

FORWARD

The present issue of state Annual Season and Crop Report for the Agricultural year 1986-87 attempts to serve as ready compendium of the main Agricultural Statistics, such as season-wise rainfall, land-utilisation source-wise and cropwise irrigated area, cropping pattern, yield per hectare, crop-wise total out-turn, the farm-harvest prices, agricultural wages and quinquennial livestock data. The State aggregates and their district-wise break-up are expected to come handy in the formulation of rural plans.

I would like to place on record my feelings of satisfaction of the collection work done by the Deputy Commissioners, Sub-Divisional Officers (Civil), Tehsildars, Naib-tehsildars and in fact the entire revenue field agency from Patwari onwards. My appreciation is also due to the Statistical Assistants posted in the Deputy Commissioner's offices who are directly associated with this work and have taken the responsibility of preparing the district reports in time. Special mention for the valuable guidelines provided by Shri I.S.Chandel, Joint Director of Land Records, Himachal Pradesh also needs to be added herein.

At the State headquarter the report was prepared by Shri Vijay Kapoor Statistical Assistant within a short interval. The preparation of the report was done under scrutiny and supervision of Shri Santosh Raj Sharma, Statistician. The presentation of report is more analytical and comprehensive owing to the pains-taking efforts of Dr.B.P.Singh, Director of Agricultural Census, who is also the overall incharge of Statistical Cell of this Directorate. It is hoped that the publication would be of great use to the Government offices, Planners and Research Workers alike.

C. PANDEY I.A.S.
*Director of Land Records,
Himachal Pradesh.*

HIMACHAL AT A GLANCE

Year-1986-87*

1.	Total Area	By Survey General of India	..	55,673	sq. km
		By Village papers	..	33,25,283	hectares
2.	Forests		..	9,23,010	"
3.	Total cropped area		..	9,83,086	"
4.	Net area sown		..	5,80,928	"
5.	Gross irrigated area		..	1,71,283	"
6.	Percentage to the gross cropped area		..	17.4	hectass
7.	Net area irrigated		..	95,416	"
8.	Percentage to net area sown		..	16.4	"
9.	Intensity of cropping		..	169.2	"
10.	Total outturn of food crops		..	12,33,794	M.T.
11.	Total outturn of non-food crops		..	4,627	"
12.	Total Population 1981 Census	Total	Rural	Urban	
	Persons	.. 42,80,818	39,54,847	3,25,971	
	Males	.. 21,69,931	19,88,331	1,81,600	
	Females	.. 21,10,887	19,66,516	1,44,371	
13.	Density of population per sq. km. (1981)	..		77	
14.	Decennial growth rate (1971-81)	..		23.71	
15.	Sex rates number of females per one thousand males	..		973	percent.
16.	Birth rate per thousand (1981)	..		31.5	
17.	Death rate per thousand (1981)	..		10.4	
18.	Number of households	..		7,83,794	
19.	Literacy rate	..		42.48	
20.	Percentage of Rural population	..		92.39	
21.	Percentage of total population (i) Main workers	..		34.36	
	(ii) Non-workers	..		57.63	
22.	Percentage of Scheduled Castes	..		24.62	
23.	Percentage of Scheduled Tribes	..		4.61	
24.	Number of Districts	..		12	
25.	Number of Sub-Divisions	..		43	
26.	Number of Tehsils	..		66	
27.	Number of Sub-Tehsils	..		28	
28.	Number of patwar circles	..		2,135	
29.	Number of Kanungo Circles	..		224	
30.	Number of Villages (1981) Census				
	Total	..		18,721	
	Inhabited	..		16,807	
	Uninhabited	..		1,914	

(i)

1	2	3	4
31.	Total Livestock population (based on Thirteenth Livestock Census, 1982)	49,88,540	
32.	Total poultry	4,61,285	
33.	Plough (Wooden and Steel)	6,24	lakhs
34.	Total Number of operational holdings (Agricultural Census, 1985-86)	7,52,882	
35.	Total Area of operational holdings (Agricultural Census 1985-86)	9,80,240	hectares
36.	Average size of holdings	1.3	hectares
		No	Area
37.	Percentage of Marginal farmers (upto one hect)	61.6	20.5
38.	Percentage of small farms (1.0-2.0 hect)	20.6	22.7
39.	Percentage of sami-medium farmers (2.0-4.0 hect)	12.3	26.0
40.	Percentage of medium (4.0-10.0)hect.	4.8	21.2
41.	Percentage of large (10.0 hect & above)	0.7	9.6
42.	Percentage of S.C.	24.0	13.7
43.	Percentage of S/T.	4.3	3.9
44.	Percentage of marginal farmers within S/C	78.5	42.1
45.	Percentage of small farmers within S/C	14.8	27.5
46.	Percentage of marginal farmers within S/T	60.3	23.7
47.	Percentage of small farmers within S/T	23.3	28.0
48.	Average No. of parcels per holding Input-survey 1981-82	5.89	numbers
49.	Average Area per parcel (Input Survey, 1981-82)	0.26	hect
50.	Average intensity of cropping 1986-87	169.2	

INTRODUCTION

In the present era of Planning the importance of Agricultural Statistics as a prime mover becomes unequivocal. In view of the increasing importance of Agricultural Statistics as a reflection of Economic Progress and a necessary adjunct in plan formation, the role of Agricultural Statistics such as land utilization, cropping pattern, total output and irrigation statistics is very vital. The planning and execution of agricultural programmes are often handicapped for want of comprehensive and reliable data. As more and more emphasis is now being laid on district and lower level planning, envisaging detailed programmes and targets for these units elaborate data at these administrative and planning units are necessary for realistic planning and successful implementation of programmes.

Agriculture holds the key position and constitutes a sector which is closely linked with the economy as a whole, therefore dependent on growth in Agriculture. But era of Planning in the country has evolved a series of new farm strategies to generate sustained growth rates in productivity. In the Planning decades gone by, much emphasis was laid on growth oriented programmes in this vital sphere of Agriculture and the development of necessary infrastructure facilities for ensuring its full contribution to Economic Development.

The Annual Season and Crop Report 1986-87 is an annual publication of the State Government, delineating therein the district-wise important Agricultural Statistics viz; landuse classification, monthwise and seasonwise rainfall data, sourcewise net irrigated area, crop-wise gross irrigated area, detailed break-up of cropping pattern and production, followed by a brief survey on prevailing farm harvest prices and Agricultural Wages and date on quinquennial Livestock Census, 1982. The report commences with summary tables of the aforesaid Statistics for the preceding four years and with the current year i.e. 1986-87 as the concluding year of the quinquennial survey. The report presents all the statistical data in metric units i.e. area in hectares and production in metric tonnes.

Physical Features :

Himachal Pradesh, one of the most picturesque regions of the country and land of mighty rivers and snows is situated in the lap of Himalyan ranges in north-west of India. It is bordered by Jammu and Kashmir in the north, Punjab in the west and south-west and Tibet in the east. It is situated between 32°22'40" to 33°12'40" north latitude, and 75°47'55" to 79°04'22" east longitude in altitudes ranging from 350.m. to 6,975 m. above the mean sea level.

This Pradesh came into being as a part 'C' State of the Indian Union on 15th April, 1948 as a result of the merger of 30 Punjab and Shimla Hill States into the Indian Union, viz; Baghat, Bhajji, Beja, Balsan, Bushali, Chamba, Darkoti, Delath, Dhadi, Dhami, Ghund, Jubbal, Khaneti, Keonhal, Koti, Kumarsain, Kunihar, Kutha, Mandi, Madhan, Mahlog, Mangal, Ratesh, Rawingarh, Sangri, Sirmour, Suket, Theroch and Theog. At that time the State had four districts viz; Chamba, Mahasu, Mandi, Sirmour and its area was 27,16,850 hectares. In 1954 the neighbouring 31st State of Bilaspur was integrated with Himachal Pradesh, thereby adding one

more district with an area of 1,06,848 hectares. In 1960, a new border district of Kinnaur was carved out of Mahasu district on account of administrative reasons. With the reorganisation of Punjab State in 1966, four more hill districts, namely Kangra, Kullu, Lahaul Spiti and Shimla, Nilgaurh Tehsil of Ambala district, some parts of Una Tehsil of Hoshiarpur district and Dalhousie of Gurdaspur district were merged into this Pradesh, thereby increasing its area by nearly 100 percent. On 25th January, 1971 this Pradesh was given the status of full-fledged State. On 1st September, 1972 two more districts viz; Hamirpur and Una were created out of Kangra district and Solan was also named as a district, dropping Mahasu district. Thus, at present, this full-fledged State of Himachal Pradesh comprises 12 districts viz; Bilaspur, Chamba, Hamirpur, Kangra, Kinnaur, Kullu, Lahaul Spiti, Mandi, Shimla, Sirmour, Solan and Una. These districts have further been placed under the control of three divisions Shimla, Mandi and Dharamshala having in turn 43 Sub-Divisions. The Sub-Divisions are further divided into 66 Tehsils and 28 Sub-Tehsils with an area of 55,673 square kilometres. The State headquarters are located at Shimla, the queen of hills.

Climatic and Agro-Climatic Zones :

Himachal Pradesh, as its name suggests, lies in the lap of the Himalayas, its climate, flora and fauna, the life and outlook of the people are largely conditioned by that one single factor called, nature, rolling hills for miles and miles, interspersed with tinkling mountain streams have a unique fascination. During the snow fall the entire hilly landscape turns into one stretch of shimmering white. The rivers abound in fish and provide boating and fishing and the forests harbour wild life of a large variety (i.e., that, serow, ghoral, bear and in certain area, snow leopard.)

