation of wheat, 883.9 thousand or 45.7% were found in Tarai belt while 856.5 thousand or 44.3% were located in Hill belt and the rest, (194.7 thousand) were in the Mountain belt.

Among the cereal grains crops, wheat ranks second in importance in Tarai belt with 59.7% of the holdings reporting as growers while in Hill belt and Mountain belt, wheat ranks third in importance, the first two being rice and maize.

Relative to the area of arable land within the belt in proportion to the area planted to wheat, the trend is going up for all the three belts. Tarai belt registered the biggest increase proportion to the arable land from 18.8% in 1981/82 to 28.0% in 1991/92, then to 36.4% in 2001/02. There was also a big jump in the proportion of arable land

to wheat crop area in Mountain belt but this occurred between 1981/82 to 1991/92 from 13.1% in 1981/82 to 30.0% in 1991/92. However, the increase in 2001/02 was only 2.8 percentage points over the 1991/92 figure. The same trend was observed in the Hill belt where the proportion started at 14.9% in 1981/82, then increased to 25.7% in 1991/92 then to 29.7% in 2001/02.

The average area devoted to the culture of wheat is comparatively small relative to the average area planted to rice in 2001/02. Tarai belt reported the highest average size of 0.32 hectare while the Hill belt reported the least with 0.16 hectare. Mountain belt average size of wheat area was 0.22 hectare. But when the average of area sown to wheat was obtained, the average area is almost comparable to that of rice. In Tarai belt, the average area sown to wheat was 0.53 hectare, 0.36 hectare in Hill belt and 0.34 hectare in the Mountain belt. The distribution of the holdings that raise wheat by development region showed that Central Region got the biggest number of wheat growers (572.1 thousand) which is 29.6% of the total while the rest of the four regions almost equally shared in the rest of the holdings ranging from 302 thousand in Far Western region to 361 thousand in Mid-Western region, see TABLE 6.6.

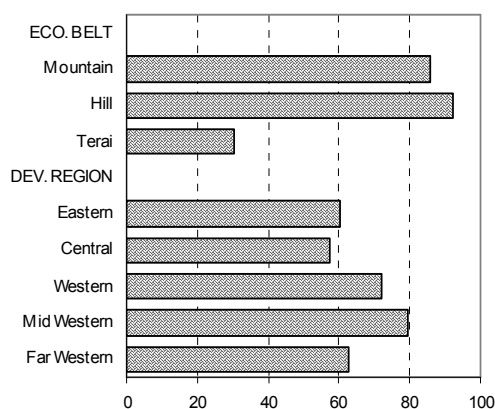
Of the 793.5 thousand hectares planted to wheat, 217.8 thousand hectares are located in Central region, which is 27.4% of the total. The second biggest area of wheat was found in Eastern region with 177.5 thousand hectares or 22.4% of the total. Almost half of the total wheat crop area was shared by the three regions as follows: 148.7 thousand or 18.7% for Mid-Western region; 133.6 thousand hectares or 16.8% for Far-Western region and 116 thousand hectares or 14.6% for Western region.

The area devoted to wheat growing in Far-Western region ranks almost equally with

rice where about 65% of the cropped areas under temporary crops were planted to wheat compared with 67% of the area under temporary crops was used in rice growing. In the other four regions, only about one-fourth of the area under temporary crops was utilized for wheat growing.

Most of the wheat growers belong to holding size of 0.5 to less than 2 hectares with 988.8 thousand holdings reporting representing about 51% of all wheat growers. Only 194.7 thousand holdings belong to the large holding group of at least 2 hectares while the rest (751.6

**FIGURE 6.9: MAIZE GROWERS, 2001/02, PERCENT OF HOLDINGS**



thousand), belong to the holding size of less than half a hectare, see TABLE 10.

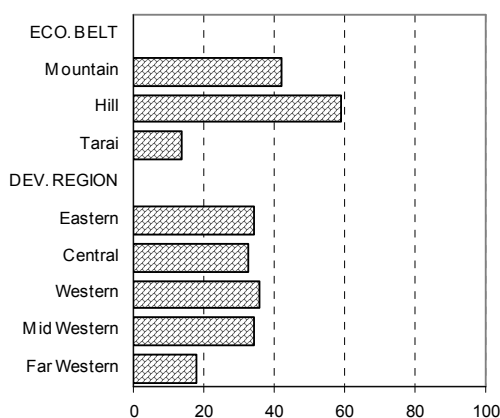
The area planted to wheat is only about one-third of the area of arable land for all the different sizes of the holding, see TABLE 6.11.

The biggest wheat growers reported among districts are those of the districts of Rupandehi and Kailali with 58.3 thousand each followed by Accham district with 41.4 thousand wheat growers. On the highest average size of wheat cropping area, the district of Bardiya reported the highest at 0.67 hectare followed by Kailali with 0.65 hectare.

## 6.5 Maize

Maize cultivation is second in importance to rice growing both in the number of holdings and the area planted to it. In 2001/02, there were 2.1663 million holdings that reported the cultivation of maize. This number represents 67.2% of the total holdings with land under temporary crops. The total crop area devoted to maize was 769.4 thousand hectares in 2001/02 which is 22.5% of the total cropped area in the same year. In 1991/92 the cropped area reported on maize was a little less at 768.7 thousand

**FIGURE 6.10: MAIZE AREA, 2001/02,  
PERCENT OF ARABLE LAND**



hectares, a difference of only 700 hectares. In short, the area devoted to maize has not improved within the last ten years.

Most of the maize growers were found in the Hill belt where 1.4618 million or 67.5% of the total maize growers were found. Within the Hill belt, maize growers comprised 92.1% of the total holdings raising temporary crops. Tarai reported a total of 448.3 thousand maize growers which is only 30.3% of the total holdings with temporary crops within Tarai belt but 20.7% of the total maize growers in Nepal while the Mountain belt reported 256.2 thousand maize growers which is 11.8% of the total holdings raising maize. However, within the belt area, the proportion of

maize growers to the total holdings with temporary crop was 85.9%, see Figure 6.9.

At the national level, the total area planted to maize is only 32.6% of the total area of arable land in 2001/02, a slight decrease when compared with the proportion in 1991/92 which was 33.1% although the area cultivated to maize did not decrease.

However, if we examine the proportion of maize area to the arable land within the belt, Tarai belt reported a very small proportion of 13.5% area of maize relative to the total arable land of 1.294 million hectares. In contrast, the Hill belt reported the highest proportion of maize area relative to the arable land at 59.1% while the Mountain belt reported 42.0%. In fact, in these two belts, maize is the most important crop area-wise. Rice is only second in importance according to the area devoted to the crop.

Central development region reported the most number of maize growers with 586.7 thousand that is equivalent to 27.1% of the total maize growers in the country. The second highest number of maize growers was found in Western region with 516.2 thousand holdings or 23.8% of the total. Eastern region reported 22.2% of the total Mid-Western region and Far Western region had 17.2% and 9.4%, respectively.

Of the 769.4 thousand hectares planted to maize, 30.5% were in Eastern region; 28.6% in Central region; 19.0% in Western region; 14.1% in Mid-western region; and 4.7% in Far Western region, see TABLE 6.7. Eastern region reported the highest average cropped area planted to maize at 0.30 hectare while the lowest average was reported by Far-Western region at 0.11 hectare. (TABLE 6.8). More than a million maize growers have holding size of less than half a hectare and another million maize growers reported their holding size between half a hectare and less than 2 hectares. Only 119.6 thousand maize

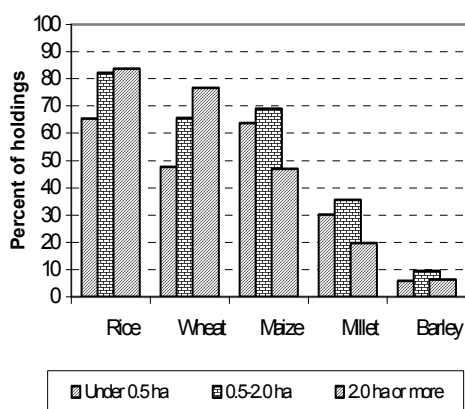


holdings belong to the large holding category. This is only 5.5% of the total maize holdings but they control 16.9% of the total area planted to maize.

## 6.6 Other cereal grains

The other cereal grains that are important in farming are millet, barley and buckwheat. In 2001/02, however, it was

FIGURE 6.11: CEREAL PRODUCERS BY SIZE OF HOLDING, NEPAL, 2001/02



observed that the number of holdings engaged in the production of millet and barley has decreased slightly. Because of the decrease, it may have affected the area planted to these two cereal grain crops. In millet for instance, there were 1.065 million holdings that planted this crop, which is 40.2% of the total holdings engaged in temporary crop farming in 1991/92.

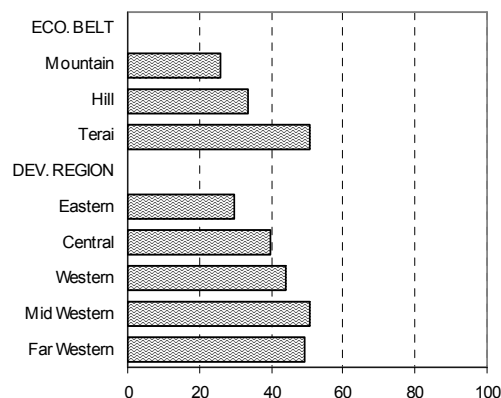
In 2001/02, the number decreased to 1.060 million holdings that resulted in the percentage of only 32.9% of the total. There was also a corresponding decrease in the area planted to millet from 301.5 thousand hectares in 1991/92 to 250.5 thousand hectares in 2001/02, a decrease of 16.9%. In the case of barley, there was also a decrease in the number of holdings planting this cereal. In 1991/92 there were 279.3 thousand holdings planting barley. This number decreased to 251 thousand or a decrease of 10.1%.

Buckwheat growing seems to have improved during the past ten years. In 1991/92 the total number of holdings engaged in the raising of buckwheat was 95.5 thousand. This number increased to 111.4 thousand, an increase of 16.6%. The area also increased from 16.3 thousand hectares to 20.8 thousand hectares, an increase of 27.6%.

## 6.7 Legumes

The cultivation of legumes was the second most important group of temporary crops raised by the holdings. In 2001/02, 1.3623 million holdings reported of having planted some kind of leguminous plants in their holding which comprised about 41.2% of all the holdings in the country

FIGURE 6.12: LEGUME GROWERS, 2001/02, PERCENT OF HOLDINGS



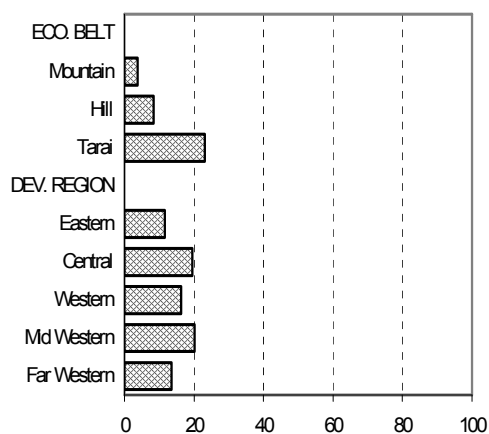
engaged in the cultivation of temporary crops. This percentage actually decreased when compared with 1991/92 where the percentage of holdings engaged in legumes cultivation was 44.1% of the total. However, the actual number of holdings did not decrease. In fact there was even an increase from 1.1916 million holdings in 1991/92 to 1.3623 million holdings with an increase of 14.3%.

The biggest number of holdings cultivating a particular kind of legume are those planting lentils with 756.1 thousand or 55.5% of the total holdings engaged in the

cultivation of legumes in 2001/02. The next biggest group composed of 257.2 thousand are holdings planting soybeans. Black grams, peas and cow pea cultivation was reported by about 170 thousand holdings each.

The area planted to legumes increased from 340.4 thousand hectares in 1991/92 to 379.4 thousand hectares in 2001/02, an increase of 11.5%. Among the legumes, lentils consisted of 62.4% of the total areas planted to legumes in 2001/02. This crop used to occupy only 47.2% of the total area devoted to legumes in 1991/92. The second important legume in terms of area planted is grass pea with 25.5 thousand hectares. Tarai belt reported the most number of holdings engaged in plating legumes with a total of 750.6 thousand which is 55.1% of the total legumes growers, while the hill belt reported 534.9 holdings or 39.3% of the total, see TABLE 6.2.

FIGURE 6.13: LEGUMES AREA, 2001/02, PERCENT OF ARABLE LAND



Of the 379.4 thousand hectares planted to legumes, 299.6 thousand hectares or about 79.0% of the total. This area represents 23.1% of the total arable land in Tarai belt. The area devoted to legumes in Hill Belt, which was 72.3 thousand hectares was only 8.4% of the total arable land in the

belt. The least percentage was reported by Mountain belt with only 3.8% of the total arable land in the belt planted to legumes.