Five rivers flow through this Hill State viz; Beas in Kullu, Mandi and Kangra, Satluj in Kinnaur, Shimla and Bilaspur, Ravi in Chamba, Yamuna has its tributaries in Shimla and Sirmour and flows along the borders of Sirmour and finally Chenab flows in Lahaul Spiti and Chamba districts.

The terrain varies as you move from South to North, the lower foothills, the shivalika rising no more than 610 to 1220 metres. The inner ranges, are 1220 to 3660 metres high and the northern most, the Pirpanjal ranges, soar upto 6710 metres consequently, the climate also varies from mild to cold. The land area of the State can be divided into the following categories:—

- (i) *Valleys upto an elevation of 1,000 metres.*—These are very fertile and can be subjected to intensive cultivation.
- (ii) *Low Hills.*—These have an altitude of 1000 to 2000 metres and are suitable for horticulture.
- (iii) *High Hills.*—These areas lie between 2000 and 3500 meter and are sparsely populated. They are good for raising forests.
- (iv) *Alpine Zones.*—Above 3500 metres:—They are good for grazing forests.
- (v) *The land of snow.*—Without vegetation.

Season-wise Rainfall conditions :

Table-I of the report under review epitomises month-wise rainfall of the calendar year, 1986 with corresponding rainfall for each month. The

table simultaneously reveals the season-wise rainfall aggregate with corresponding normal rainfall exhibited in the adjoining columns. Although a quick glance at the total Annual State Rainfall leads one to infer that the total rainfall has been adequate, yet what is crucial for the better germination and maturity of crops is the timeliness and proper distribution of rainfall which during the year under review has not been so. It is this imbalance in the rainfall distribution that explains nearly 51.1 per cent of the total cropped area having failed in the current year.

The average total annual rainfall recorded during the year, 1986 in the State was 1215.5 m.m. as against 1285.6 m.m. normal rainfall and this rainfall was 5.4 percent less than the normal rainfall. The highest average rainfall of 1900.4 m.m. was recorded in district Mandi as against its 1679.7 m.m. normal rainfall with average number of rainy days of 78 as against 60.5 of the State rainy days. This increase in rainfall from the normal was 13.1 percent. The second district recording highest was Kangra where an average rainfall of 1640.6 m.m. was reported as against 1649.5 m.m. of normal rainfall, but this annual average rainfall was 0.5 percent less than the normal rainfall. The third place in order of highest rainfall was of district Chamba which recorded 1432.7 m.m. of annual average rainfall against 1478.0 m.m. of normal rainfall and it was 3.1 percent less than the normal rainfall.

On the side of lowest recording of average annual rainfall district Lahaul Spiti, Kinnaur and Shimla were first, second and third respectively. In these districts, the average annual rainfall of 372.0, 824.9 and 1044.4 m.m. respectively was recorded and this amount of rainfall was also observed to be on lower side in all these three districts to the corresponding annual normal rainfall. The rainfall data for district Rullu could not be reported as data from that district was not available. The Deputy Commissioner, Kullu has been supplied with the new rain gauge sets for installation, so that data from these stations could be made available by him. From perusal of the table No.1 of the main Annual Season and Crop Report, it has been observed that the total annual rainfall recorded in more than half of the districts was much below the corresponding normals, which indicated that the weather conditions were not so favourable for the promising germination and growth of crops and hence the failure of the area sown was to the extent of 52 percent. Deviation of actual rainfall from the normal also affected the potential of irrigation facilities and resulting in poor harvest. Almost in all the districts of the Pradesh, the area sown under the crops was subjected to failure due to untimely or inadequate rains on an average. In the year 1986 the total number of average rainy days for the State were 60.5 and with such number of average rainy days, Chamba and Mandi districts were ranking first Shimla second and Hamirpur third respectively. There was decrease of 1.8 percent in number of average rainy days in the State during the year under report as compared to the last year.

According to the sowing and harvesting of crops, the calendar year of rainfall has further been divided into four major rainy seasons, viz. Winter, Pre-Monsoon, Monsoon, and Post Monsoon. The brief description of these is as under:—

A—Winter Season :

This season has a spell of two month i.e., from 1st January to 28th February and during this season according to local cultivating conditions

of the Pradesh, the Rabi Crops are usually sown in Post Monsoon Season. During this season, occurrence of timely and adequate rains is important for the speedier growth of the crops. But during this season total average rainfall of 75.4 m.m. was recorded as against 181.4 m.m. of normal rainfall. The amount received during this season was 51.6 percent below the normal rainfall. The highest rainfall of 189.0 m.m. during this season was recorded in district Chamba and lowest rainfall of 10.0 m.m. was recorded in district Lahaul Spiti. In all the districts the average rainfall recorded during this season was below the normal rainfall as a result of which proper growth of crops sown was affected adversely, which resulted in damaging the Rabi Crops at the primary stages even.

The average number of rainy days during this season was 5.6 as against 5.2 of the corresponding period of last year, and number of such rainy days (*i.e.* 9.0) was highest in district Chamba and Kinnaur and the lowest number of rainy days (1.0) was in district Lahaul Spiti.

B—Pre-Monsoon :

This season comprises of the period from 1st March to 31st May and with the close of this season, commencement of Monsoon season with highest amount of rainfall to be recorded during the year is expected. During the pre-Monsoon season the occurrence of timely and properly distributed rains is essential as the Rabi Crops grown during previous season (*i.e.* Winter Season) start bearing fruits and ultimately attain maturity for harvest before the close of season. Any deviation in the weather conditions during this season from the normals, counts towards the varying yields of the crops. Thus for having a good harvest of the Rabi Crops, the rainfed conditions of this season should not fluctuate from the normals.

In the State, during this season an average rainfall of 237.4 m.m. was recorded as against 162.2 m.m. normal rainfall and this rainfall was 46.4 percent below the normal. In all the districts except Hamirpur, Kangra and Una the total rainfall recorded during this season was above the corresponding normals. However, the highest rainfall of 517.2, 413.8 and 305.1 m.m. recorded was in district Chamba, Kinnaur, Shimla respectively, whereas the lowest rainfall was in district Una. During the season the average number of rainy days for the State was 15.4 as against 8.0 of the corresponding period of the last year with highest number of rainy days (29.0) for district Kinnaur and lowest number of rainy days (7.0) for district Kangra. After completing the harvest operations for Rabi Crops during this season, the farmers start preparing their fields by applying manures and ploughs for transplantation of Paddy and sowing of Kharif crops before the commencement of Monsoon Season.

C—Monsoon Season :

This season comprises of longest span of four months *i.e.* June to September and the amount of rains recorded during this season is also higher than rainfall recorded in any other season of the year. During the initial stage of the season, the land for sowing the Kharif Crops is prepared completely and just after the first heavy rainfall of the season the Kharif Crops are usually sown. The crops grown during this season require regular rainfall. In majority of the districts the rainfall was below the corresponding normals of the districts, but the rainfall was timely and fairly distributed.

During the season a rainfall of 750.0 m.m. was recorded in the State as against 836.0 m.m. of the normal rainfall, and it was less to the normal by 10.3 percent. This amount of rainfall during Monsoon Season shared 61.7 percent of the total rainfall recorded during the year. The highest rainfall of 1345.5, 1263.5 and 986.6 m.m. was recorded in district Mandi, Kangra and Solan respectively and this rainfall was also higher to the corresponding normals in districts Mandi, Lahaul Spiti, Kinnaur and Chamba were first three districts recording lowest rainfall during this season and this rainfall was below the corresponding normals in district Kinnaur and Chamba. The amount of rainfall received in these districts was 59.5, 191.8 and 520.1 m.m. respectively. The peak period for the rainfall of the season were the months of July and August and the total amount of rainfall recorded out of total rainfall of 750.0 m.m. of the season for this peak period was 565.5 m.m. and this amount was 75.4 percent of the total. The total rainfall recorded during this season was also 61.7 percent of the total annual rainfall of the State.

Like amount of rainfall the highest number of rainy days was also recorded during this season and this number was 29.9 days as against 60.5 rainy days of the year under report. These rainy days were 48.9 percent of the total average rainy days of the year, 1986.

With the close of the season, the kharif crops in most parts of the Pradesh were ready for harvesting and harvesting of minor crops like pulses and oilseeds was in progress. The weather conditions of the season as a whole at the time of maturity of crops was not so favourable as a result of which considerable area was subjected to damages.

D—Post Monsoon:

Post Monsoon Season is from 1st October to 31st December and during this season after harvesting the kharif crops, the sowing of Rabi Crops is almost completed. A total rainfall of 152.7 m.m. was recorded in the State as against 106.0 m.m. of normal rainfall and this amount of rainfall was 44.1 percent more than the corresponding normal. This average rainfall was less by 72.4 percent corresponding rainfall of the last year. The average rainfall of the season was higher than the corresponding normal in each district except Chamba, Kinnaur and Sirmour where it was 10.6, 37.4 and 45.3 mm. respectively, less than the corresponding normals. The first three districts recording highest rainfall were Hamirpur, Chamba and Mandi where 240.0, 206.4 and 192.2 m.m. rainfall was recorded respectively.

In the month of October there were rains in all the districts except Lahaul Spiti of the Pradesh and this rainfall was higher than the corresponding normals in the district Hamirpur, Solan and Una. In the month of November there were rains in all the Districts of the Pradesh and the rainfall recorded in Lahaul Spiti and Una and in other Districts was higher than corresponding normals in each districts. During the month of December of this season, a total average rainfall of 44.9 m.m. was reported for the State and this amount was higher than the corresponding normal by 17.5 percent. The rainfall was reported from all the districts of the Pradesh and the same was beneficial to the growth of Rabi crops, especially for oilseeds and pulses. The maximum rainfall was recorded during the month of October of Post Monsoon Season. Thus there were rains in all the districts during Post Monsoon Season except district Lahaul Spiti, except in the month of October.

On an aggregate, the weather conditions prevailing during this season were favourable for the better growth of Rabi Crops.

Classification of Area Land Utilisation :

Land resources of a place are not so much dependent of the extent of geographical area available as on the extent of cadastrally surveyed area available for land utilisation. The later category of area delineates those different classifications of the uses of land which readily appear on the records of village Accountant or Patwari. This classification which gives an idea as to the extent of reliable and elaborate statistics of land utilisation which are widely used for agricultural planning. Landuse classification is the systematic arrangement of various types of available land on the basis of certain defined characteristics, mainly to identify and understand their fundamental utility, intelligently and effectively for satisfying the needs of human life. Thus land must be carefully preserved and utilised so that it may fulfill our multifarious requirements. The best use of each parcel of land requires adoption of scientific and modern technology. This may help us for investigating the land use problems and be the basis of planning for the best possible use of our land according to various categories of land.

The total geographical area, according to Surveyor General of India, is 55,67,300 hectares i.e. 55,673 sq. kms. In comparison to the geographical area, the total cadastrally surveyed area (by village papers) in the State during the year under review came to 33,25,283 hectares revealing thereby that the remaining difference of 22,42,017 hectares is unsurveyed and hence does not appear on revenue records of the village functionaries. The magnitude of such area in the aforesaid year was 40 percent of the total geographical area. Although the *ad hoc* estimates of such areas are available, yet, in actuality, this difference in area would be wiped out only as and when settlement operations are extended to such areas with the consequent effect of such areas being brought on revenue records.

The reporting area or cadastrally surveyed area is the summation of nine-fold landuse categories. The land use classification for the current year *vis-a-vis* the preceding year 1985-86 has been tabulated below alongwith their percentages computed on the basis of reporting area. Even a cursory glance at Table-I would reveal that three components viz: forests, permanent pastures and other grazing lands and net area sown together account for nearly 81 percent of the total reporting area, leaving the remaining 19 percent area to other categories of land such as barren and un-culturable land, land put to non-agriculturable uses, culturable waste and fallow lands etc.

Here it may be in order to mention in respect of forest land that this report encompasses only such areas as appear on revenue records and thus the total area under 'forests' does not necessarily tally with the area maintained by the Forest Department. In fact, the land use classification being followed by this Department differ from the definition of forests being followed by the Department of Forests. It may be pertinent to record that as per Forest Department, the total area in the State under forests for the year, 1983-84 came to 21.32 lakh hectares, whereas as the Revenue Department for the same year put the forest area estimates at 8.62 lakh hectares. The area under forests for the year 1986-87 as per revenue records is 9.23 lakh hectares. The difference between two sets of figures is normal in the Departments,

here the Settlement operations have been completed. The minimisation of this huge difference between two sets needs adoption of uniform definition of category of Forests and completion of Settlement operations in the remaining parts of the Pradesh. Under the National Forest Policy, the State Government have chalked out a programme to complete forest settlements within a period of 3-5 years. The definition of forests as adopted by the Revenue Department has been indicated in the succeeding paras of this item.

Table-I Classification of Reporting Area for the years 1985-86 and 1986-87 (In '000 hectares)

Category	1985-86		1986-87	
	Area in '000 hect.	Percent age to total reporting area	Area in '000 hect.	Percent- age to total reporting area
1	2	3	4	5
1. Forests	885	27	923	28
2. Barren and unculturable land	159	5	191	6
3. Land put to non Agri. uses	220	7	201	6
4. Culturable waste	128	4	128	4
5. Permanent pastures & other grazing lands	1153	36	1202	36
6. Misc. tree crops and groves not included in net area sown	41	1	41	1
7. Current fallows	44	1	44	1
8. Other fallow lands	14	1	14	1
9. Net area sown	583	18	581	17
10. Total Reporting Area	3227	100	3325	100
11. Gross Area Sown	974	30	983	30
12. Area Sown more than once	391	12	402	12

The summation of these nine landuse classification gives the total reporting area available in the revenue records. There was no change in the percentage share of the nine land use categories to the total reporting area during the year under report except the category of forest, land put to non-agricultured uses barren and unculturable land, net area sown as compared to last year. The percentage of the gross area shown and area sown more than once to the total reporting area during the current year was 30 and 12 percent respectively and it adopted no change as compared to the similar percentages of the last year. It further indicated that about 69 percent of the net area sown was utilised more than once during the current year.

The comments on nine-fold landuse classification alongwith the definitions as per Himachal Pradesh Land Records Manual are as follows :-

Forests :

All actually forested area on the lands, classed or administered as forests under any legal enactment, dealing with forests whether state-owned or private and whether wooded or maintained as potential forest land come under

the category of 'Forests'. If any portion of such land is not actually wooded but put to some agriculturable use, that portion shall be included under the appropriate heading of cultivated or un-cultivated land.

The area under this category during the year under review has increased by 38225 hectares over the last year and represents an increase of 4.3 per cent. The increase is nominal and needs no comments. In order of percentage share to the total reporting area this category is at place second after the category of permanent pasture and other grazing land. This category has shared one percent more of the total reporting area as compared to the last years share.

Barren and Un-Culturable Land :

This includes all barren and un-culturable land like mountains, deserts etc. Land which cannot be brought under cultivation unless at a high cost, shall be classed as unculturable whether such land is in isolated blocks or within cultivated holdings.

This accounts for only 6 percent of the total reporting area during the year 1986-87 and there was an increase of 20 percent as compared to the last year, which is due to settlement operations under going in District Kinnaur and Lahaul Sipti, where from an increase of 28949 and 27351 hect. has been reported respectively.

Land put to Non-Agriculturable Uses :

This includes all land occupied by free holdings, roads and railways or under water e.g. rivers and canals and other lands put to uses other than agricultural. The land under this category accounted for 6 percent of the total reporting area and there was decrease of 8 per cent as compared to the previous year, but decrease was below 10% and thus no comments.

The land under this category as well as under barren and un-culturable land together constitutes that category of land is generally not available for cultivable purposes.

Culturable Waste :

This comprises all lands available for cultivation, whether taken-up for cultivation or abandoned after a few years for one reason or the other. Such lands may be either fallow or covered with shrubs and jungles, which are not put to any use. They may be assessed or unassessed and may lie in isolated blocks or within cultivated holdings. Land once cultivated but not cultivated for five years in succession should be included under this head. The land under this category forms 4 percent of the total reporting area. There was decrease of 433 hectares in this category as compared to the 1st year area and it was less than one percent and thus no comments.

Permanent pastures and other grazing lands :

This includes all grazing lands whether they are permanent pastures and in meadows or not. Villages common and grazing land within forested areas shall be included under this head. The land under this category forms

36 percent of the total reporting area and is major share of the total reporting area than any other category. The increase of area under this category during the year 1986-87 as compared to the last year was 48678 hectares or about 4 percent and called for no comments.

Land under Miscellaneous tree crops and groves not included in net area sown:

This denotes all cultivable land which is not included under net area sown but is put to some agricultural use. Land under casusina trees, that ching grasses, bamboo bushes and other groves for fuel etc, which are not included under orchards, shall be classed under this category.

This category of land formed merely one percent of the total reporting area. The decrease under this category was of 209 hectares or about one percent which called for no comments.

Current fallows :

This represents cropped areas which are kept fallow during the current year. For example if any seeding area is not cropped again in the same year, it may be treated as current fallow. The land under this category also forms one percent of the total reporting area. The variation increase under this category of land as compared to last year was of 125 hectares. The reasons for this nominal variation are due to keeping the land more fallow during the year under report.

Fallow land other than current fallows :

This includes all lands which were taken up for cultivation but are temporarily out of cultivation for a period of not less than one year and not more than five years. The reason for keeping such lands fallow may be one of the following (i) Poverty of the cultivators, (ii) Inadequate supply of water (iii) Material climate, (iv) Silting of canal and rivers, and (v) Unremunerative nature of farming.

The area under this category was just 14003 hectares and it increased from the previous year's figure by 253 hectares. This increase as compared to last year area was about 2 percent and called for no comments.

Net Area Sown:

This represents the net area sown with crops net geographical area under the crops and orchards. The area under this category during the year, 1986-87 was 580928 hectares and constituted about 17 percent of the total reporting area and there was decrease of 1672 hectares under this category as compared to the last year. In percentage this decrease was less than one percent and hence called for no comments.

Area Sown more than once :

This represents the area on which more than once crops are cultivated during each agricultural year. This shall be obtained by deducting the 'Net Area Sown' from total cropped area. Such area during the year, 1986-87 was 402158 and increased by the last year's figures by 11120 hectares. In percentage this increase was about 3 percent. This was owing to the more intensity of cropping during the year under review

Total Cropped area:

This represents the total area covered with crops. This will be the sum total of areas covered by all the individual crops, areas sown with crops more than once during the year being counted as separate area for each crop. As compared to the last year, the area under this category had increased by 9448 hectares. In absolute terms the area stood at 983086 hectares in comparison to 973638 hectares of the last year. The increase in total cropped area with regard to corresponding area of last year was about 1 percent which was negligible and called for no comments.