## 6.8 Tubers

Tubers group is another group of temporary crops that are equally important to the diet of the Nepalese people. This crop is grown all over Nepal but in small scale. The average area planted was only one-tenth of a hectare, which can be considered as subsistence type of farming. In 2001/02 there were 950.1 thousand holdings raising any kind of tubers, most of which are planting potatoes both during winter and summer. The tuber growers comprise about 28.7% of all holdings engaged in raising temporary crops in 2001/02. The area used in raising tubers, however, is comparatively small in size where only 2.2% of the total areas planted to temporary crops were planted. About 91% of these area were planted with potatoes, both winter and summer potatoes.

## 6.9 Cash Crops

Cash crops for the census of agriculture purposes are non-food crops that can provide immediate cash income to the farmer since these crops are not for table consumption of the family.

However, it is noted that, in general, the number of holdings engaged in raising cash crops has been declining through the years. The number of holdings raising any of these cash crops and corresponding area being cultivated to jute, tobacco and other cash crops has been declining fast during the past 20 years. However, the trend for sugar cane seems to be increasing both in number of holdings raising it and the area cultivated. As a whole, there were only 124.6 thousand holdings engaged growing cash crops involving a total gross area of 60.6 thousand hectares in 2001/02. Most of these holdings (68.3%) were engaged in

planting sugarcane which took 85.7% (or 51.9 thousand hectares out of 60.6 thousand hectares) of the total area planted to cash crops. Of the 124.6 thousand holdings engaged in cash crop farming, 100.4 thousand or 80.6% were found in Tarai belt in the central and eastern part, although some were also found in the western, mid-western, far western part of Tarai. Only 5.5 thousand holdings were found in the mountain belt area and 18.7 thousand in the Hill belt, see TABLE 6.2. Correspondingly, most of the areas belt with 58.8 thousand hectares representing 97% of the total area.

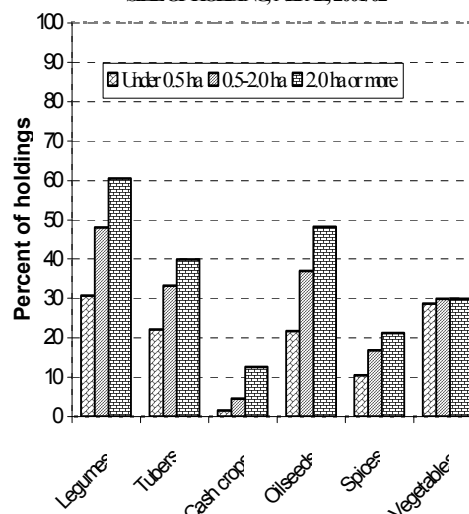
### 6.10 Oilseeds

There were 1.0214 million holdings representing 30.9% of total holdings cultivating temporary crops that reported in the growing of oilseeds of only 214.2 thousand hectares or 5% of the total cropped area in 2001/02. The number of holdings increased by less than 1% over the last ten years but the area planted to oilseeds declined by 17.6% during the same period. These declines were observed in the planting of mustard and linseed both in the number of holdings and the area planted to these two crops. The gains were posted in the groundnut and other oilseeds both in the number of holdings and area although, comparatively speaking, the number of holdings and the area devoted to these crops do not even add up to 5% of the total oilseeds.

Looking back twenty years ago, there was actually a spurt increase in the number of holdings growing oilseeds by 260.1% between 1981/82 and 1991/92, see TABLE 6.1b. This may be the reason for the minimal increase in the number of holdings growing oilseeds in the last ten years (between 1991/92 and 2001/02).

While the trend had declined between 1991/92 and 2001/02, mustard and linseed crops are still the major oilseed crops in

FIGURE 6.14: CROP GROWERS, NON-CEREAL CROPS BY SIZE OF HOLDING, NEPAL, 2001/02



Nepal. Sesame crop is also on the decline although its importance to the whole oilseed group is only 2.2% of the total cropped area for this group.

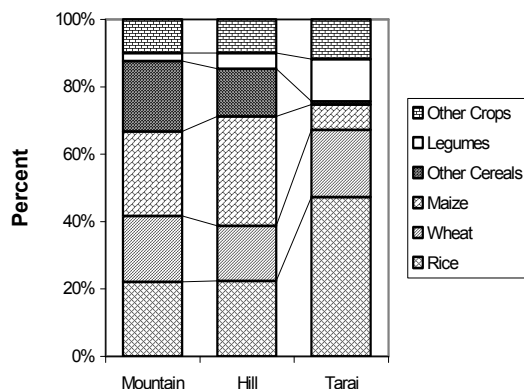
Most oilseed growers are located in Tarai (52.9%) and Hill belts (44.2%) and spread all over the different development regions. It is noted, however, that the number of holdings engaged in the growing of oilseeds in Eastern and Central regions was declining during the last ten years but the opposite is observed in the three other regions, namely: Western, Mid-western and Far Western regions, where the number of holders growing oilseeds had increased during the same period but only the area planted to oilseeds in Mid Western region had increased while that of Western region remained the same and Far Western region decreased by about half (from 28.2 thousand hectares in 1991/92 to 15.5 thousand hectares in 2001/02), see TABLE 6.7.

### 6.11 Spices

Spices as a group of crops is not considered a major crop for planting among holdings but certainly it is an important crop to the table of the Nepalese. In 2001/02 only 14.3% of the totals

holding raising temporary crops were engaged in spices growing in a very small

**FIGURE 6.15: COMPOSITION OF CROP AREA, ECOLOGICAL BELTS, 2001/02**



aggregate area of 40.7 thousand hectares which is only 1% of the total cropped area.

It is noted that there was an increase in the number of holdings growing spices between 1991/92 and 2001/02 from 336.4 thousand in 1991/92 to 473.7 thousand, an increase of 40.8%. Twenty years ago, the number of growers of this crop decreased by 21.3%. It was also noted that there was an increase of 38.9% in the total cropped area planted, from 29.3 thousand hectares to 40.7 thousand hectare between 1991/92 and 2001/02. Of the 473.7 thousand holdings engaged in growing spices, almost half of them (49%) were found in the Hill belt, 43.2% in Tarai belt and only 7.7% were in Mountain belt. The spice growers were spread across all regions with Eastern region reporting the biggest number of 144.4 thousand holdings.

## 6.12 Vegetables

Different kinds of vegetables are a common commodity in the diet of the Nepalese especially those who are vegetarian by choice. In Nepal, growing vegetables is not as lucrative as growing rice, which is a prime commodity in the food basket of a family. In 2001/02, the number of vegetable growers has not really

increased proportionally relative to other temporary crops in the last ten years having registered a proportion of 29.6% in 2001/02 compared with 28.2% in 1991/92. However, if we examine its growth as a group, the number of holdings raising vegetables had increased by 28.2% in the last ten years, from 763.1 thousand holdings to 978.1 thousand holdings in 2001/02. The area used in growing vegetables also increased by 51.9% in the last ten years (see TABLE 6.1b) although proportionally with other crops, vegetable growing shares only 1.4% of the total area under temporary crops in 2001/02, see TABLE 6.1

Majority of the holdings growing vegetables are found in Hill belt composed of 53.1% (518.9 thousand) of the total growers but a significant number (387.6 thousand) are found in Tarai belt.

In terms of area planted to vegetables, however, Tarai belt reported the most, which was 30.2 thousand hectares or a little more than half of the total crop area planted to vegetables in Nepal. The Mountain belt grows only an area of 3.7 thousand hectares.

The average area of vegetable crop was only 200 square meters for the country, which is the same size found in Hill and Tarai belts. Mountain vegetable garden is, on the average, only about 100 square meters. At the national level, the average area sown for vegetable crops in 2001/02 was 600 square meters or 0.06 hectare. Tarai belt exhibited the highest average of 800 square meters, an average use of the land 4 times a year compared with only 500 square meters each for the Hill belt and Mountain belt holdings, see Table 6.5. However, in terms of rate of usage of the vegetable area, the Mountain belt holdings reported the highest at 500%, followed by Tarai belt holdings with 400%. Hill belt holdings reported the lowest utilization rate of 250%. There may be a reason for

this low utilization rate in Hill belt. The holdings may have grown the long-maturing type of vegetables like asparagus and the like.

Vegetable growing holdings are spread all over the different development regions with the greatest number found in Central Western and Eastern regions and the least number in Far Western and Mid Western regions, see TABLE 6.6.

### 6.13 Cropping practices

Of the 3,364,139 holdings in Nepal, which include holdings with no land, 3,255,811 holdings cultivated temporary crops as a single crop or pure stand crop involving 3,990.4 million hectares. The actual physical area under temporary crops based on the land use classification in 2001/02 was 2.32612 million hectares. An indication of the double cropping, that is planting one crop in two or more cropping seasons, can be seen by the difference of the sown area and the physical area considering that mixed cropping is negligible. Based on the data on hand, there was 1.66428 million hectares double cropped in Nepal that is approximately 71.5% of the total physical area of land under temporary crops.

Mixed cropping or inter-planting of temporary crops and/or permanent crops with temporary crops is not a common practice among farmers in Nepal. In 2001/02, 667.1 holdings or 20% of the total holdings raising temporary crops practiced mixed cropping in an area of only 6.1% of the total area of temporary crops sown, see TABLE 6.15.

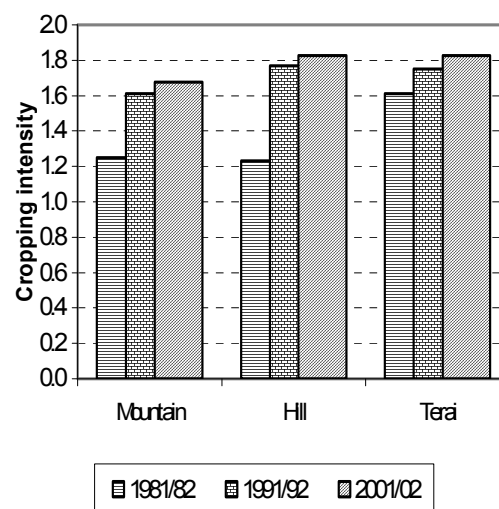
### 6.14 Cropping intensity

Cropping intensity measures the extent of the use of the land. There are two measures usually used, namely: the ratio of the area sown to temporary crops to the

total arable land, and the ratio of the area sown to temporary crops to the total physical area of land under temporary crops.

The first ratio is a gross ratio because it includes land under temporarily fallow, temporary pastures and other arable land that were not actually utilized during the reference year. These are potential croplands. The second ratio provides the actual use of the same land as many times as it was used during the reference year,

FIGURE 6.16: CROPPING INTENSITY



thus providing the actual intensity use of the land.

The graph below depicts the extent of the use of the land in the three ecological belts. TABLE 6.16 shows the comparative cropping intensities by ecological belt.

In 2001/02 Far Western and Central regions exhibited the highest cropping intensity of land use at 1.92 and 1.88, respectively.

By size of holding, those with half a hectare reported the highest cropping intensity of 2.04 compared with 1.65 only for large farms, see TABLE 6.18.



TABLE 6.1: DISTRIBUTION OF NUMBER OF HOLDINGS WITH TEMPORARY CROPS AND CROP AREA SOWN BY CROP TYPE, NEPAL,  
1981/82 to 2001/02

Crop	(In thousand)						(In Percent)					
	Holdings reporting			Crop area (ha)			% to Holdings reporting			% to Crop area reported		
	1981/82	1991/92	2001/02	1981/82	1991/92	2001/02	1981/82	1991/92	2001/02	1981/82	1991/92	2001/02
Total	2,157.4	2,701.9	3,305.4	3,315.0	4,063.0	4,251.3	100.0	100.0	100.0	100.0	100.0	100.0
Cereal grains	1,685.6	2,649.0	3,221.6	2,509.0	3,251.7	3,423.1	78.1	98.0	97.5	75.7	80.0	80.1
							100.0	100.0	100.0	100.0	100.0	100.0
Rice	1,021.7	2,037.5	2,481.6	1,394.1	1,481.2	1,544.6	60.6	76.9	77.0	55.6	45.6	45.1
Early rice	na	184.5	193.6	na	79.2	59.4	na	7.0	6.0	na	2.4	1.7
Main rice	na	1,906.3	2,334.5	na	1,333.8	1,417.1	na	72.0	72.5	na	41.0	41.4
Upland rice	na	189.9	233.1	na	68.2	68.1	na	7.2	7.2	na	2.1	2.0
Wheat	649.5	1,635.8	1,935.1	389.2	633.1	793.5	38.5	61.8	60.1	15.5	19.5	23.2
Maize	838.6	1,872.6	2,166.3	522.5	768.7	769.4	49.8	70.7	67.2	20.8	23.6	22.5
Spring/winter maize	na	225.0	1,059.9	na	94.4	111.3	na	8.5	32.9	na	2.9	3.3
Summer maize	na	1,715.7	251.0	na	674.3	658.1	na	64.8	7.8	na	20.7	19.2
Millet	709.0	1,065.8	1,060.0	154.4	301.5	250.5	42.1	40.2	32.9	6.2	9.3	7.3
Barley	183.8	279.3	251.0	27.7	46.2	39.3	10.9	10.5	7.8	1.1	1.4	1.1
Buckwheat	48.0	95.5	111.4	10.8	16.3	20.8	2.8	3.6	3.5	0.4	0.5	0.6
Other cereals	na	33.8	35.9	na	4.7	4.9	na	1.3	1.1	na	0.1	0.1
Legumes	870.0	1,191.6	1,362.3	334.6	340.4	379.4	40.3	44.1	41.2	10.1	8.4	8.9
							100.0	100.0	100.0	100.0	100.0	100.0
Soyabeans	244.6	256.6	257.2	15.9	16.7	17.8	28.1	21.5	18.9	4.8	4.9	4.7
Black gram	215.0	210.0	172.3	13.8	19.2	19.4	24.7	17.6	12.6	4.1	5.6	5.1
Red gram	111.2	143.3	104.2	18.4	20.3	12.7	12.8	12.0	7.6	5.5	6.0	3.3
Grass pea	260.2	145.2	95.5	110.1	56.6	25.5	29.9	12.2	7.0	32.9	16.6	6.7
Lentils	278.7	513.1	756.1	102.8	160.7	236.8	32.0	43.1	55.5	30.7	47.2	62.4
Gram	181.5	92.1	81.1	51.1	19.6	11.5	20.9	7.7	6.0	15.3	5.8	3.0
Peas	89.0	109.5	177.8	6.6	12.7	18.1	10.2	9.2	13.1	2.0	3.7	4.8
Green gram	na	17.8	16.3	na	4.2	3.4	na	1.5	1.2	na	1.2	0.9
Horse gram	100.8	88.7	82.0	7.4	14.2	10.6	11.6	7.4	6.0	2.2	4.2	2.8
Cow pea	na	134.3	171.1	na	5.9	10.6	na	11.3	12.6	na	1.7	2.8
Other legumes	63.1	131.9	135.6	6.7	10.3	13.0	7.3	11.1	10.0	2.0	3.0	3.4

TABLE 6.1: DISTRIBUTION OF NUMBER OF HOLDINGS WITH TEMPORARY CROPS AND CROP AREA SOWN BY CROP TYPE, NEPAL, 1981/82 to 2001/02

Crop	(In thousand)						(In Percent)					
	Holdings reporting			Crop area (ha)			% to Holdings reporting			% to Crop area reported		
	1981/82	1991/92	2001/02	1981/82	1991/92	2001/02	1981/82	1991/92	2001/02	1981/82	1991/92	2001/02
Tubers	376.5	814.5	950.1	86.0	79.2	92.5	17.5	30.1	28.7	2.6	1.9	2.2
							100.0	100.0	100.0	100.0	100.0	100.0
Potatoes	193.2	734.7	857.5	67.4	70.5	83.9	51.3	90.2	90.3	78.4	89.0	90.6
Winter potatoes	na	543.2	649.1	na	40.0	48.8	na	66.7	68.3	na	50.5	52.7
Summer potatoes	na	205.3	231.7	na	30.5	35.1	na	25.2	24.4	na	38.5	37.9
Sweet potatoes	68.2	36.5	21.0	7.3	3.0	1.7	18.1	4.5	2.2	8.5	3.8	1.8
Colocasia	147.7	85.1	136.9	7.9	4.4	5.2	39.2	10.4	14.4	9.2	5.6	5.6
Other tubers	26.1	23.9	22.6	5.3	1.3	1.8	6.9	2.9	2.4	6.2	1.6	1.9
Cash crops	242.0	169.2	124.6	86.0	62.9	60.6	11.2	6.3	3.8	2.6	1.5	1.4
							100.0	100.0	100.0	100.0	100.0	100.0
Sugar cane	60.2	82.6	85.1	32.5	36.6	51.9	24.9	48.8	68.3	37.8	58.2	85.7
Jute	74.5	52.1	20.4	43.1	20.5	4.7	30.8	30.8	16.4	50.1	32.6	7.7
Tobacco	116.4	33.8	14.1	8.7	4.7	2.5	48.1	20.0	11.3	10.1	7.5	4.1
Other cash crops	15.1	6.1	7.2	1.7	1.1	1.5	6.2	3.6	5.8	2.0	1.7	2.4
Oilseeds	281.4	1,013.2	1,021.4	224.1	260.1	214.2	13.0	37.5	30.9	6.8	6.4	5.0
							100.0	100.0	100.0	100.0	100.0	100.0
Mustard	107.8	858.2	851.5	153.8	182.4	149.0	38.3	84.7	83.4	68.6	70.1	69.5
Groundnut	59.0	18.8	25.1	4.3	1.9	2.8	21.0	1.9	2.5	1.9	0.7	1.3
Linseed	190.8	209.9	203.0	58.9	67.7	54.5	67.8	20.7	19.9	26.3	26.0	25.4
Sesame	48.8	36.2	32.1	3.5	5.6	4.8	17.3	3.6	3.1	1.6	2.2	2.2
Other oilseeds	25.5	18.2	23.8	3.6	2.5	3.1	9.1	1.8	2.3	1.6	1.0	1.5



TABLE 6.1: DISTRIBUTION OF NUMBER OF HOLDINGS WITH TEMPORARY CROPS AND CROP AREA SOWN BY CROP TYPE, NEPAL,  
1981/82 to 2001/02

Crop	(In thousand)						(In Percent)					
	Holdings reporting			Crop area (ha)			% to Holdings reporting			% to Crop area reported		
	1981/82	1991/92	2001/02	1981/82	1991/92	2001/02	1981/82	1991/92	2001/02	1981/82	1991/92	2001/02
Spices	427.7	336.4	473.7	58.1	29.3	40.7	19.8	12.5	14.3	1.8	0.7	1.0
Chilli	264.6	126.8	139.3	8.0	3.9	4.1	100.0	100.0	100.0	100.0	100.0	100.0
Onion	182.9	130.1	197.2	7.5	4.7	6.4	61.9	37.7	29.4	13.8	13.3	10.2
Garlic	186.1	125.4	172.7	31.5	2.2	3.3	42.8	38.7	41.6	12.9	16.0	15.6
Ginger	109.5	53.5	103.7	4.2	3.4	10.2	43.5	37.3	36.4	54.2	7.5	8.2
Turmeric	131.7	27.2	50.6	4.2	3.4	10.2	25.6	15.9	21.9	7.2	11.6	25.1
Cardamom	131.7	27.2	50.6	3.9	0.8	1.3	30.8	8.1	10.7	6.7	2.7	3.2
Coriander	10.4	20.8	29.8	1.7	10.6	11.0	2.4	6.2	6.3	2.9	36.2	27.1
Other spices	na	43.5	70.0	na	3.2	3.5	na	12.9	14.8	na	10.9	8.6
	35.1	14.9	11.4	1.3	0.4	0.8	8.2	4.4	2.4	2.2	1.4	2.1
Vegetables	324.2	763.1	978.1	17.2	39.5	60.0	15.0	28.2	29.6	0.5	1.0	1.4
							100.0	100.0	100.0	100.0	100.0	100.0
Winter vegetables	na	588.5	781.9	na	24.4	38.4	na	77.1	79.9	na	61.8	64.0
Summer vegetables	na	398.0	511.7	na	15.1	21.6	na	52.2	52.3	na	38.2	36.0
Summary:												
Holdings with temporary crops	2,157.4	2,701.9	3,305.4	...	...	...	100.0	100.0	100.0	...	...	...
Total land holdings	2,185.7	2,703.9	3,337.4	...	...	...	101.3	100.1	101.8	...	...	...
Area of all temporary crops	...	...	...	3,315.0	4,063.0	4,251.3	...	...	...	100.0	100.0	100.0

TABLE 6.1a: DISTRIBUTION OF NUMBER OF HOLDINGS WITH TEMPORARY CROPS AND CROP AREA SOWN BY CROP TYPE OF FEMALE AND MALE HOLDERS, NEPAL, 2001/02

Crop	(In thousand)						(In Percent)					
	Holdings reporting			Crop area (ha)			% to Holdings reporting			% to Crop area reported		
	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total
Total	269.0	3,036.4	3,305.4	224.9	4,050.8	4,251.3	100.0	100.0	100.0	100.0	100.0	100.0
Cereal grains	258.3	2,963.3	3,221.6	184.8	3,238.3	3,423.1	96.0	97.6	97.5	82.1	79.9	80.1
							100.0	100.0	100.0	100.0	100.0	100.0
Rice	na	na	2,481.6	68.6	1,476.0	1,544.6	na	na	77.0	37.1	45.6	45.1
Early rice	14.1	179.4	193.6	3.4	55.9	59.4	5.5	6.1	6.0	1.9	1.7	1.7
Main rice	165.1	2,169.4	2,334.5	62.7	1,354.5	1,417.1	63.9	73.2	72.5	33.9	41.8	41.4
Upland rice	14.7	218.4	233.1	2.5	65.6	68.1	5.7	7.4	7.2	1.3	2.0	2.0
Wheat	127.2	1,807.9	1,935.1	35.4	758.1	793.5	49.2	61.0	60.1	19.2	23.4	23.2
Maize	na	na	2,166.3	56.7	712.7	769.4	na	na	67.2	30.7	22.0	22.5
Spring/winter maize	32.6	1,027.3	1,059.9	8.7	102.6	111.3	12.6	34.7	32.9	4.7	3.2	3.3
Summer maize	185.0	65.9	251.0	48.0	610.1	658.1	71.6	2.2	7.8	26.0	18.8	19.2
Millet	108.1	951.9	1,060.0	19.8	230.7	250.5	41.9	32.1	32.9	10.7	7.1	7.3
Barley	18.0	233.0	251.0	2.5	36.8	39.3	7.0	7.9	7.8	1.4	1.1	1.1
Buckwheat	9.0	102.4	111.4	1.5	19.3	20.8	3.5	3.5	3.5	0.8	0.6	0.6
Other cereals	2.2	33.7	35.9	0.2	4.7	4.9	0.8	1.1	1.1	0.1	0.1	0.1
Legumes	92.9	1,269.3	1,362.3	16.1	363.3	379.4	34.5	41.8	41.2	7.2	9.0	8.9
							100.0	100.0	100.0	100.0	100.0	100.0
Soyabeans	24.3	232.9	257.2	1.2	16.6	17.8	26.1	18.3	18.9	7.2	4.6	4.7
Black gram	18.2	154.0	172.3	1.7	17.7	19.4	19.6	12.1	12.6	10.6	4.9	5.1
Red gram	4.0	100.2	104.2	0.5	12.1	12.7	4.3	7.9	7.6	3.3	3.3	3.3
Grass pea	3.2	92.3	95.5	0.9	24.7	25.5	3.4	7.3	7.0	5.3	6.8	6.7
Lentils	33.4	722.7	756.1	7.9	228.9	236.8	35.9	56.9	55.5	48.9	63.0	62.4
Gram	4.7	76.4	81.1	0.5	11.0	11.5	5.0	6.0	6.0	3.2	3.0	3.0
Peas	10.8	167.0	177.8	0.7	17.4	18.1	11.7	13.2	13.1	4.5	4.8	4.8
Green gram	0.5	15.8	16.3	0.1	3.3	3.4	0.6	1.2	1.2	0.6	0.9	0.9
Horse gram	6.5	75.5	82.0	0.7	9.9	10.6	7.0	5.9	6.0	4.4	2.7	2.8
Cow pea	19.0	152.1	171.1	0.9	9.7	10.6	20.5	12.0	12.6	5.3	2.7	2.8
Other legumes	12.8	122.8	135.6	1.1	12.0	13.0	13.8	9.7	10.0	6.7	3.3	3.4
Tubers	74.9	875.2	950.1	6.0	86.6	92.5	27.8	28.8	28.7	2.7	2.1	2.2
							100.0	100.0	100.0	100.0	100.0	100.0
Potatoes	na	na	857.5	5.3	78.6	83.9	na	na	90.3	88.7	90.7	90.6
Winter potatoes	47.4	601.6	649.1	2.9	45.9	48.8	63.3	68.7	68.3	48.3	53.0	52.7
Summer potatoes	17.2	214.5	231.7	2.4	32.7	35.1	23.0	24.5	24.4	40.4	37.7	37.9
Sweet potatoes	1.8	19.2	21.0	0.1	1.6	1.7	2.4	2.2	2.2	1.6	1.9	1.8
Colocasia	16.3	120.6	136.9	0.4	4.8	5.2	21.7	13.8	14.4	7.3	5.5	5.6
Other tubers	1.6	21.0	22.6	0.1	1.7	1.8	2.1	2.4	2.4	2.4	1.9	1.9
Cash crops	4.4	120.194	124.6	1.3	59.3	60.6	1.6	4.0	3.8	0.6	1.5	1.4
							100.0	100.0	100.0	100.0	100.0	100.0
Sugar cane	2.5	82.7	85.1	1.0	50.9	51.9	56.6	68.8	68.3	77.6	85.9	85.7
Jute	1.0	19.5	20.4	0.1	4.6	4.7	22.0	16.2	16.4	8.7	7.7	7.7
Tobacco	0.5	13.6	14.1	0.0	2.5	2.5	11.3	11.3	11.3	2.1	4.2	4.1
Other cash crops	0.5	6.7	7.2	0.2	1.3	1.5	11.7	5.6	5.8	11.6	2.2	2.4