Intensity of cropping :

The intensity of cropping is the ratio of gross (total) area sown to the net area sown, expressed as percentage. Owing to the peculiar agro-climatic conditions, the mountainous nature of tracts and pattern of land holdings in the Pradesh, the extensive cultivation is not practicable. For increased output and better utilisation of the cultivable land, it will be desirable to introduce intensive methods of cropping. In Kinnaur, Lahaul Spiti and Shimla district, intensive cultivation was not done as these districts have less than 150 percent intensity of cropping. In The Valleys, Shiwlík Hills and on the banks of the Satluj, Beas and Yamuna rivers, intensive cultivation of the crops can be done by providing irrigation facilities, taking to better techniques of production and using fertilizers, improved seeds etc. In the Pradesh, none [of the district has intensity of cropping 200 percent or more, which] indicated that the net area sown is not being utilised completely for the times more than once. This can be possible only if the farmers have the facilities of better inputs and improved methods of cultivation. The intensity of cropping for the year, 1986-87 has been computed in Table :-2

Table : Intensity of Cropping in each District for the year, 1986-87 as compared to the year 1985-86

Sr.No.	Name of the District	Intensity of cropping 1985-86	Net Area sown 1986-87	Total cropped area 1986-87	Intensity of cropping 1986-87
1		2	3	4	5
1.	Bilaspur	180.3	31908	60631	190.0
2.	Chamba	148.6	41328	63663	154.0
3.	Hamirpur	193.4	38669	74863	193.6
4.	Kangra	174.2	123387	224572	182.0
5.	Kinnaur	127.4	7439	9775	131.4
6.	Kullu	160.3	35654	58383	163.7
7.	Lahaul Spiti	104.8	3136	3305	105.4
8.	Mandi	175.7	95025	152997	161.0
9.	Shimla	143.7	75192	110606	147.1
10.	Sirmaur	175.9	43487	79173	182.1
11.	Solan	161.3	42264	70516	166.8
12.	Una	168.4	43439	74602	171.7
	State	167.1	580928	983086	169.2

Intensity of Cropping = $\frac{\text{Total Cropped Area}}{\text{Net Area Sown}} \times 100$

Net Area Sown

Intensity of cropping of the State for the year under review came to 169.2 percent though there was wide inter districts variation. The intensity of cropping during last year was 167.1 percent. The district Lahaul Spiti though with almost cent percent assured irrigation, had a low cropping intensity of 105.4 percent which was attributable to its terrain being snow-bound and yielding only one crop a year. However, the cropping intensity was found to be the maximum in district Hamirpur, revealing thereby that nearly 94 percent area was sown more than once. The districts in the descending orders of intensity of cropping were Hamirpur, Bilaspur, Sirmaur, Kangra, Una, Solan, Kullu, Mandi, Chamba, Shimla, Kinnaur and Lahaul Spiti. The table -2 would also reveal that cropping intensity was low in hilly areas as compared to the semi-hills and plain areas. The intensity of cropping during the year under report was higher than the intensity of cropping of last year by about 2.1.

The intensity of cropping for the last five years of the year under report is given in table-3.

Table-3.—Table showing the intensity of cropping for a period of five years (1982-83 to 1986-87).

Sr. No.	Name of the District	Intensity of Cropping for the year				
		1982-83	1983-84	1984-85	1985-86	1986-87
1.	Bilaspur	191.1	188.6	187.6	180.3	190.0
2.	Chamba	150.9	153.6	155.1	148.6	154.0
3.	Hamirpur	195.7	187.6	192.5	193.4	193.6
4.	Kangra	175.0	169.4	190.5	172.2	182.0
5.	Kinnaur	128.7	134.7	133.8	127.4	131.4
6.	Kullu	157.6	147.0	159.2	160.3	163.7
7.	L/Spiti	103.4	103.6	101.6	104.8	105.4
8.	Mandi	170.6	167.0	170.9	175.7	161.0
9.	Shimla	152.4	147.7	142.9	143.7	147.1
10.	Sirmaur	176.2	177.9	178.0	175.9	182.1
11.	Solan	144.4	144.0	153.7	161.3	166.8
12.	Una	176.3	169.4	170.8	168.4	171.7
	State	167.6	163.9	170.4	176.1	169.2

District-wise percentage distribution of Net Area Sown and forests.

The accompanying Table-4 shows the district-wise percentage distribution of two important categories of land viz: 'Net Area Sown' and 'Area under Forests'. It also shows the district-wise percentage distribution under these categories to the reporting areas.

Table 4 :—Percentage distribution of Net Area Sown and Area under Forest by district for the years, 1985-86 to 1986-87.

Sl. No.	District	Percentage of Net Area Sown in the district										
		Percentage of forest area in the district to the										
		Reporting Area of the district		Total Net Area Sown		1985-86		1986-87		Reporting Area of the district		Total Forest Area in the State
1	2	3	4	5	6	7	8	9	10	1985-86	1986-87	
1.	Bilaspur	27.5	27.6	5.5	5.5	5.5	9.9	9.8	1.3	1.2	30.5	29.4
2.	Chamba	6.1	6.0	7.3	6.0	7.1	39.0	39.1	2.3	2.2	18.2	2.2
3.	Hamirpur	35.2	35.2	6.6	21.1	6.7	18.2	18.2	27.6	26.4	41.7	26.4
4.	Kangra	21.1	21.1	21.2	3.5	21.2	41.7	41.7	1.6	1.9	8.6	1.9
5.	Kinnaur	4.6	3.5	1.3	71.8	1.3	8.2	8.6	—	—	—	—
6.	Kullu	71.5	71.8	6.1	1.5	6.1	—	—	—	—	—	—
7.	L. & Spiti	1.6	1.5	0.5	24.0	0.5	6.3	6.0	1.4	1.4	39.7	17.4
8.	Mandi	23.9	24.0	16.2	19.2	16.4	38.9	39.7	7.0	9.9	23.2	9.9
9.	Shimla	21.3	19.2	13.0	19.4	12.9	17.5	23.2	5.5	5.3	21.7	5.3
10.	Sirmaur	19.5	19.4	7.5	23.4	7.5	10.9	10.9	2.2	2.1	10.9	2.1
11.	Solan	23.7	23.4	7.4	28.2	7.3	18.6	18.6	3.2	3.1	—	—
12.	Una	27.9	28.2	7.4	—	7.5	—	—	—	—	—	—
	H.P.State :—	18.1	17.5	100.00	100.00	100.0	27.4	27.8	100.0	100.0	100.0	100.0

The percentage of net area sown to the total reporting area was 17.5 per cent as compared to the 18.1 per cent of the last year of the State as a whole. The percentage share in the total area sown was higher in respect of District Kangra, Mandi and Shimla. The total area under forests in the State was sharing 27.8 per cent of the total reporting area and such share during 1985-86 was 27.4.

Area irrigated by different sources—Table-III-A of the report :

The net irrigated area during 1986-87 was 95416 hectares and recorded decrease of 722 hectares over the preceding year figures of 96138 hectares. There was decrease of about 1.0 per cent in the net area irrigated as compared to previous year. The kuhls constitute the major source of irrigation in the State and accounted for 88.6 percent of the total net irrigated area during the year 1986-87. These small water channels, colloquially called Kuhls are made by making notches on the river and water sources and the water is thus led to the fields for irrigation.

The predominant hilly character of the State renders the terrain unfit for boring tube-wells and even the scope for lift irrigation is severely limited. Such facilities are in fact confined to the low lying areas only and accounted for only 3.9 per cent of the total irrigated area in the year under review. This percentage of area irrigated by wells, tube-wells was more by 0.1 as compared to the last year. The net area irrigated to the net area sown was 16.4 percent during the current year as compared to the 16.5 per cent of the last year. The gross area irrigated under current year was 171283 hectares as against 169476 hectares of the last year which gave increase of 1807 hectares or 1.1 per cent. The percentage of gross area irrigated to the gross cropped area was 17.4 and was the same as that of the last year.

The table 5 given below provide the source-wise break-up of the net irrigated area during 1986-87 as compared to the preceding year i.e. 1985-86.

Table—5 Percentage share of net irrigated area by source.

Sr. No	Source of Irrigation	1985-86		1986-87	
		Net area irrigated (hect.)	Percentage to total net irrigated Area	Net Area irrigated (hect.)	Percentage to total irrigated Area
1		2	3	4	5
1.	Canals	6926	7.2	6542	6.9
2.	Tanks	668	0.7	603	0.6
3.	Wells & Tubewells	3682	3.8	3744	3.9
4.	Other source—kuhls	84862	88.3	84527	88.6
	Total	96138	100.0	95416	100.0

According to Table III-A of the Annual Season and Crop Report 1986-87 there were 389 Government canals, 3640 private kulis, 1409 Tubewells, 1080 wells used for irrigation and 578 Tanks which provided irrigation to 95416 hectares of net area irrigated. The percentage share of net area irrigated to net area sown is about 16.4 per cent which indicated that about 83.6 per cent of net area under the crops survived under the changing trend of natural calamities. Thus to have assured harvest of the area sown, the facilities of irrigation and modern technique should be enhanced.

The break-up of crop-wise area irrigated by different sources during the year under report has been given in Table-6 appended hereafter.

Table-6 Crop-wise irrigated area with percentage to total irrigated Area:

Sr. No.	Crops	1985-86		1986-87	
		Area in hectare	Percentage share to the total irrigated area	Area in hectares	Percentage share to the total irrigated area
1		2	3	4	5
1.	Rice ..	50506	29.8	52092	30.4
2.	Wheat ..	64231	37.9	63181	36.9
3.	Barley ..	4839	2.9	4605	2.7
4.	Maize ..	21858	12.9	22509	13.1
5.	Ragi and other millets ..	2374	1.4	—	1.3
6.	Sugarcane ..	725	0.4	2249	0.5
7.	Potatoes ..	2968	1.8	3071	1.8
8.	Ginger ..	1076	0.6	980	0.6
9.	Other Food Crops ..	10214	6.0	11050	6.5
A	Total Food Crops ..	158791	93.7	160585	93.8
10.	Linseed ..	4117	2.4	4504	2.6
11.	Rape & Mustard ..	534	0.3	561	0.3
12.	Tea ..	2104	1.2	1436	0.8
13.	Fodder Crops ..	3039	1.8	3377	2.0
14.	Other Non-Food Crops ..	891	0.6	820	0.5
B.	Total Non-Food Crops ..	10685	6.3	10698	6.2
	Total (A+B) ..	169476	100.0	171283	100.0

As will be evident from above Table-6 of the report, wheat occupied the first place in terms of share in irrigated area followed by Rice, Maize and Barley. In fact these four crops together accounted for 83.1 per cent of the total irrigated area and leaving a small share of 16.9 per cent to all other food, non-food crops grown in the Pradesh. Among non-food crops the linseed received higher irrigation than any other non-food crop.

However, it was notable that the total irrigated area constituted just 17.4 per cent of the total cropped area, which revealed that nearly 82.6 per cent

of the cropped area in the State was rainfed. It was in fact, this vast dependence on weather-gods that precisely explained the State being repeatedly prone to natural calamities.

Intensity of Irrigated Cropping :

Like intensity of cropping this is also ratio of gross area irrigated to the net area irrigated expressed as percentage i.e.:

$$\frac{\text{Gross Area Irrigated}}{\text{Net Area Irrigated}} \times 100$$

The intensity of irrigated cropping for the year 1986-87 is shown in Table-7.

Table-7 Intensity of irrigated Cropping in each district during 1985-87 and 1986-87:

Sr. No.	Name of the District	Intensity of irrigated cropping (1985-86)	Net Area Irrigated (1986-87)	Gross Area Irrigated (1986-87)	Intensity of Irrigation (1986-87)
1.	Bilaspur ..	189.4	2909	5460	187.7
2.	Chamba ..	192.0	3590	6922	192.8
3.	Hamirpur ..	191.2	1781	3458	194.2
4.	Kangra ..	198.0	32511	65288	200.8
5.	Kinnaur ..	121.8	3435	5374	156.4
6.	Kullu ..	100.0	2224	2224	100.00
7.	Lahaul Spiti ..	104.8	3105	3305	106.4
8.	Mandi ..	186.1	13390	25596	191.2
9.	Shimla ..	158.9	4875	7775	159.5
10.	Sirmour ..	180.0	13566	25235	186.0
11.	Solan ..	157.8	10156	15576	153.4
12.	Una ..	143.3	3874	5070	130.9
	State ..	176.3	95416	171283	179.5

The intensity of irrigated cropping for the year 1986-87 was found 179.5 percent as against 176.3 percent of the last year. The districts in the descending order of intensity of irrigated cropping were Kangra, Hamirpur, Chamba, Mandi, Bilaspur, Sirmour, Shimla, Kinnaur, Solan, Una, Lahaul Spiti and Kullu respectively. In case of district Kangra, Hamirpur, Chamba and Mandi the net area irrigated was found to be almost, irrigated more than once during the year under report.

Cropping Pattern-IV-A and B :

Cropping pattern indicates the level of development and the economic prosperity of the State in the Agricultural Sector. It deals with type of crop and percentage of area under each crop. A change in cropping pattern would

mean change in the proportionate area under different crops. The increase in area under high yielding variety of seeds results in increase in the total output. The study of cropping pattern is of greater significance for planning rational and balanced programme of crops raising in such a manner that the people of the country get adequate food and raw material for agro-based industries.

In terms of area hectareage the wheat occupied the first place followed by maize, rice and barley. The gross cropped area during 1986-87 stood at 9.83 lakh hectares as compared to 9.74 lakh hectares during 1985-86 and in terms of percentage the increase was about 10 percent. Because of typical geographical location of the State, the scope for repeated cropping pattern was severely limited, though off season vegetable crops were raised on a small scale. The succeeding table-8 revealed that total food crops accounted for 96.4 percent in terms of area thus leaving a slender percentage of 3.6 percent to non-food crops.

Table 8 Area under crops 1985-86 and 1986-87:

Sr. No.	Crops	1985-86		1986-87	
		Area in hect.	Percentage share to the total cropped area	Area in hect.	Percentage share to the total cropped area
1		2	3	4	5
1.	Rice	90762	9.3	95944	9.8
2.	Wheat	377107	38.7	371884	37.8
3.	Barley	34241	3.5	32942	3.3
4.	Maize	299514	30.8	303426	30.9
5.	Ragi	6691	0.7	8002	0.8
6.	Common & little				
7.	Millets & others	21018	2.2	18913	1.9
	Total cereals	829333	8.5	831111	84.5
8.	Gram	6928	0.7	9353	0.9
9.	Black Gram	20945	2.2	19553	2.0
10.	Horse Gram	7070	0.7	6558	0.7
11.	Masur	2035	0.2	3474	0.3
12.	Other pulses	6760	0.7	8461	0.9
13.	Total pulses	43747	4.5	47399	4.8
14.	Total food grains	873080	89.7	878510	89.3
15.	Sugar cane	2707	0.2	2731	0.3
16.	Apple	24494	2.5	25241	2.6
17.	Potatoes	14650	1.5	15429	1.6
18.	Fruits & Vegetables (except apple and potatoes)	21240	2.2	21959	2.2
19.	Chillies	860	0.1	904	0.1
20.	Ginger	2231	0.2	2362	0.2
21.	Other food crops	413	0.1	572	0.1
	Total Food crops	939675	96.5	947708	96.4

	1	2	3	4	5
22. Cotton	..	335	—	261	—
23. Groundnut	..	986	0.1	1040	0.1
24. Sesamum	..	6246	0.7	7184	0.7
25. Rape Mustard	..	6935	0.7	8164	0.8
26. Linseed	..	5112	0.5	5059	0.5
27. Tea	..	3099	0.3	3232	0.4
28. Other non-Food crops	..	2984	0.3	2492	0.3
29. Total non-food crops	..	33963	3.5	35378	3.6
30. Total Cropped Area	..	973638	100.0	983086	100.0
31. Fodder Crops	..	8266	0.9	8006	0.8

Rice, Maize, Ragi and small Millets during kharif season and wheat, Barley during rabi season constitute the important cereals grown in the Pradesh. Among the cash crops Potatoes, Apple, Tea and Ginger are important. From the point of view of relative importance wheat ranks first followed by Maize, Paddy and Barley. Rice, Maize, Wheat, Barley, Potatoes, Rape-Mustard were grown almost all over the State. Sugarcane was mainly grown in Sirmour, Una, Solan, Kangra, Hamirpur, Bilaspur and Mandi districts. Some important crops are discussed separately.

Wheat :

From area point of view, wheat comes on top among all the crops grown in the Pradesh. It is generally sown during the period of mid September to November and harvested from middle of April to June. It is grown in the lower hills as well as higher altitudes.

In the State as a whole, 37.9 per cent of the gross cropped area comes under wheat. It means that more than 1/3rd of the entire cropped area is accounted for by wheat alone and it ranked first in terms of percentage share.

Barley :

In Rabi season Barley is also an important crop in the State and is grown in the interior parts. Only 3.3 per cent area to the total gross area came under this crop during the year under report. This crop is more popular in district Chamba, Kangra, Kullu, Mandi and Shimla. However the crop was grown in almost all the districts of the Pradesh. Its order in terms of percentage share was fourth.

Paddy :

Paddy is a staple food of the people. It ranked third in order of the area point of view and it shared 9.8 per cent of the gross cropped area. Adequate water is a must for its cultivation as such this crop is only grown once a year in the State. It is sown prior to the onset of monsoon and is harvested during the month of October and November. This crop is almost grown in all the districts except Lahaul Spiti. In order of ranking with regard to growing of this crop district Kangra, Mandi and Solan were first three districts.

Maize :

Maize is another important crop of the kharif season covering 30.9 per cent of the gross cropped area and its place in terms of percentage share to the total area was second. It is sown both under rainfed and irrigated conditions in all the districts of the State. District Kangra, Mandi and Hamirpur were the first three districts growing this crop.

Other Cereals:

The other cereals constitute a numerous small and coarse grains viz; Jowar, Bajra, Ragi, Ogi, Kangli, Cheena, Chalai, and Bathu etc. These crops are grown in the interior parts of district Mandi, Shimla, Kullu, Chamba, Kinnaur and are the staple food of the inhabitants. These cereals occupy only about 1.9 per cent of the gross cropped area.