TABLE 6.1a: DISTRIBUTION OF NUMBER OF HOLDINGS WITH TEMPORARY CROPS AND CROP AREA SOWN BY CROP TYPE OF FEMALE AND MALE HOLDERS, NEPAL, 2001/02

Crop	(In thousand)						(In Percent)					
	Holdings reporting			Crop area (ha)			% to Holdings reporting			% to Crop area reported		
	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total
Oilseeds	73.8	947.556	1,021.4	11.2	203.0	214.2	27.4	31.2	30.9	5.0	5.0	5.0
							100.0	100.0	100.0	100.0	100.0	100.0
Mustard	66.2	785.3	851.5	9.0	139.9	149.0	89.7	82.9	83.4	80.7	68.9	69.5
Groundnut	1.5	23.6	25.1	0.1	2.7	2.8	2.1	2.5	2.5	1.0	1.3	1.3
Linseed	7.5	195.5	203.0	1.6	53.0	54.5	10.1	20.6	19.9	13.9	26.1	25.4
Sesame	2.3	29.9	32.1	0.3	4.5	4.8	3.1	3.2	3.1	2.9	2.2	2.2
Other oilseeds	1.3	22.5	23.8	0.2	3.0	3.1	1.8	2.4	2.3	1.6	1.5	1.5
Spices	35.3	438.437	473.7	1.8	38.9	40.7	13.1	14.4	14.3	0.8	1.0	1.0
							100.0	100.0	100.0	100.0	100.0	100.0
Chilli	9.2	130.2	139.3	0.2	3.9	4.1	25.9	29.7	29.4	11.4	10.1	10.2
Onion	13.2	184.0	197.2	0.2	6.1	6.4	37.5	42.0	41.6	13.6	15.7	15.6
Garlic	15.2	157.5	172.7	0.2	3.1	3.3	43.0	35.9	36.4	12.0	8.0	8.2
Ginger	10.7	93.0	103.7	0.4	9.8	10.2	30.3	21.2	21.9	25.1	25.1	25.1
Turmeric	4.6	46.0	50.6	0.1	1.2	1.3	13.0	10.5	10.7	3.9	3.1	3.2
Cardamom	1.7	28.1	29.8	0.5	10.6	11.0	4.7	6.4	6.3	27.1	27.1	27.1
Coriander	4.6	65.4	70.0	0.1	3.4	3.5	13.0	14.9	14.8	4.7	8.7	8.6
Other spices	1.0	10.4	11.4	0.0	0.8	0.8	3.0	2.4	2.4	2.3	2.1	2.1
Vegetables	na	na	978.1	3.8	56.2	60.0	na	na	29.6	1.7	1.4	1.4
	120.0*	1173.6*					100.0	100.0	100.0	100.0	100.0	100.0
Winter vegetables	71.7	710.3	781.9	2.4	36.0	38.4	59.7	60.5	79.9	63.6	64.0	64.0
Summer vegetables	48.3	463.4	511.7	1.4	20.3	21.6	40.3	39.5	52.3	36.4	36.0	36.0
Summary:												
Holdings with temporary crops	269.0	3,039.7	3,305.4	...	...	...	100.0	100.0	100.0	...	...	...
Total land holdings	269.0	3,068.4	3,337.4	...	...	...	100.0	100.9	100.9	...	...	...
Area of all temporary crops	...	...	...	224.9	4,050.8	4,251.3	...	...	...	100.0	100.0	100.0

\*Obtained the sum of winter and summer vegetables holdings for purposes of generating percentage distribution by season.

TABLE 6.1b: PERCENT INCREASE IN THE NUMBER OF HOLDINGS WITH TEMPORARY CROPS AND CROP AREA SOWN BY CROP TYPE, NEPAL, 1981/82 to 2001/02

Crop	(In thousand)						Percent Increase			
	Holdings reporting			Crop area (ha)			Holdings		Crop Area	
	1981/82	1991/92	2001/02	1981/82	1991/92	2001/02	1981-1991	1991-2001	1981-1991	1991-2001
Total	2,157.4	2,701.9	3,305.4	3,315.0	4,063.0	4,275.7	25.2	22.3	22.6	5.2
Cereal grains	1,685.6	2,649.0	3,221.6	2,509.0	3,251.7	3,423.1	57.2	21.6	29.6	5.3
Rice	1,021.7	2,037.5	2,481.6	1,394.1	1,481.2	1,544.6	99.4	21.8	6.2	4.3
Wheat	649.5	1,635.8	1,935.1	389.2	633.1	793.5	151.9	18.3	62.7	25.3
Maize	838.6	1,872.6	2,166.3	522.5	768.7	769.4	123.3	15.7	47.1	0.1
Millet	709.0	1,065.8	1,060.0	154.4	301.5	250.5	50.3	-0.5	95.3	-16.9
Barley	183.8	279.3	251.0	27.7	46.2	39.3	52.0	-10.1	66.8	-14.9
Buckwheat	48.0	95.5	111.4	10.8	16.3	20.8	99.0	16.6	50.9	27.7
Other cereals	na	33.8	35.9	na	4.7	4.9	na	6.2	na	5.1
Legumes	870.0	1,191.6	1,362.3	334.6	340.4	379.4	37.0	14.3	1.7	11.5
Tubers	376.5	814.5	950.1	86.0	79.2	92.5	116.3	16.6	-7.9	16.9
Cash crops	242.0	169.2	124.6	86.0	62.9	60.6	-30.1	-26.4	-26.9	-3.7
Oilseeds	281.4	1,013.2	1,021.4	224.1	260.1	214.2	260.1	0.8	16.1	-17.6
Spices	427.7	336.4	473.7	58.1	29.3	40.7	-21.3	40.8	-49.6	38.8
Vegetables	324.2	763.1	978.1	17.2	39.5	60.0	135.4	28.2	129.7	51.9
Summary:										
Holdings w/ temporary crops	2,157.4	2,701.9	3,305.4	...	...	...	25.2	22.3	...	...
Total land holdings	2,185.7	2,703.9	3,337.4	...	...	...	23.7	23.4	...	...
Area of all temporary crops	...	...	...	3,315.0	4,063.0	4,251.3	...	...	22.6	5.2

TABLE 6.2: NUMBER AND PERCENT OF HOLDINGS WITH TEMPORARY CROPS BY CROP TYPE AND ECOLOGICAL BELT, 1981/82, 1991/92 AND 2001/02

[illegible]

TABLE 6.3: AREA UNDER TEMPORARY CROPS BY CROP TYPE AND ECOLOGICAL BELT, 1981/82, 1991/92 and 2001/02

[illegible]

TABLE 6.4: AVERAGE AREA UNDER TEMPORARY CROPS BY CROP TYPE AND ECOLOGICAL BELT, 2001/02

Crop	Mountain		Hill		Tarai		Nepal	
	Average area (ha)	Percent	Average area (ha)	Percent	Average area (ha)	Percent	Average area (ha)	Percent
Cereal grains	0.98	87.6	0.85	85.2	1.21	75.6	1.03	80.1
Rice	0.25	22.1	0.22	22.4	0.76	47.3	0.46	36.1
Wheat	0.22	19.6	0.16	16.3	0.32	19.9	0.24	18.6
Maize	0.28	25.0	0.32	32.4	0.12	7.4	0.23	18.0
Millet	0.16	14.0	0.12	11.9	0.01	0.7	0.08	5.9
Barley	0.05	4.5	0.01	1.4	0.00	0.1	0.01	0.9
Legumes	0.03	2.3	0.05	4.6	0.20	12.7	0.11	8.9
Tubers	0.07	5.9	0.03	3.0	0.02	1.1	0.03	2.2
Cash crops	0.00	0.1	0.00	0.1	0.04	2.5	0.02	1.4
Oilseeds	0.01	0.9	0.04	4.1	0.10	6.2	0.06	5.0
Spices	0.02	2.1	0.01	1.2	0.01	0.6	0.01	1.0
Vegetables	0.01	1.1	0.02	1.7	0.02	1.3	0.02	1.4
Total temp. crops	1.12	100.0	0.99	100.0	1.64	100.0	1.29	100.0
Ave. size of holding	0.73	...	0.65	...	0.94	...	0.79	...

TABLE 6.5: AVERAGE AREA SOWN PER CROP GROWER BY CROP TYPE AND ECOLOGICAL BELT, 1981/82, 1991/92 AND 2001/02

Crop	(In hectares)											
	Mountain			Hill			Terai			Nepal		
	1981/82	1991/92	2001/02	1981/82	1991/92	2001/02	1981/82	1991/92	2001/02	1981/82	1991/92	2001/02
Cereal grains	0.69	0.88	1.00	1.06	1.01	0.86	2.24	1.59	1.31	1.49	1.23	1.06
Rice	0.51	0.28	0.37	0.81	0.37	0.35	1.75	1.15	0.88	1.36	0.73	0.62
Wheat	0.44	0.26	0.34	0.48	0.30	0.30	0.71	0.52	0.53	0.60	0.39	0.41
Maize	0.45	0.30	0.33	0.58	0.41	0.35	0.87	0.48	0.39	0.62	0.41	0.36
Millet	0.18	0.23	0.25	0.23	0.29	0.23	0.22	0.32	0.29	0.22	0.28	0.24
Barley	0.22	0.18	0.19	0.11	0.16	0.14	0.19	0.17	0.19	0.15	0.17	0.16
Legumes	0.09	0.07	0.10	0.11	0.13	0.14	0.67	0.44	0.40	0.38	0.29	0.28
Tubers	0.28	0.14	0.17	0.21	0.11	0.10	0.27	0.07	0.07	0.23	0.10	0.10
Cash crops	0.07	0.05	0.06	0.16	0.06	0.08	0.41	0.45	0.59	0.36	0.37	0.49
Oilseeds	0.15	0.11	0.10	0.46	0.14	0.14	0.96	0.35	0.27	0.80	0.26	0.21
Spices	0.04	0.13	0.19	0.06	0.08	0.08	0.26	0.08	0.07	0.14	0.09	0.09
Vegetables	0.05	0.03	0.05	0.03	0.04	0.05	0.10	0.07	0.08	0.05	0.05	0.06

NOTE: The figures refer to the average area sown for holdings with the crop.

TABLE 6.6: NUMBER AND PERCENT OF HOLDINGS WITH TEMPORARY CROPS BY CROP TYPE AND DEVELOPMENT REGION, 1981/82, 1991/92 AND 2001/02