Total Pulses :

According to the table-8 above only 4.8 per cent of the total gross cropped area came under total pulses head as against similar percentage of 4.5 of the last year. The pulses are also grown in all the districts of the State. Mash, Mung, Kulth, Bharat, Rong, Gram, Peas and Masur are some important pulses grown in the State. The pulses Gram and Masur are grown in Rabi season whereas the other pulses are grown in kharif season. Solan, Kangra and Mandi were the first three districts growing these pulses in larger area.

Fruits :

Himachal Pradesh has warmer valley areas as well as perennially snow covered peaks and dry areas suited for growing fresh as well as dry fruits. Quite a large chunk of area of the State is ideally suited for growing temperate and dry fruits like Apple, Peach, Pear, Plums, Walnut, Almond and Grapes fruits etc. In lower hills of Bilaspur, Kangra, Mandi, Sirmour and Una the fruits like Banana, Mango and Citrus fruits are also grown. Among these fruits Apple occupy the first place and shared 2.6 per cent of the total cropped area. Its market is not country wide but also exported. The Apple of Shimla district is widely known for quality. Its delicious variety such as Royal, Rich-Rod, Red and Golden have no equal match in the country. Out of 36292 hectares area under fresh and dry fruits the area under Apple was 25241 hectares or 69.5 per cent. Shimla district having considerable share, ranking thereby first. The area under other fruits was about 30.5 per cent of the total area under fruits.

Total Vegetables :

Only about 2.7 percent area comes under vegetables out of which 1.6 per cent was shared by Potato crop alone. Among the vegetables' total area the share of potato is 58.6 per cent. Thus Potato is the main cash crop in Himachal Pradesh and was grown almost in all the districts of the State. District Shimla, Mandi Sirmour and Lahaul Spiti were the major growing districts of this crop. It occupies an important place in the economy of the State and is well known for its large production of quality and disease free potato seed. It is grown in Kharif although in some lower parts where irrigation facilities are adequate, it is grown in Rabi also. In district

Lahaul Spiti about 33.1 per cent of its gross cropped area came under potato as against similar percentage of 33.2 of the last year. The share of other vegetables like Peas, Cauliflower, Tomato, Onion, Cabbage etc. was 31.4 per cent of the total area under the vegetables crops. The climate and topographical conditions of the State are quite favourable for growing the off season vegetables like Peas, Cauliflower, Cabbage and Tomato etc. and demand of these vegetables of adjoining States is also met by exporting such vegetables. The revenue earned by the cultivators from such vegetables is quite considerable.

Total Food Crops :

In the State major share in the cropped area goes to food crops which was 96.4 per cent of the total cropped area as against 96.5 per cent of the last year which indicated that the farmers gave more importance to the growing of food crops than the non-food crops. The margin of total cropped area left for non-food crops was 3.6 percent. In different districts the percentage of area under food crops is as high as 99.7 per cent, as in case of Hamirpur and 99.6 per cent in case of Kinnaur district.

Total Non-Food Crops :

In the State as a whole only 3.6 per cent of area came under non-food crops. The non-food crops constitute Rape and Mustard, Linseed, Groundnut, Sesamum, Tobacco, Tea, Cotton and Sainthemp etc. Tea is grown in Palampur Tehsil of district Kangra and Tehsil Joginderanger of Mandi district. The total area under tea in these areas was 3232 hectares i.e. about 9.1 per cent of the total area under non-food crops. The quality of tea is quite rich and is exported to other countries. Out of the total area under non-food crops the bulk of the area i.e. 64.8 per cent is covered by total oil seeds leaving thereby about 35.2 per cent share to other non-food crops.

Yield per hectare Table-V-A :

The table-9 below indicates the yield per hectare in respect of four major crops Wheat, Rice, Maize and Barley, for the current year as well as for the preceding year 1985-86. The yield per hectare as well as total production in respect of these crops is determined every year on the basis of crop cutting experiments by random sampling method, with the kanungo circle as the lowest stratum. The execution of these experiments is under the charge of Director of Agriculture, H.P. while the actual execution of the field work is done by both the Departments i.e. Revenue and Agriculture. The average yield of four major crops for the year 1985-86 and 1986-87 was as given in Table-9.

Table-9 Average yield per hectare in kgs. of important crops :

Sr. No.	Name of the Crops	Yield per hectare in kg	
		1985-86	1986-87
	1	2	3
1.	Wheat	1306	1213
2.	Rice	1381	1100
3.	Maize	1740	1855
4.	Barley	1119	1077

The yield rate of these crops except Maize were found to be lower as compared to the rates of last year as such there was a decrease of about 0.22 lakh M.T. in the production of total cereals.

Besides the crop cutting experiments by random sampling method, these experiments are also conducted by traditional method under chapter 15 of the Himachl Pradesh Land Records Manual. According to this method average field of average village in assessment circle is selected by the Revenue Officer, as well as by Agriculture and Settlement Department Staff and the results are supplied on the prescribed format. On the basis of these results normal yield per hectare of different crops are worked out by the Director of Land Records with on the approval by the Government as well as by Agricultural Department, are utilised for working out the total out-turn. The normals are based on the five years average. On each crop at least two experiments are required to be conducted by each Revenue officer.

Production Table V.B. :

Because of unfavourable effect of weather conditions during the year under review 1986-87 the output of total food and non-food crops, as compared to the preceding year, decreased by 2.3 per cent. In absolute terms, it decreased from 12.63 lakh M.T. to 12.34 lakh M.T. or 0.29 lakh M.T.

Of the total production of foodgrains i.e. 12.29 lakh M.T. during 1986-87 the four major crops viz: Rice, Wheat, Barley and Maize together accounted for 93.6 per cent, thus leaving a marginal share of 1.7 per cent to all other crops such as small millets and pulses etc. Two major kharif crops i.e. Paddy and Maize contributed 6.69 lakh M.T. and the two major Rabi crops viz-Wheat and Barley accounted for 4.87 lakh M.T. of the total production. The percentage share of all food crops production to the total production was 99.6 per cent and thus of the non-food crop was merely 0.4 per cent.

The accompanying Table-10 reflects the crop-wise production for the years 1985-86 and 1986-87 as also the percentage share of each crop in the total production. Although 52.1 per cent of the total cropped area did not mature during the year under review, yet the total production of the crops over the preceding year recorded decrease of 2.3 per cent. This decrease was owing to the operation of two factors, first the more percentage of damaged area 52.1 per cent higher as compared to 22.0 percent of the corresponding preceding year and secondly, this year was widely unfavourable as compared to the preceding year.

The yield per hectare and production of all other crops, excepting the above mentioned four major crops, is determined by traditional method, which in the revenue jargon, is designated as paisa were/annawari estimate. This methodology is based on the 'Normal Yield' the 'Condition Factor' and the 'Current Yield'. The Normal Yield is characteristic of produce of a normal year under normal Agricultural conditions and is generally determined as 5 yearly moving average, which the condition factors denoted the condition of the current year crop with reference to the 'Normal Yield' and thereby helps in determining the current yield. The production is obtained as a product of area-X normal yield-X condition factor. The accuracy of the production estimates depended therefore on the reliability of each of these factors.

Table-10 Crop-wise production (Metric Tonnes) of 1986-87 as compared to 1985-86.

Sl. No.	Crops	1985-86		1986-87	
		Production in metric tonnes	Percentage share in total production	Production in metric tonnes	Percentage share in total production
A. 1.	Maize	521074	41.5	562990	45.6
2.	Wheat	492015	39.0	451394	36.6
3.	Rice	125400	9.9	10551	8.5
4.	Barley	37280	2.9	35374	2.9
5.	Other Cereals	12307	1.0	11129	0.9
A	Total Cereals	1188076	94.1	1166438	94.5
6.	Gram	4215	0.3	2946	0.2
7.	Blackgram	3007	0.2	2560	0.2
8.	Other pulses	5541	40.5	4933	0.4
B.	Total pulses	12763	1.0	10439	0.8
	Total Food Grains (A+B)	1200839	95.1	1176877	95.3
10.	(a) Potatoes	49334	3.9	48694	4.0
10.	(b) Sugarcane	2712	0.2	2641	0.2
11.	Other food crops	2249	0.2	955	0.1
C.	Total food crops	1255134	99.4	1229167	99.6
12.	Seasamum	1531	0.1	420	—
13.	Rape Mustard	1690	0.1	1078	0.1
14.	Tea	1036	0.1	1008	0.1
15.	Other non-food crop	3423	0.3	2121	0.2
D.	Total non-food crops	7680	0.6	4627	0.4
	Total—Food Crops and Non-Food Crops	1262814	100.0	1233794	100.0

The total production of cereals in the State decreased to 11.66 lakh M.T. from 11.88 lakh M.T. of the previous year and this decrease was 21.9 per cent. Like-wise total production in the State in respect of pulses also decreased to the extent of 2324 M.T. The total production of food crops which also included Potatoes, condiments and spices and other food crops etc. decreased to the level of 0.26 lakh M.T. or 2.1 per cent. The production of non-food crops also decreased from 7680 M.T. of the last year to 4627 M.T. during the current year. In percentage this decrease was 60.2 per cent. The major reasons for such a fall in the total production was unfavourable weather conditions prevailing during the year. Of the total production of crops the four major crops alone i.e. Wheat, Barley, Maize and Paddy contributed 93.6 per cent and rest of the contribution of 6.4 per cent went to other food and non-food crops. In ranking terms the order of crop production was Maize, Wheat, Rice and Potato.