Crop	Eastern			Central			Western			Mid Western			Far Western			Nepal		
	1981/82	1991/92	2001/02	1981/82	1991/92	2001/02	1981/82	1991/92	2001/02	1981/82	1991/92	2001/02	1981/82	1991/92	2001/02	1981/82	1991/92	2001/02
Number of holdings ('000)																		
Cereal grains	388.0	606.1	747.4	533.3	826.7	996.9	393.7	595.4	698.1	229.5	362.7	455.4	141.1	258.2	323.8	1,685.6	2,649.0	3,221.6
Rice	234.2	468.4	552.0	380.6	655.2	803.3	227.0	439.1	511.4	105.9	248.9	322.4	74.0	225.8	292.6	1,021.7	2,037.5	2,481.6
Wheat	86.5	283.8	342.8	253.8	494.5	572.1	152.4	320.4	357.1	96.8	300.8	360.8	59.9	236.3	302.2	649.5	1,635.8	1,935.1
Maize	128.4	401.7	480.9	239.7	506.5	586.7	264.3	448.7	516.2	142.3	312.3	372.8	63.9	203.4	209.7	838.6	1,872.6	2,166.3
Millet	150.5	271.1	256.7	156.5	305.3	304.1	225.2	318.2	332.5	115.0	90.4	81.1	61.9	80.9	85.6	709.0	1,065.8	1,060.0
Barley	18.3	12.1	10.5	39.7	18.1	22.8	28.1	53.5	41.6	68.4	116.5	96.5	29.4	79.1	79.7	183.8	279.3	251.0
Legumes	196.9	239.0	237.9	299.9	398.7	406.1	161.2	239.2	315.3	131.9	181.4	238.6	80.1	133.3	164.4	870.0	1,191.6	1,362.3
Tubers	95.7	241.1	258.3	80.9	202.1	194.6	101.9	186.2	243.4	70.5	116.3	148.2	27.5	68.7	105.6	376.5	814.5	950.1
Cash crops	99.4	60.9	31.4	58.1	52.3	49.4	29.9	27.8	22.1	42.1	11.0	11.5	12.5	17.1	10.3	242.0	169.2	124.6
Oilseeds	55.6	218.7	196.7	82.7	298.1	271.5	55.4	232.4	248.6	60.2	152.4	188.6	27.6	111.5	116.0	281.4	1,013.2	1,021.4
Spices	100.7	105.3	144.4	74.5	87.8	79.5	96.2	55.9	94.8	96.3	43.1	81.3	60.0	44.4	73.6	427.7	336.4	473.7
Vegetables	79.3	221.3	209.1	61.6	223.2	238.2	71.1	137.0	232.2	76.0	114.2	165.9	36.2	67.3	132.7	324.2	763.1	978.1
Holdings with crops	568.8	627.9	783.7	694.0	842.7	1,018.7	447.9	603.1	706.7	274.4	368.3	466.3	172.2	260.0	330.0	2,157.4	2,701.9	3,305.4
Total land holdings	576.2	628.5	799.7	705.9	843.7	1,026.9	452.7	603.3	715.8	276.6	368.3	469.5	174.3	260.1	333.0	2,185.7	2,703.9	3,337.4
Percent of holdings																		
Cereal grains	67.3	96.4	93.5	75.5	98.0	97.1	87.0	98.7	97.5	83.0	98.5	97.0	80.9	99.3	97.3	77.1	98.0	96.5
Rice	40.6	74.5	69.0	53.9	77.7	78.2	50.2	72.8	71.4	38.3	67.6	68.7	42.4	86.8	87.9	46.7	75.4	74.4
Wheat	15.0	45.2	42.9	36.0	58.6	55.7	33.7	53.1	49.9	35.0	81.7	76.9	34.4	90.9	90.8	29.7	60.5	58.0
Maize	22.3	63.9	60.1	33.9	60.0	57.1	58.4	74.4	72.1	51.5	84.8	79.4	36.7	78.2	63.0	38.4	69.3	64.9
Millet	26.1	43.1	32.1	22.2	36.2	29.6	49.7	52.7	46.5	41.6	24.5	17.3	35.5	31.1	25.7	32.4	39.4	31.8
Barley	3.2	1.9	1.3	5.6	2.1	2.2	6.2	8.9	5.8	24.7	31.6	20.5	16.8	30.4	23.9	8.4	10.3	7.5
Legumes	34.2	38.0	29.7	42.5	47.3	39.5	35.6	39.6	44.1	47.7	49.2	50.8	45.9	51.3	49.4	39.8	44.1	40.8
Tubers	16.6	38.4	32.3	11.5	24.0	19.0	22.5	30.9	34.0	25.5	31.6	31.6	15.7	26.4	31.7	17.2	30.1	28.5
Cash crops	17.2	9.7	3.9	8.2	6.2	4.8	6.6	4.6	3.1	15.2	3.0	2.4	7.2	6.6	3.1	11.1	6.3	3.7
Oilseeds	9.6	34.8	24.6	11.7	35.3	26.4	12.2	38.5	34.7	21.8	41.4	40.2	15.8	42.9	34.8	12.9	37.5	30.6
Spices	17.5	16.7	18.1	10.6	10.4	7.7	21.3	9.3	13.2	34.8	11.7	17.3	34.4	17.1	22.1	19.6	12.4	14.2
Vegetables	13.8	35.2	26.2	8.7	26.5	23.2	15.7	22.7	32.4	27.5	31.0	35.3	20.8	25.9	39.9	14.8	28.2	29.3
Total land holdings	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0



TABLE 6.7: AREA UNDER TEMPORARY CROPS BY CROP TYPE AND DEVELOPMENT REGION, 1981/82, 1991/92 AND 2001/02

Crop	Eastern			Central			Western			Mid Western			Far Western			Nepal		
	1981/82	1991/92	2001/02	1981/82	1991/92	2001/02	1981/82	1991/92	2001/02	1981/82	1991/92	2001/02	1981/82	1991/92	2001/02	1981/82	1991/92	2001/02
Area (' 000 ha)																		
Cereal grains	699.0	941.4	1,013.3	856.2	950.1	1,011.1	494.0	673.2	610.3	305.4	407.1	461.4	154.4	279.9	327.0	2,509.0	3,251.7	3,423.1
Rice	463.4	489.0	500.5	465.7	449.3	471.0	253.3	290.6	270.6	137.6	131.0	164.1	74.1	121.3	138.4	1,394.1	1,481.2	1,544.6
Wheat	62.0	118.4	177.5	163.2	183.1	217.8	77.7	114.9	116.0	51.4	122.6	148.7	34.8	94.0	133.6	389.2	633.1	793.5
Maize	124.9	224.2	242.3	171.5	216.7	227.0	109.8	167.5	150.7	82.7	113.7	112.1	33.7	46.6	37.3	522.5	768.7	769.4
Millet		100.6	84.0	43.1	92.1	82.8	42.1	85.9	62.2	16.1	13.4	12.0	10.0	9.6	9.5	154.4	301.5	250.5
Barley	2.7	2.7	2.4	8.4	3.1	3.1	5.6	10.7	7.5	7.1	21.9	18.7	3.9	7.8	7.6	27.7	46.2	39.3
Legumes	83.9	78.8	81.7	170.9	127.0	134.7	26.1	48.5	68.7	34.3	50.3	66.4	19.4	35.7	27.9	334.6	340.4	379.4
Tubers	37.2	31.6	32.8	25.9	23.4	27.1	11.8	13.8	14.2	8.1	6.5	12.4	3.1	4.0	6.0	86.0	79.2	92.5
Cash crops	51.1	23.7	11.2	23.6	25.5	36.6	9.3	11.0	8.3	1.1	0.8	1.3	0.9	1.8	3.2	86.0	62.9	60.6
Oilseeds	65.3	74.6	58.7	77.9	79.3	54.5	18.2	45.1	45.1	43.2	32.9	40.2	19.5	28.2	15.5	224.1	260.1	214.2
Spices	11.0	16.7	19.4	5.4	5.7	6.1	31.6	3.4	4.6	5.2	1.7	8.3	4.9	1.7	2.3	58.1	29.3	40.7
Vegetables	9.5	13.6	14.4	2.6	12.9	19.1	1.7	5.2	9.9	1.9	4.3	10.4	1.5	3.5	6.3	17.2	39.5	60.0
Total temp. crops	957.0	1,180.5	1,233.6	1,162.6	1,223.9	1,290.2	592.5	800.2	762.1	399.2	503.7	600.9	203.7	354.7	388.9	3,315.0	4,063.0	4,251.3
Arable land	722.3	699.8	709.2	763.0	668.3	690.3	418.2	474.3	421.0	244.3	292.0	329.7	139.6	189.1	206.7	2,287.5	2,323.4	2,357.0
Percent of arable land																		
Cereal grains																		
Rice	64.2	69.9	70.6	61.0	67.2	68.2	60.6	61.3	64.3	56.3	44.9	49.8	53.1	64.2	67.0	60.9	63.8	65.5
Wheat	8.6	16.9	25.0	21.4	27.4	31.6	18.6	24.2	27.6	21.0	42.0	45.1	25.0	49.7	64.6	17.0	27.2	33.7
Maize	17.3	32.0	34.2	22.5	32.4	32.9	26.2	35.3	35.8	33.8	39.0	34.0	24.1	24.6	18.1	22.8	33.1	32.6
Millet	6.0	14.4	11.8	5.6	13.8	12.0	10.1	18.1	14.8	6.6	4.6	3.6	7.2	5.1	4.6	6.8	13.0	10.6
Barley	0.4	0.4	0.3	1.1	0.5	0.5	1.3	2.3	1.8	2.9	7.5	5.7	2.8	4.1	3.7	1.2	2.0	1.7
Legumes	11.6	11.3	11.5	22.4	19.0	19.5	6.2	10.2	16.3	14.0	17.2	20.1	13.9	18.9	13.5	14.6	14.6	16.1
Tubers	5.2	4.5	4.6	3.4	3.5	3.9	2.8	2.9	3.4	3.3	2.2	3.8	2.2	2.1	2.9	3.8	3.4	3.9
Cash crops	7.1	3.4	1.6	3.1	3.8	5.3	2.2	2.3	2.0	0.5	0.3	0.4	0.6	1.0	1.5	3.8	2.7	2.6
Oilseeds	9.0	10.7	8.3	10.2	11.9	7.9	4.3	9.5	10.7	17.7	11.3	12.2	14.0	14.9	7.5	9.8	11.2	9.1
Spices	1.5	2.4	2.7	0.7	0.9	0.9	7.6	0.7	1.1	2.1	0.6	2.5	3.5	0.9	1.1	2.5	1.3	1.7
Vegetables	1.3	1.9	2.0	0.3	1.9	2.8	0.4	1.1	2.3	0.8	1.5	3.1	1.1	1.8	3.0	0.8	1.7	2.5
Arable land	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 6.8: AVERAGE AREA UNDER TEMPORARY CROPS BY CROP TYPE  
AND DEVELOPMENT REGION, 2001/02

Crop	Eastern		Central		Western		Mid Western		Far Western		Nepal	
	Average Area (ha)	%	Average Area (ha)	%	Average Area (ha)	%	Average Area (ha)	%	Average Area (ha)	%	Average Area (ha)	%
Cereal grains	1.27	82.1	0.98	78.4	0.85	80.1	0.99	76.5	0.99	75.8	1.03	80.1
Rice	0.63	40.6	0.46	36.5	0.38	35.5	0.35	34.5	0.42	36.4	0.46	36.1
Wheat	0.22	14.4	0.21	16.9	0.16	15.2	0.32	12.9	0.40	17.1	0.24	18.6
Maize	0.30	19.6	0.22	17.6	0.21	19.8	0.24	20.7	0.11	16.5	0.23	18.0
Millet	0.11	6.8	0.08	6.4	0.09	8.2	0.03	4.0	0.03	4.9	0.08	5.9
Barley	0.00	0.2	0.00	0.2	0.01	1.0	0.04	1.8	0.02	1.9	0.01	0.9
Legumes	0.10	6.6	0.13	10.4	0.10	9.0	0.14	8.6	0.08	9.5	0.11	8.9
Tubers	0.04	2.7	0.03	2.1	0.02	1.9	0.03	2.0	0.02	1.5	0.03	2.2
Cash crops	0.01	0.9	0.04	2.8	0.01	1.1	1.10.00	0.3	0.01	0.4	0.02	1.4
Oilseeds	0.07	4.8	0.05	4.2	0.06	5.9	43.20.09	10.8	0.05	9.6	0.06	5.0
Spices	0.02	1.6	0.01	0.5	0.01	0.6	5.20.02	1.3	0.01	2.4	0.01	1.0
Vegetables	0.02	1.2	0.02	1.5	0.01	1.3	1.90.02	0.5	0.02	0.7	0.02	1.4
Total temp. crops	1.57	100.0	1.26	100.0	1.07	100.0	1.28	100.0	1.17	100.0	1.29	100.0
Ave. holding size	0.99	...	0.73	...	0.72	...	0.79	...	0.68	...	0.80	...

NOTE: The figures refer to the average over all holdings

TABLE 6.9: AVERAGE AREA SOWN PER CROP GROWER BY CROP TYPE AND DEVELOPMENT REGION, 1981/82 AND 1991/92

Crop	(In hectares)																	
	Eastern			Central			Western			Mid Western			Far Western			Nepal		
	1981/82	1991/92	2001/02	1981/82	1991/92	2001/02	1981/82	1991/92	2001/02	1981/82	1991/92	2001/02	1981/82	1991/92	2001/02	1981/82	1991/92	2001/02
Cereal grains	1.80	1.55	1.36	1.61	1.15	1.01	1.25	1.13	0.87	1.33	1.12	1.01	1.09	1.08	1.01	1.49	1.23	1.06
Rice	1.98	1.04	0.91	1.22	0.69	0.59	1.12	0.66	0.53	1.30	0.53	0.51	1.00	0.54	0.47	1.36	0.73	0.62
Wheat	0.72	0.42	0.52	0.64	0.37	0.38	0.51	0.36	0.32	0.53	0.41	0.41	0.58	0.40	0.44	0.60	0.39	0.41
Maize	0.97	0.56	0.50	0.72	0.43	0.39	0.42	0.37	0.29	0.58	0.36	0.30	0.53	0.23	0.18	0.62	0.41	0.36
Millet	0.29	0.37	0.33	0.28	0.30	0.27	0.19	0.27	0.19	0.14	0.15	0.15	0.16	0.12	0.11	0.22	0.28	0.24
Barley	0.15	0.22	0.23	0.21	0.17	0.14	0.20	0.20	0.18	0.10	0.19	0.19	0.13	0.10	0.09	0.15	0.17	0.16
Legumes	0.43	0.33	0.34	0.57	0.32	0.33	0.16	0.20	0.22	0.26	0.28	0.28	0.24	0.27	0.17	0.38	0.29	0.28
Tubers	0.39	0.13	0.13	0.32	0.12	0.14	0.12	0.07	0.06	0.11	0.06	0.08	0.11	0.06	0.06	0.23	0.10	0.10
Cash crops	0.51	0.39	0.36	0.41	0.49	0.74	0.31	0.39	0.38	0.03	0.07	0.12	0.07	0.11	0.31	0.36	0.37	0.49
Oilseeds	1.17	0.34	0.30	0.94	0.27	0.20	0.33	0.19	0.18	0.72	0.22	0.21	0.71	0.25	0.13	0.80	0.26	0.21
Spices	0.11	0.16	0.13	0.07	0.06	0.08	0.33	0.06	0.05	0.05	0.04	0.10	0.08	0.04	0.03	0.14	0.09	0.09
Vegetables	0.12	0.06	0.07	0.04	0.06	0.08	0.02	0.04	0.04	0.03	0.04	0.06	0.04	0.05	0.05	0.05	0.05	0.06

Note: Figures refer to the average per holding with the crop.

TABLE 6.10: NUMBER AND PERCENT OF HOLDINGS WITH TEMPORARY CROPS BY CROP TYPE AND SIZE OF HOLDING, NEPAL, 1981/82, 1991/92 AND 2001/02

Crop	Size of holding											
	Less than 0.5 ha			0.5 ha - 2.0 ha			2.0 ha and over			Total		
	1981/82	1991/92	2001/02	1981/82	1991/92	2001/02	1981/82	1991/92	2001/02	1981/82	1991/92	2001/02
Number of holdings (' 000)												
Cereal grains	767.5	1,116.6	1,471.7	595.8	1,236.8	1,496.5	322.2	295.6	253.1	1,685.6	2,649.0	3,221.6
Rice	380.3	743.2	1,032.6	386.6	1,020.5	1,236.1	254.9	273.8	212.7	1,021.7	2,037.5	2,481.6
Wheat	243.1	608.2	751.5	253.6	804.5	988.8	152.8	223.1	194.7	649.5	1,635.8	1,935.1
Maize	396.7	804.9	1,007.8	297.9	901.3	1,038.7	144.0	166.4	119.6	838.6	1,872.6	2,166.3
Millet	356.6	460.2	476.4	246.3	529.4	533.4	106.2	76.2	50.1	709.0	1,065.8	1,060.0
Barley	95.0	122.9	92.7	60.1	134.3	142.3	28.7	22.1	16.0	183.8	279.3	251.0
Legumes	323.3	381.9	484.9	337.1	617.1	723.7	209.6	192.6	153.6	870.0	1,191.6	1,362.3
Tubers	163.8	256.0	349.1	140.8	419.3	499.4	71.9	139.1	101.5	376.5	814.5	950.1
Cash crops	49.3	27.1	23.3	88.1	85.0	69.3	104.6	57.0	32.0	242.0	169.2	124.6
Oilseeds	52.0	304.5	342.3	108.6	528.3	556.6	120.7	180.5	122.4	281.4	1,013.2	1,021.4
Spices	166.5	106.1	167.1	154.7	167.8	252.2	106.6	62.5	54.2	427.7	336.4	473.7
Vegetables	121.1	295.9	451.8	123.5	361.2	449.6	79.6	106.0	76.1	324.2	763.1	978.1
Holdings with crops	1,079.9	1,164.4	1,577.8	728.3	1,240.9	1,490.7	349.2	296.7	235.1	2,157.4	2,701.9	3,305.4
Total land holdings	1,099.7	1,166.0	1,578.9	734.5	1,241.1	1,504.3	351.6	296.8	254.2	2,185.7	2,703.9	3,337.4
Percent												
Cereal grains	69.8	95.8	93.2	81.1	99.7	99.5	91.6	99.6	99.6	77.1	98.0	96.5
Rice	34.6	63.7	65.4	52.6	82.2	82.2	72.5	92.3	83.7	46.7	75.4	74.4
Wheat	22.1	52.2	47.6	34.5	64.8	65.7	43.5	75.2	76.6	29.7	60.5	58.0
Maize	36.1	69.0	63.8	40.6	72.6	69.1	40.9	56.1	47.0	38.4	69.3	64.9
Millet	32.4	39.5	30.2	33.5	42.7	35.5	30.2	25.7	19.7	32.4	39.4	31.8
Barley	8.6	10.5	5.9	8.2	10.8	9.5	8.2	7.4	6.3	8.4	10.3	7.5
Legumes	29.4	32.8	30.7	45.9	49.7	48.1	59.6	64.9	60.4	39.8	44.1	40.8
Tubers	14.9	22.0	22.1	19.2	33.8	33.2	20.5	46.9	39.9	17.2	30.1	28.5
Cash crops	4.5	2.3	1.5	12.0	6.9	4.6	29.7	19.2	12.6	11.1	6.3	3.7
Oilseeds	4.7	26.1	21.7	14.8	42.6	37.0	34.3	60.8	48.1	12.9	37.5	30.6
Spices	15.1	9.1	10.6	21.1	13.5	16.8	30.3	21.1	21.3	19.6	12.4	14.2
Vegetables	11.0	25.4	28.6	16.8	29.1	29.9	22.7	35.7	29.9	14.8	28.2	29.3
Total land holdings	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 6.10a: NUMBER AND PERCENT OF HOLDINGS WITH TEMPORARY CROPS BY CROP TYPE, SIZE OF HOLDING AND SEX OF HOLDER, NEPAL, 2001/02

Crop	Size of holding and Sex of Holder											
	Less than 0.5 ha			0.5 ha - 2.0 ha			2.0 ha and over			Total		
	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total
Number of holdings (' 000)												
Cereal grains	158.3	1,313.4	1,471.7	92.315	1,404.2	1,496.5	7.6	245.5	253.1	258.3	2,963.3	3,221.6
Rice	na	na	1,032.6	na	na	1,236.1	na	na	212.7	na	na	2,481.6
Early paddy	6.6	60.5	67.2	6.9	102.8	109.7	0.6	16.1	16.7	14.1	179.4	193.6
Main paddy	90.3	838.8	929.0	68.7	1,114.7	1,183.4	6.1	216.1	222.3	165.1	2,169.6	2,334.7
Upland paddy	7.2	84.3	91.5	6.9	115.2	122.1	0.6	19.0	19.5	14.7	218.4	233.1
Wheat	67.7	683.8	751.5	54.0	934.8	988.8	5.5	189.3	194.7	127.2	1,807.9	1,935.1
Maize	na	na	1,007.8	na	na	1,038.7	na	na	119.6	na	na	2,166.3
Spring/winter m.	18.6	111.6	130.3	12.8	156.9	169.7	1.1	27.0	28.1	32.6	295.5	328.1
Summer m.	112.3	784.4	896.7	68.4	880.1	948.6	4.4	103.5	107.9	185.0	1,768.1	1,953.1
Millet	64.7	411.8	476.4	41.3	492.1	533.4	8.9	41.2	50.1	108.1	951.9	1,060.0
Barley	8.5	84.2	92.7	8.9	133.4	142.3	0.6	15.4	16.0	18.0	233.0	251.0
Legumes	47.0	437.9	484.9	41.9	681.7	723.7	4.0	149.6	153.6	92.9	1,269.3	1,362.3
Tubers	40.6	308.5	349.1	31.1	468.3	499.4	3.2	98.3	101.5	74.9	875.2	950.1
Cash crops	1.7	21.6	23.3	2.3	66.9	69.3	0.3	31.6	32.0	4.4	120.2	124.6
Oilseeds	37.8	304.5	342.3	32.7	523.9	556.6	3.3	119.1	122.4	73.8	947.6	1,021.4
Spices	19.1	148.0	167.1	14.7	237.5	252.2	1.5	52.6	54.2	35.3	438.4	473.7
Vegetables	56.8	395.0	451.8	31.0	418.7	449.6	2.5	73.6	76.1	90.3	887.9	978.1
Holdings with crops	168.3	1,409.4	1,577.8	92.9	1,397.8	1,490.7	7.8	227.3	235.1	269.0	3,036.4	3,305.4
Total land holdings	168.3	1,410.6	1,578.9	92.9	1,411.5	1,504.3	7.8	246.4	254.2	269.0	3,068.4	3,337.4

TABLE 6.10a: NUMBER AND PERCENT OF HOLDINGS WITH TEMPORARY CROPS BY CROP TYPE, SIZE OF HOLDING AND SEX OF HOLDER, NEPAL, 2001/02

[illegible]

TABLE 6.11: AREA UNDER TEMPORARY CROPS BY CROP TYPE AND SIZE OF HOLDING, NEPAL, 1981/82, 1991/92 AND 2001/02

[illegible]

TABLE 6.11a: AREA UNDER TEMPORARY CROPS BY CROP TYPE, SIZE OF HOLDING, AND SEX OF HOLDER, NEPAL, 2001/02

Crop	Size of holding and Sex of holder											
	Less than 0.5 ha			0.5 ha - 2.0 ha			2.0 ha and over			Total		
	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total
Area (' 000)												
Cereal grains	52.9	487.0	540.0	106.0	1,805.7	1,911.7	25.8	945.6	971.4	184.8	3,238.3	3,423.1
Rice			201.0			824.4			519.2			1,544.6
Early rice	0.8	8.4	9.3	2.1	33.8	35.9	0.5	13.7	14.2	3.4	55.9	59.4
Main rice	14.9	156.2	171.1	35.4	697.5	732.9	12.4	500.8	513.2	62.7	1,354.5	1,417.7
Upland rice	0.7	10.7	11.3	1.4	34.4	35.8	0.4	20.6	21.0	2.5	90.1	92.6
Wheat	10.0	113.6	123.6	20.0	410.0	430.1	5.4	234.4	239.8	35.4	758.1	793.5
Maize			159.1			480.4			129.9			769.4
Spring/winter maize	2.5	16.7	19.2	5.0	64.4	69.4	1.3	21.5	22.8	8.7	102.6	111.3
Summer maize	15.7	119.8	135.4	28.2	379.4	407.6	4.1	111.0	115.1	48.0	610.1	658.1
Millet	7.4	51.6	58.9	11.2	146.7	158.0	1.2	32.4	33.6	19.8	230.7	250.5
Barley	0.7	6.9	7.6	8.9	16.6	25.5	0.2	6.0	6.2	2.5	36.8	39.3
Legumes	3.7	42.8	46.5	9.2	184.8	194.0	3.2	135.8	138.9	16.1	363.3	379.4
Tubers	1.9	16.1	18.0	3.2	49.0	52.2	0.9	21.4	22.3	6.0	86.6	92.5
Cash crops	0.1	2.6	2.7	0.8	21.9	22.7	0.4	34.8	35.2	1.3	59.3	60.6
Oilseeds	3.4	27.4	30.7	6.1	111.3	117.5	1.7	64.3	66.0	11.2	203.0	214.2
Spices	0.5	4.7	5.2	1.1	20.2	21.3	0.2	14.0	14.2	1.8	38.9	40.7
Vegetables	1.9	16.6	18.5	1.7	29.4	31.1	0.2	10.2	10.4	3.8	56.2	60.0
Total temporary Crops	38.3	654.2	692.5	81.7	2,305.2	2,386.9	23.7	1,172.6	1,196.3	143.8	4,131.9	4,251.3
Arable land	33.0	309.4	342.5	70.0	1,208.4	1,278.4	19.5	716.6	736.2	122.6	2,234.4	2,357.0
Percent of arable land												
Cereal grains	160.3	157.4	157.7	151.4	149.4	149.5	132.4	131.9	132.0	150.8	144.9	145.2
Early rice	2.6	2.7	2.7	3.0	2.8	2.8	2.6	1.9	1.9	2.8	2.5	2.5
Main rice	45.1	50.5	50.0	50.5	57.7	57.3	63.5	69.9	69.7	51.1	60.6	60.1
Upland rice	2.1	3.4	3.3	2.0	2.8	2.8	2.1	2.9	2.8	2.0	4.0	3.9
Wheat	30.2	36.7	36.1	28.6	33.9	33.6	27.8	32.7	32.6	28.9	33.9	33.7
Maize	0.0	0.0	46.5	0.0	0.0	37.6	0.0	0.0	17.6	0.0	0.0	32.6
Spring/winter maize	7.5	5.4	5.6	7.1	5.3	5.4	6.7	3.0	3.1	7.1	4.6	4.7
Summer maize	47.4	38.7	39.5	40.3	31.4	31.9	21.2	15.5	15.6	39.2	27.3	27.9
Millet	22.3	16.7	17.2	16.1	12.1	12.4	6.1	4.5	4.6	16.1	10.3	10.6
Barley	2.2	2.2	2.2	12.7	1.4	2.0	1.1	0.8	0.8	2.0	1.6	1.7
Legumes	11.3	13.8	13.6	13.2	15.3	15.2	16.2	18.9	18.9	13.2	16.3	16.1
Tubers	5.7	5.2	5.3	4.6	4.1	4.1	4.4	3.0	3.0	4.9	3.9	3.9
Cash crops	0.4	0.8	0.8	1.1	1.8	1.8	2.3	4.9	4.8	1.1	2.7	2.6
Oilseeds	10.2	8.8	9.0	8.8	9.2	9.2	8.8	9.0	9.0	9.1	9.1	9.1
Spices	1.4	1.5	1.5	1.5	1.7	1.7	1.2	2.0	1.9	1.4	1.7	1.7
Vegetables	5.7	5.4	5.4	2.4	2.4	2.4	1.1	1.4	1.4	3.1	2.5	2.5
Total land holdings	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0