Forecast Reports :

Besides publication of acreage and production of each crop in this Annual Report for each Agriculture year, the forecast reports of each crop according to their sowing and harvesting season are also issued by this Directorate as per forecast calendar mentioned in chapter-13 of the Himachal Pradesh Land Records Manual. The publication of crop forecast is most important because these are anxiously awaited by the State Government/Govt. of India and various other business firms so as to frame their estimates regarding availability of food grains and for determining the extent of imports and exports. Thus to streamline the flow of agricultural produce throughout the country the system of crop forecasts has been introduced in the entire country. As envisaged in chapter 13 of the Himachal Pradesh Land Records Manual, para-1, all forecast alongwith detailed introductory note on crop situation should be forwarded by the district officers to the Director of Land Records on the prescribed proforma, who in turn releases the State estimates. There are about three estimates indicating the growing and harvesting prospectus of each crop. The first and 2nd forecast according to para-13.3 of Himachal Pradesh Land Records Manual are prepared on the basis of personal observance inquiry of the Revenue functionaries whereas the 3rd or final estimates are prepared on the basis of ascertainment of the actual area sown under each crop during the operation of harvest inspection conducted by Revenue Agency in the State. These estimates also provide the information regarding condition factor, normal yield, total out-turn and irrigation facilities and thus are of utmost importance. The Annual Season and Crop Report gives the annual account of the crops in the cumulative form.

Farm Harvesting Prices Table-II.

Table-II gives a comprehensive data of farm harvest prices for the year, 1985-86 and 1986-87 of main crops.

Table-II Statement of Farm Harvest Prices of important crops for the year 1986-87 *vis-a-vis* 1985-86:

Sl. No.	Crop	Price of the crop at Farm site (per quintal)	
		1985-86	1986-87
1.	Rice	240.60	241.04
2.	Wheat	205.73	211.60
3.	Barley	185.60	187.35
4.	Maize	177.20	173.28
5.	Gram	514.65	500.50
6.	Sugarcane (Gur)	398.25	322.00
7.	Groundnut	593.50	654.17
8.	Rape	614.50	700.50
9.	Mustard	758.43	729.28
10.	Tobacco	504.50	516.83

The general rise in prices was mainly due to rise in the cost of cultivation, which in turn was attributable to the increase in the price of farm inputs.

These prices of the crops were collected in respect of the selected centres in each district as per chapter 14.15 of the H.P. Land Records Manual. Accordingly the Farm prices of a commodity are defined as the average wholesale price at which the commodity is disposed off by the producer to the trader at the Village site during the specified harvest period. For the State as a whole the increase in the farm prices was observed in respect of Rice, Wheat, Barley, Ground nut, Rape and Tobacco crops.

Agricultural Wages-Table-12 :

The table-12 gives comparative picture of the prevalent daily wage-rates of skilled and un-skilled labour in the districts. These average wage-rates have been computed on the basis of wage-rates prevailing in the various centres of the districts.

Table-12 Agricultural Wages (In rupees) for the State as a whole for the year 1985-86 in 1986-87 :

Sr. No.	Category of Labour	1985-86	1986-87
1.	Carpentre	26.32	29.21
2.	Blacksmith	24.34	27.04
3.	Cobbler	23.32	27.06
4.	Field Labour	15.51	15.84
5.	Other Agricultural Labour	14.11	14.97
6.	Herdsmen	12.97	13.52

There was increase in the wages of all categories of Agricultural Labourers due to high cost of living.

These wages according to part-B of chapter-16 of the Himachal Pradesh Land Records Manual are collected from the selected centres of each district. The wages are collected on the prescribed proforma on monthly basis and average rate of these wages computed in the report, have been compiled on the basis of these monthly statements.

State Livestock Table-13.

The table-13 below gives the comparative results of the 11th, 12th and 13th State Livestock Census held in 1972, 1977 and 1982 respectively.

TABLE-15

Statement showing Number and Area of Scheduled Castes in different size Clays of holdings in H.P. State for the year 1985-86

District	Marginal		Small		Semi-Medium		Medium		Large		Total		Average size
	No.	Area	No.	Area	No.	Area	No.	Area	No.	Area	No.	Area	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Bilaspur ..	7945	3829	1666	2270	396	1024	36	177	1	22	10044	7322	0.73
Chamba ..	8409	3908	1664	2099	319	818	21	99	—	—	10413	6924	0.66
Hamirpur ..	11137	3947	1056	1442	288	764	55	316	2	26	12538	6493	0.52
Kangra ..	30234	10035	3158	4310	949	2524	214	1266	9	137	34564	18272	0.53
Kinnaur ..	2235	982	514	759	96	242	9	45	—	—	2854	2028	0.71
Kullu ..	11917	4649	1624	2206	354	925	30	158	—	—	13925	7938	0.57
L. & S. ..	253	126	114	131	18	45	2	10	—	—	387	312	0.81
Mandi ..	27209	10501	4520	6155	1062	2750	112	564	2	27	32905	19997	0.61
Shimla ..	15866	6944	4483	6469	1734	4770	360	1964	16	231	22459	20378	0.91
Sirmaur ..	8613	4085	2905	4128	1693	4633	634	3586	90	1598	13935	18030	1.29
Solan ..	7623	4109	3740	5233	2300	6214	692	3716	24	299	14388	19631	1.36
Una ..	9643	3308	1096	1536	383	1034	107	576	12	141	11241	6595	0.59
Total ..	141084	56433	26549	36798	9592	25743	2272	12477	156	2481	179653	133922	0.745

TABLE-16

Statement showing Number and Area of Operational Holdings in Himachal Pradesh category 'Others' for the year 1985-86

Districts	Marginal		Small		Semi-Medium		Medium		Large		Total		Average holding
	No.	Area	No.	Area	No.	Area	No.	Area	No.	Area	No.	Area	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1. Bilaspur ..	14278	7854	8797	13696	5413	15341	1435	7715	63	1020	29986	45626	1.52
2. Chamba ..	19551	8888	8604	12352	4100	10856	715	3685	23	416	32993	36197	1.10
3. Hamirpur ..	25896	11919	11261	16227	7268	20050	2684	15337	256	3470	47365	67003	1.41
4. Kangra ..	104923	43922	26917	38021	15333	42965	7190	41590	1275	25248	155598	191746	1.23
5. Kinnaur ..	148	53	23	34	23	67	27	164	13	271	234	589	2.52
6. Kullu ..	18673	8666	7846	10533	3775	10038	787	4234	42	571	31123	34042	1.09
7. Lahaul & Spiti ..	5	2	2	3	3	7	2	77	—	—	12	29	2.42
8. Mandi ..	43378	19967	22390	32146	12143	33195	2934	15613	76	1038	80921	101959	1.26
9. Shimla ..	23534	10750	12258	17970	10783	29929	4752	2681	9510	7357	51857	92825	1.79
10. Sirmaur ..	8768	4361	5733	8462	6078	17486	4687	28546	1402	23539	26668	82394	3.09
11. Solan ..	10541	5691	7424	11547	7458	20908	4385	24851	618	8571	30426	71568	2.35
12. Una ..	33078	12991	9960	14047	6089	16879	3438	20703	1118	19275	53683	83895	1.56
Total ..	302793	135064	121215	175038	78466	217721	32996	189274	5396	90776	540866	807873	1.49

Table-13 Livestock in Himachal Pradesh during last three Censuses.

Sl. No.	Classification	1972	1977	1982	Percentage difference between 1977 and 1982 Censuses
1.	Total Cattle	2175690	2106220	2173663	+3.2
2.	Buffaloes	543887	560006	616415	+10.07
3.	Yaks	4589	3473	2908	-16.3
4.	Bovines	2724166	2669699	2393575	-16.3
5.	Sheep	1039946	1055005	1090322	+13.3
6.	Goats	906415	1035337	1059862	+12.4
7.	Horse and Ponies	16234	14958	16670	+12.2
8.	Mules	7000	8216	12679	+54.3
9.	Donkeys	4904	6074	6613	+8.9
10.	Camel	885	872	714	-19.1
11.	Pigs	2906	5165	8107	+57.0
12.	Total Livestock	4702456	4795226	4988540	+4.0
13.	Total Poultry	188649	329561	461285	+40.0
14.	Ploughs	501852	518240	623761	+20.4
15.	Carts	2682	2822	3403	+20.6
16.	Sugarcane Crushers	3192	4019	2961	-26.3
17.	Tractors	33	397	936	+135.8
18.	Oil Engines	255	989	1177	+19.1
19.	Electric Pumps	338	624	585	-6.2
20.	Ghatis	555	652	—	—

The increase in the total Livestock was normal and calls for no comments. It was revealed that the increase in buffaloes in the State has been quite noticeable, which in fact was due to increasing tendency to rear more buffaloes in low-lying areas namely, Bilaspur, Hamirpur, Kangra, Sirmour, Solan and Una. This also revealed the increasing tendency of the people to augment their income by maintaining more milch Cattle so as to reap more grains offered by the propagation of milk supply schemes in the State. The increase in total poultry was significant and was owing to the people's efforts to supplement their income by availing various incentives offered by the State Government. The work of quinquennial Livestock Census has also been entrusted to this Directorate. The Field Agency for this work is Patwaris and Kanungos of Revenue Department, who with their labourious efforts accomplish this huge task despite their over busy with day to day revenue work. From the 1982 Census, the Schedules of collecting the details of Livestock have slightly been modified so as to cover the indigenous and cross breeds of the animals. Under this Census number of cattle in milk, young stock bullocks, buffaloes, yaks, sheep, goats, mules, horses, ponies, pigs, camels, donkeys, poultry, ducks, agricultural implements, fisheries etc. are collected which are of vast use in terms of animal products available for human requirements. The asset of Livestock also play an appreciable role in rural economy and hence its regular study through such censuses is essential. The preliminary work for the conduct of 14th Livestock Census with reference date 15-10-1988 has also started by this Department.