TABLE 6.12: AVERAGE AREA UNDER TEMPORARY CROPS BY CROP TYPE AND SIZE OF HOLDING NEPAL, 2001/02

Crop	Size of holding							
	Less than 0.5 ha		0.5 ha - 2.0 ha		2.0 ha and over		Total	
	Average area (ha)	%	Average area (ha)	%	Average area (ha)	%	Average area (ha)	%
Cereal grains	0.34	78.0	1.27	80.1	3.82	81.2	1.03	80.1
Rice	0.13	29.0	0.55	34.5	2.04	43.4	0.46	36.1
Wheat	0.08	17.8	0.29	18.0	0.94	20.0	0.24	18.6
Maize	0.10	23.0	0.32	20.1	0.51	10.9	0.23	18.0
Millet	0.04	8.5	0.11	6.6	0.13	2.8	0.08	5.9
Barley	0.00	1.1	0.02	1.1	0.02	0.5	0.01	0.9
Legumes	0.03	6.7	0.13	8.1	0.55	11.6	0.11	8.9
Tubers	0.01	2.6	0.03	2.2	0.09	1.9	0.03	2.2
Cash crops	0.00	0.4	0.02	1.0	0.14	2.9	0.02	1.4
Oilseeds	0.02	4.4	0.08	4.9	0.26	5.5	0.06	5.0
Spices	0.00	0.7	0.01	0.9	0.06	1.2	0.01	1.0
Vegetables	0.01	2.7	0.02	1.3	0.04	0.9	0.02	1.4
Total temporary crops	0.42	100.0	1.57	100.0	5.33	100.0	1.29	100.0
Average holding size	0.25	...	0.95	...	3.27	...	0.79	...

NOTE: The figures refer to the average over all holdings

TABLE 6.13: AVERAGE AREA SOWN PER CROP GROWER BY CROP TYPE AND SIZE OF HOLDING, NEPAL, 1981/82, 1991/92 AND 2001/02

Crop	(In hectares)											
	Size of holding											
	Less than 0.5 ha			0.5 ha - 2.0 ha			2.0 ha and over			Total		
	1981/82	1991/92	2001/02	1981/82	1991/92	2001/02	1981/82	1991/92	2001/02	1981/82	1991/92	2001/02
Cereal grains	0.25	0.37	0.37	1.22	1.31	1.28	4.93	4.13	3.84	1.49	1.23	1.06
Rice	0.16	0.17	0.19	0.91	0.64	0.67	3.85	2.57	2.44	1.36	0.73	0.62
Wheat	0.13	0.15	0.16	0.49	0.39	0.43	1.53	1.02	1.23	0.60	0.39	0.41
Maize	0.15	0.15	0.16	0.59	0.49	0.46	2.00	1.25	1.09	0.62	0.41	0.36
Millet	0.08	0.12	0.12	0.25	0.34	0.30	0.59	0.85	0.67	0.22	0.28	0.24
Barley	0.06	0.08	0.08	0.17	0.20	0.18	0.41	0.45	0.39	0.15	0.17	0.16
Legumes	0.12	0.08	0.10	0.28	0.23	0.27	0.96	0.87	0.90	0.38	0.29	0.28
Tubers	0.07	0.05	0.05	0.20	0.10	0.10	0.63	0.18	0.22	0.23	0.10	0.10
Cash crops	0.08	0.09	0.12	0.18	0.24	0.33	0.63	0.70	1.10	0.36	0.37	0.49
Oilseeds	0.13	0.08	0.09	0.48	0.22	0.21	1.36	0.65	0.54	0.80	0.26	0.21
Spices	0.07	0.03	0.03	0.15	0.06	0.08	0.22	0.25	0.26	0.14	0.09	0.09
Vegetables	0.05	0.03	0.04	0.04	0.05	0.07	0.08	0.11	0.14	0.05	0.05	0.06

NOTE: The figures refer to the average area sown for holdings with the crop.

TABLE 6.14: NUMBER OF GROWERS AND AREA AND AVERAGE SOWN OF MAIN CEREAL CROPS  
BY GEOGRAPHIC AREAS, NEPAL, 2001/02

(In thousand hectares except average area sown)												
Ecological belt , development region and district	No. of land holdings	Arable land (ha)	Ave. Area arable land, ha	Rice			Wheat			Maize		
				No. of growers	Area sown (ha)	Ave area sown	No. of growers	Area sown ( ha)	Ave area sown	No. of growers	Area sown (ha)	Ave area sown
NEPAL	3,364.1	2,357.0	0.7006	2,166.3	769.4	0.3552	1,935.1	793.5	0.4101	2,166.3	769.4	0.3552
ECOLOGICAL BELT												
MOUNTAIN	298.2	200.0	0.6707	256.2	84.0	0.3277	194.7	65.6	0.3371	256.2	84.0	0.3277
HILL	1,586.4	863.0	0.5440	1,461.8	510.2	0.3490	856.5	256.7	0.2997	1,461.8	510.2	0.3490
TARAI	1,479.5	1,294.0	0.8746	448.3	175.3	0.3910	883.9	471.2	0.5331	448.3	175.3	0.3910
DEVELOPMENT REGION												
EASTERN	810.0	709.2	0.8756	480.9	242.3	0.5038	342.8	177.5	0.5177	480.9	242.3	0.5038
CENTRAL	1,035.8	690.3	0.6664	586.7	227.0	0.3869	572.1	217.8	0.3807	586.7	227.0	0.3869
WESTERN	715.8	421.0	0.5881	516.2	150.7	0.2920	357.1	116.0	0.3248	516.2	150.7	0.2920
MID WESTERN	469.5	329.7	0.7023	372.8	112.1	0.3006	360.8	148.7	0.4121	372.8	112.1	0.3006
FAR WESTERN	333.0	206.7	0.6209	209.7	37.3	0.1780	302.2	133.6	0.4420	209.7	37.3	0.1780
Ecol-Region/District												
EASTERN MOUNTAIN	71.3	63.5	0.8898	64.9	29.5	0.4538	29.0	9.3	0.3195	64.9	29.5	0.4538
TAPLEJUNG	22.9	22.0	0.9619	22.0	11.1	0.5056	9.8	4.0	0.4121	22.0	11.1	0.5056
SOLUKHUMBU	20.2	18.2	0.8995	17.5	8.8	0.5064	11.0	3.8	0.3433	17.5	8.8	0.5064
SANKHUWASABHA	28.2	23.3	0.8245	25.5	9.5	0.3732	8.2	1.5	0.1772	25.5	9.5	0.3732
EASTERN HILL	282.8	214.4	0.7581	272.8	140.2	0.5137	74.8	23.0	0.3075	272.8	140.2	0.5137
BHOJPUR	37.0	30.9	0.8351	36.4	19.7	0.5404	10.0	2.8	0.2804	36.4	19.7	0.5404
OKHALDUNGA	29.0	23.7	0.8176	28.6	17.8	0.6208	12.6	3.4	0.2734	28.6	17.8	0.6208
KHOTANG	41.4	30.7	0.7428	40.9	22.9	0.5605	12.6	4.2	0.3328	40.9	22.9	0.5605
UDAYAPUR	45.1	30.1	0.6669	42.0	21.2	0.5048	11.4	5.2	0.4564	42.0	21.2	0.5048
PANCHTHAR	34.1	23.1	0.6786	33.3	10.7	0.3225	5.9	1.3	0.2248	33.3	10.7	0.3225
ILAM	48.5	35.8	0.7392	45.5	22.5	0.4939	10.7	2.9	0.2679	45.5	22.5	0.4939
DHANKUTA	28.4	22.2	0.7808	27.1	15.7	0.5800	5.4	1.4	0.2579	27.1	15.7	0.5800
TERHATHUM	19.3	17.8	0.9211	19.0	9.7	0.5087	6.2	1.8	0.2858	19.0	9.7	0.5087
EASTERN TARAI	455.9	431.4	0.9462	143.2	72.7	0.5077	239.0	145.2	0.6075	143.2	72.7	0.5077
SAPTARI	75.5	71.3	0.9436	2.1	0.5	0.2374	51.7	28.4	0.5493	2.1	0.5	0.2374
SIRAHA	78.9	76.9	0.9745	6.0	2.2	0.3599	46.2	24.4	0.5272	6.0	2.2	0.3599
JHAPA	104.7	98.0	0.9369	66.3	40.3	0.6075	38.2	19.3	0.5057	66.3	40.3	0.6075
MORANG	115.2	109.9	0.9547	49.0	24.0	0.4903	58.4	40.1	0.6861	49.0	24.0	0.4903
SUNSARI	81.7	75.3	0.9213	19.8	5.7	0.2897	44.5	33.0	0.7430	19.8	5.7	0.2897
CENTRAL MOUNTAIN	105.5	63.6	0.6026	100.5	37.2	0.3705	60.9	18.9	0.3108	100.5	37.2	0.3705
DOLAKHA	40.4	25.3	0.6260	38.4	13.9	0.3616	30.4	10.6	0.3507	38.4	13.9	0.3616
SINDHUPALCHOK	57.4	33.2	0.5796	54.6	19.5	0.3573	27.1	7.3	0.2681	54.6	19.5	0.3573
RASUWA	7.7	5.0	0.6508	7.5	3.8	0.5124	3.4	1.0	0.2952	7.5	3.8	0.5124
CENTRAL HILL	429.2	213.2	0.4967	374.8	144.2	0.3847	210.0	51.8	0.2468	374.8	144.2	0.3847
SINDHULI	46.3	28.0	0.6042	44.1	23.3	0.5286	15.6	4.7	0.3031	44.1	23.3	0.5286
RAMECHHAP	38.8	26.2	0.6759	37.0	18.9	0.5109	23.0	7.1	0.3091	37.0	18.9	0.5109
KAVRE	64.6	37.4	0.5793	63.1	24.3	0.3843	43.7	12.9	0.2959	63.1	24.3	0.3843
LALITPUR	32.6	9.3	0.2864	21.8	5.6	0.2579	17.4	2.4	0.1351	21.8	5.6	0.2579
BHAKTAPUR	25.7	5.5	0.2151	13.0	1.2	0.0919	22.0	3.3	0.1520	13.0	1.2	0.0919
KATHMANDU	53.6	12.8	0.2380	33.8	3.9	0.1149	35.8	8.7	0.2427	33.8	3.9	0.1149

TABLE 6.14: NUMBER OF GROWERS AND AREA AND AVERAGE SOWN OF MAIN CEREAL CROPS BY GEOGRAPHIC AREAS, NEPAL, 2001/02

Ecological belt , development region and district	No. of land holdings	Arable land (ha)	Ave. Area arable land, ha	(In thousand hectares except average area sown)								
				Rice			Wheat			Maize		
				No. of growers	Area sown (ha)	Ave area sown	No. of growers	Area sown ( ha)	Ave area sown	No. of growers	Area sown (ha)	Ave area sown
NUWAKOT	49.8	29.1	0.5844	47.6	18.1	0.3792	21.0	5.8	0.2772	47.6	18.1	0.3792
DHADING	58.7	33.1	0.5639	57.8	24.5	0.4244	17.3	3.5	0.2042	57.8	24.5	0.4244
MAKWANPUR	59.1	31.7	0.5373	56.6	24.4	0.4315	14.2	3.3	0.2344	56.6	24.4	0.4315
CENTRAL TARAI	501.1	413.6	0.8253	111.3	45.6	0.4093	301.2	147.0	0.4882	111.3	45.6	0.4093
DHANUSHA	87.5	69.9	0.7995	4.3	1.5	0.3512	58.4	22.7	0.3890	4.3	1.5	0.3512
MAHOTTARI	72.6	62.0	0.8535	8.0	2.7	0.3438	39.7	19.4	0.4895	8.0	2.7	0.3438
SARLAHI	85.1	79.7	0.9367	17.6	6.1	0.3448	51.1	26.5	0.5180	17.6	6.1	0.3448
RAUTAHAT	67.0	62.8	0.9367	6.8	1.7	0.2428	46.6	23.4	0.5021	6.8	1.7	0.2428
BARA	62.3	51.3	0.8238	14.7	6.4	0.4358	43.2	23.5	0.5448	14.7	6.4	0.4358
PARSA	55.2	49.5	0.8969	4.1	1.9	0.4686	43.9	26.4	0.6015	4.1	1.9	0.4686
CHITWAN	71.4	38.3	0.5369	55.8	25.3	0.4523	18.3	5.1	0.2778	55.8	25.3	0.4523
WESTERN MOUNTAIN	4.2	2.0	0.4698	1.4	0.4	0.2629	2.2	0.5	0.2283	1.4	0.4	0.2629
MANANG	1.5	0.9	0.6173	0.5	0.2	0.4012	0.9	0.3	0.3329	0.5	0.2	0.4012
MUSTANG	2.7	1.0	0.3891	0.8	0.1	0.1767	1.3	0.2	0.1570	0.8	0.1	0.1767
WESTERN HILL	485.2	225.5	0.4648	464.5	137.4	0.2959	207.4	48.4	0.2334	464.5	137.4	0.2959
GORKHA	54.6	29.9	0.5474	52.6	17.8	0.3392	10.4	2.0	0.1969	52.6	17.8	0.3392
LAMJUNG	31.9	17.1	0.5359	30.9	10.5	0.3397	7.5	1.2	0.1653	30.9	10.5	0.3397
TANAHU	54.2	26.0	0.4795	52.0	15.2	0.2931	11.3	2.0	0.1762	52.0	15.2	0.2931
SYANGJA	55.9	22.0	0.3937	54.5	14.7	0.2692	25.6	4.2	0.1631	54.5	14.7	0.2692
KASKI	51.8	19.8	0.3818	46.3	8.3	0.1802	15.6	2.5	0.1577	46.3	8.3	0.1802
MYAGDI	21.5	11.6	0.5381	20.7	7.0	0.3371	12.2	2.9	0.2412	20.7	7.0	0.3371
PARBAT	28.5	11.7	0.4118	27.2	6.7	0.2449	12.9	2.3	0.1787	27.2	6.7	0.2449
BAGLUNG	48.7	23.9	0.4913	47.7	15.8	0.3315	32.0	8.2	0.2576	47.7	15.8	0.3315
GULMI	54.4	21.2	0.3891	53.1	15.2	0.2868	27.1	6.7	0.2481	53.1	15.2	0.2868
PALPA	44.4	22.7	0.5120	43.2	14.2	0.3278	19.2	4.8	0.2518	43.2	14.2	0.3278
ARGHAKHANCHI	39.1	19.6	0.4997	36.4	12.0	0.3307	33.6	11.5	0.3411	36.4	12.0	0.3307
WESTERN TARAI	226.5	193.5	0.8545	50.3	12.9	0.2565	147.4	67.0	0.4548	50.3	12.9	0.2565
NAWALPARASI	82.8	55.0	0.6642	30.4	9.7	0.3183	47.0	19.2	0.4081	30.4	9.7	0.3183
RUPANDEHI	86.3	71.9	0.8328	11.5	1.7	0.1511	58.3	28.5	0.4889	11.5	1.7	0.1511
KAPILBASTU	57.3	66.6	1.1621	8.5	1.5	0.1782	42.1	19.4	0.4597	8.5	1.5	0.1782
MID-WESTERN MOUNTAIN	50.2	37.1	0.7383	35.0	7.2	0.2063	37.2	13.0	0.3481	35.0	7.2	0.2063
DOLPA	5.4	2.5	0.4592	3.5	0.6	0.1734	1.6	0.2	0.1361	3.5	0.6	0.1734
JUMLA	14.9	7.8	0.5220	10.7	1.2	0.1082	11.0	1.5	0.1384	10.7	1.2	0.1082
KALIKOT	15.5	14.6	0.9414	13.8	4.8	0.3474	11.8	6.7	0.5702	13.8	4.8	0.3474
MUGU	7.6	6.3	0.8212	3.8	0.3	0.0730	7.0	2.1	0.2950	3.8	0.3	0.0730
HUMLA	6.8	5.9	0.8768	3.2	0.4	0.1158	5.9	2.4	0.4150	3.2	0.4	0.1158

TABLE 6.14: NUMBER OF GROWERS AND AREA AND AVERAGE SOWN OF MAIN CEREAL CROPS BY GEOGRAPHIC AREAS, NEPAL, 2001/02

Ecological belt , development region and district	No. of land holdings	Arable land (ha)	Ave. Area arable land, ha	(In thousand hectares except average area sown)								
				Rice			Wheat			Maize		
				No. of growers	Area sown (ha)	Ave area sown	No. of growers	Area sown ( ha)	Ave area sown	No. of growers	Area sown (ha)	Ave area sown
MID-WESTERN HILL	253.9	145.1	0.5716	240.7	70.7	0.2938	232.9	89.5	0.3840	240.7	70.7	0.2938
PYUTHAN	37.9	21.0	0.5536	37.0	12.7	0.3441	32.2	12.4	0.3863	37.0	12.7	0.3441
ROLPA	36.8	23.9	0.6502	35.8	13.6	0.3805	35.4	14.4	0.4072	35.8	13.6	0.3805
RUKUM	32.5	15.5	0.4771	30.7	8.6	0.2794	29.4	8.6	0.2919	30.7	8.6	0.2794
SALYAN	35.9	23.5	0.6538	35.0	10.0	0.2850	35.4	16.7	0.4716	35.0	10.0	0.2850
SURKHET	48.3	24.7	0.5113	41.9	9.4	0.2250	40.8	13.7	0.3364	41.9	9.4	0.2250
DAILEKH	38.8	21.6	0.5557	37.0	8.3	0.2254	36.5	12.7	0.3466	37.0	8.3	0.2254
JAJARKOT	23.7	15.0	0.6322	23.3	8.0	0.3460	23.3	11.0	0.4709	23.3	8.0	0.3460
MID-WESTERN TARAI	165.4	147.5	0.8920	97.2	34.1	0.3512	90.7	46.3	0.5103	97.2	34.1	0.3512
DANG	68.5	57.7	0.8427	60.2	22.6	0.3746	38.9	17.8	0.4585	60.2	22.6	0.3746
BANKE	49.4	44.2	0.8960	20.5	5.2	0.2560	26.7	11.6	0.4338	20.5	5.2	0.2560
BARDIYA	47.5	45.6	0.9588	16.5	6.3	0.3844	25.1	16.8	0.6721	16.5	6.3	0.3844
FAR WESTERN MOUNTAIN	67.0	34.0	0.5067	54.5	9.7	0.1783	65.3	23.9	0.3668	54.5	9.7	0.1783
BAJURA	19.6	8.5	0.4349	14.8	1.3	0.0892	19.2	5.7	0.2953	14.8	1.3	0.0892
BAJHANG	27.6	11.8	0.4275	20.8	1.9	0.0910	26.6	8.1	0.3056	20.8	1.9	0.0910
DARCHULA	19.9	13.7	0.6873	18.9	6.5	0.3438	19.5	10.2	0.5205	18.9	6.5	0.3438
FAR WESTERN HILL	135.3	64.7	0.4786	108.9	17.6	0.1619	131.4	44.0	0.3349	108.9	17.6	0.1619
ACHHAM	42.4	17.1	0.4024	37.3	5.0	0.1329	41.4	11.3	0.2737	37.3	5.0	0.1329
DOTI	33.3	16.4	0.4936	15.7	2.1	0.1370	31.4	11.8	0.3757	15.7	2.1	0.1370
DADEL DHURA	20.6	11.2	0.5416	17.6	2.7	0.1545	20.0	6.3	0.3148	17.6	2.7	0.1545
BAITADI	39.0	20.1	0.5152	38.3	7.8	0.2038	38.6	14.6	0.3778	38.3	7.8	0.2038
FAR WESTERN TARAI	130.6	108.0	0.8269	46.2	10.0	0.2156	105.6	65.6	0.6216	46.2	10.0	0.2156
KAILALI	77.1	64.2	0.8323	16.6	4.8	0.2916	58.3	37.9	0.6495	16.6	4.8	0.2916
KANCHANPUR	53.6	43.9	0.8191	29.7	5.1	0.1731	47.2	27.7	0.5872	29.7	5.1	0.1731

TABLE 6.15: MIXED CROPPING, TEMPORARY CROPS AND DEVELOPMENT REGIONS, 2001/02

Crop	Single crop cultivated alone	Mixed crop (a)	Total crop area sown	No. of holdings	Percent mixed crop(area)
('000)					
ECOLOGICAL BELTS					
Mountain	319.7	14.1	333.8	41.2	4.2
Hill	1,443.8	132.8	1,568.9	362.4	8.0
Tarai	2,226.8	136.8	2,348.6	263.5	5.2
Eastern	1,183.2	43.6	1,226.8	97.4	3.6
Central	1,203.2	78.3	1,281.5	210.8	6.1
Western	702.4	55.0	757.4	156.0	7.3
Mid Western	537.3	60.9	598.1	138.6	10.2
Far Western	364.3	23.3	387.5	73.2	6.0
NEPAL	3,990.4	260.9	4,251.3.7	667.1	6.1

(a) Crops grown simultaneously with other temporary or permanent crops

TABLE 6.16: CROPPING INTENSITY (a) BY ECOLOGICAL BELT,  
1981/82, 1991/92 AND 2001/02

Category	Ecological belt			
	Mountain	Hill	Tarai	Nepal
1981/82				
Arable land (' 000 ha)	115.7	856.5	1,315.3	2,287.5
Land under temporary crops (' 000 ha)	113.5	840.5	1,296.2	2,250.2
Temporary crops sown (' 000 ha)	144.3	1,056.6	2,114.2	3,315.0
Cropping intensity (a)	1.25	1.23	1.61	1.45
Cropping intensity (b)	1.27	1.26	1.63	1.47
1991/92				
Arable land (' 000 ha)	162.3	871.3	1,289.7	2,323.4
Land under temporary crops (' 000 ha)	158.7	848.2	1,277.7	2,284.6
Temporary crops sown (' 000 ha)	261.8	1,538.2	2,262.9	4,063.0
Cropping intensity (a)	1.61	1.77	1.75	1.75
Cropping intensity (b)	1.65	1.81	1.77	1.78
2001/02				
Arable land (' 000 ha)	200.0	863.0	1,294.0	2,357.0
Land under temporary crops (' 000 ha)	197.2	844.4	1,284.5	2,326.1
Temporary crops sown (' 000 ha)	333.8	1,568.9	2,348.6	4,251.3
Cropping intensity (a)	1.67	1.82	1.82	1.80
Cropping intensity (b)	1.69	1.86	1.83	1.83

(a) Area of temporary crops on arable land divided by area of arable land.

(b) Temporary crops sown divided by the land under temporary crops (physical area)

TABLE 6.17: CROPPING INTENSITY BY DEVELOPMENT REGION, 1981/82, 1991/92 AND 2001/02

Category	Development region					
	Eastern	Central	Western	Mid West.	Far West.	Nepal
1981/82						
Arable land (' 000 ha)	722.3	763.0	418.2	244.3	139.6	2,287.5
Land under temporary crops (' 000 ha)	711.1	752.7	413.7	242.8	129.9	2,250.2
Temporary crops sown (' 000 ha)	957.0	1,162.6	592.5	399.2	203.7	3,315.0
Cropping intensity(a)	1.32	1.52	1.42	1.63	1.46	1.45
Cropping intensity(b)	1.35	1.54	1.43	1.64	1.57	1.47
1991/92						
Arable land (' 000 ha)	699.8	668.3	474.3	292.0	189.1	2,323.4
Land under temporary crops (' 000 ha)	684.4	659.8	467.4	286.7	186.3	2,284.6
Temporary crops sown (' 000 ha)	1,180.5	1,223.9	800.2	503.7	354.7	4,063.0
Cropping intensity(a)	1.69	1.83	1.69	1.73	1.88	1.75
Cropping intensity(b)	1.72	1.85	1.71	1.76	1.90	1.78
2001/02						
Arable land (' 000 ha)	709.2	690.3	421.0	329.7	206.7	2,357.0
Land under temporary crops (' 000 ha)	701.2	683.2	415.7	324.5	201.5	2,326.1
Temporary crops sown (' 000 ha)	1,226.8	1,281.5	757.4	598.1	387.5	4,251.3
Cropping intensity(a)	1.73	1.86	1.80	1.81	1.87	1.80
Cropping intensity(b)	1.75	1.88	1.82	1.84	1.92	1.83

(a) Area of temporary crops on arable land divided by area of arable land.

(b) Temporary crops sown divided by the land under temporary crops (physical area)

TABLE 6.18: CROPPING INTENSITY (a) BY SIZE OF HOLDING, NEPAL, 2001/02

Category	Size of holding			
	Less than 0.5 ha	5 - 2 ha	2 ha and over	Total
Arable land (' 000 ha)	342.5	1,278.4	736.2	2,357.0
Land under temporary crops (' 000 ha)	340.2	1,262.4	723.5	2,326.1
Temporary crops sown (' 000 ha)	692.5	2,386.9	1,196.3	4,275.7
Cropping intensity (a)	2.02	1.87	1.62	1.81
Cropping intensity (b)	2.04	1.89	1.65	1.84

(a) Area of temporary crops on arable land divided by area of arable land.

(b) Area sown divided by area under temporary crop.

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