District-wise Villages :

The district-wise break-up of inhabited and uninhabited villages, as per 1981 census is tabulated below.—

Table-14 List of inhabited and un-inhabited villages in each district as per 1981 Human Census :

Sl. No.	Districts	Number of Villages		
		Inhabited	Uninhabited	Total
1.	Bilaspur	942	74	1016
2.	Chamba	1098	482	1580
3.	Hamirpur	1621	31	1652
4.	Kangra	3753	319	4072
5.	Kinnaur	77	—	77
6.	Kullu	169	—	169
7.	Lahaul Spiti	239	98	337
8.	Mandi	2806	540	3346
9.	Shimla	2225	184	2409
10.	Sirmour	967	1	968
11.	Solan	2358	143	2501
12.	Una	552	42	594
Total		16807	1914	18721

The data of number and area of operational holdings as has been generated through the completion of Agricultural Census 1985-86 in respect of all the categories S/C & S/T holdings and others has been indicated in Table No. 15, 16, 17 and 18 respectively.

As the report unfolds itself, it will be seen that during the year under review there had been increase of about 1.0 per cent in the total cropped area over the corresponding last year but the decrease in total production (food and non-food crops both) over the same period has been 2.3 per cent. The decrease in production was recorded due to the fact that the total damaged area during the year, 1986-87 was more (52 per cent) as during the preceding year it was 22 per cent. This decrease in production was attributable to the Agricultural weather conditions having remained unfavourable for growth and maturity of the crops during the Agricultural year under report. The yield rates of four major crops viz.; Wheat, Barley, Rice and Maize were also less (except Maize) as compared to the last year rates per hectare. A major portion of cropped area in the State was affected adversely by the natural calamities. Thus, on the whole the Agricultural year was not a normal year for agricultural production.

TABLE-15
Statement showing Number and Area of Scheduled Castes in different size Class of holdings in H.P. State for the year 1985-86

District	Marginal		Small		Semi-Medium		Medium		Large		Total		Average size
	No.	Area	No.	Area	No.	Area	No.	Area	No.	Area	No.	Area	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Bilaspur ..	7945	3829	1666	2270	396	1024	36	177	1	22	10044	7332	0.73
Chamba ..	8409	3908	1664	2099	319	818	21	99	—	—	10413	6924	0.66
Hamirpur ..	11137	3947	1056	1442	288	764	55	316	2	26	12538	6495	0.52
Kangra ..	30234	10035	3158	4310	949	2524	214	1266	9	137	34564	18272	0.53
Kinnaur ..	2235	982	514	759	96	242	9	45	—	—	2854	2028	0.71
Kullu ..	11917	4649	1624	2306	354	925	30	158	—	—	15925	7938	0.57
L. & S. ..	253	126	114	131	18	45	2	10	—	—	387	312	0.81
Mandi ..	27209	10501	4520	6155	1062	2750	112	564	2	27	32905	19997	0.61
Shimla ..	15866	6944	4483	6469	1734	4770	360	1964	16	231	22459	20378	0.91
Sirmaur ..	8613	4085	2905	4128	1693	4633	634	3586	90	1598	13935	18030	1.29
Solan ..	7623	4109	3749	5213	2370	6214	692	3715	24	299	14388	19631	1.36
Una ..	9643	3308	1096	1536	383	1034	107	576	12	141	11241	6595	0.59
Total ..	141084	56423	26549	36798	9592	25743	2272	12477	156	2481	179653	133922	0.745

TABLE-16

Statement showing Number and Area of Operational Holdings in Himachal Pradesh category 'Others' for the year 1985-86

Districts	Marginal		Small		Semi-Medium		Medium		Large		Total		Average holding
	No.	Area	No.	Area	No.	Area	No.	Area	No.	Area	No.	Area	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1. Bilaspur ..	14278	7854	8797	13696	5413	15341	1435	7715	63	1020	29986	45626	1.52
2. Chamba ..	19551	8888	8604	12352	4100	10856	715	3685	23	416	32993	36197	1.10
3. Hamirpur ..	25896	11919	11261	16227	7268	20050	2684	15337	256	3470	47365	67003	1.41
4. Kangra ..	104923	43922	26917	38021	15333	42965	7150	41590	1275	25248	155598	191746	1.23
5. Kinnaur ..	148	53	23	34	23	67	27	164	13	271	234	589	2.52
6. Kullu ..	18673	8666	7846	10333	3775	10038	787	4234	42	571	31123	34042	1.09
7. Lahaul & Spiti ..	5	2	2	3	3	7	2	77	—	—	12	29	2.42
8. Mandi ..	43378	19967	22390	32146	12143	33195	2934	15613	76	1038	80921	101939	1.26
9. Shimla ..	23554	10750	12258	17970	10783	29929	4752	2681	9510	7357	51857	92825	1.79
10. Sirmaur ..	8768	4361	5733	8462	6078	17486	4687	28546	1402	23539	26668	82394	3.09
11. Solan ..	10541	5691	7424	11547	7458	20908	4385	24851	618	8571	30426	71568	2.35
12. Una ..	33078	12991	9960	14047	6089	16879	3438	20703	1118	19275	53683	83895	1.56
Total ..	302793	135064	121215	175038	78466	217721	32996	189274	5396	90776	540866	807873	1.49

Table 17

Statement showing number and area of Scheduled Tribes in different size class of holdings in H.P. State for the year 1985-86

District	Marginal		Small		Semi-Medium		Medium		Large		Total	Average holding size	
	No.	Area	No.	Area	No.	Area	No.	Area	No.	Area			
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Bilaspur	551	317	378	564	232	623	69	364	6	65	1236	1933	1.56
Chamba	11344	5536	3977	5552	1311	3436	148	725	1	11	16781	15260	0.91
Hamirpur	—	—	2	3	—	—	—	—	—	—	2	3	1.95
Kangra	16	6	12	17	3	9	2	10	1	21	34	63	1.85
Kinnaur	3258	1447	1764	2549	1386	3834	476	2673	37	690	6921	11193	1.62
Kullu	1212	352	74	101	26	71	7	37	1	11	1320	572	0.43
Lahul-Spiti	1779	793	783	1189	844	3254	254	1331	15	184	3673	5751	1.56
Mandi	789	356	296	419	130	350	53	308	5	67	1273	1500	1.18
Shimla	152	44	16	24	9	27	1	4	4	54	182	153	0.84
Sirmaur	305	184	151	205	120	346	66	414	20	480	662	1629	2.46
Solan	120	62	94	130	54	147	8	39	1	10	277	388	1.40
Una	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	19526	9097	7547	10753	4115	11097	1084	5005	91	1593	32363	38445	1.19

Table 18

Statement showing Number and Area of Operational Holdings in Himachal Pradesh for the year 1985-86

Districts	Marginal		Small		Semi-medium		Medium		Large		Total	Average holding size	
	No.	Area	No.	Area	No.	Area	No.	Area	No.	Area			
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1. Bilaspur	22774	12000	10841	16530	6041	16988	1540	8256	70	1107	41266	54881	1.33
2. Chamba	39304	18332	14245	20003	5730	15110	884	4509	24	427	60187	58381	0.97
3. Hamirpur	37033	15866	12319	17672	7556	20814	2739	15653	258	3496	59905	73501	1.23
4. Kangra	135173	53963	30087	42348	16285	45498	87366	42866	1285	25406	190196	210081	1.10
5. Kinnaur	5641	2482	2301	3342	1505	4143	512	2882	50	961	10009	13810	1.38
6. Kullu	31802	13667	9544	12840	4155	11034	824	4429	43	582	46368	42552	0.92
7. L&S	2037	921	899	1323	865	2306	258	1358	15	184	4074	6092	1.60
8. Mandi	71576	30824	27206	38720	13335	36295	3099	16485	83	1132	113099	123456	1.07
9. Shimla	39372	17738	16757	24463	12526	34726	51113	28787	530	7642	74498	113356	1.52
10. Sirmaur	17686	8630	8789	12795	7891	22465	5387	32546	1512	25617	41265	102053	2.47
11. Solan	18284	9862	11267	16970	9812	27269	5085	28606	643	8880	45091	91587	2.03
12. Una	42721	16299	11056	15583	6472	17913	3545	21279	1130	19416	64924	90490	1.39
Total	463403	200584	155311	222589	92173	254661	36352	207656	5643	94850	752882	980240	1.30

Table 17
Statement showing number and area of Scheduled Tribes in different size class of holdings in H.P. State for the year 1985-86

District	Marginal		Small		Semi-Medium		Medium		Large		Total	Average size	
	No.	Area	No.	Area	No.	Area	No.	Area	No.	Area			
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Bilaspur	551	317	378	564	232	623	69	364	6	65	1236	1933	1.56
Chamba	11344	5536	3977	5552	1311	3436	148	725	1	11	16781	15260	0.91
Hamirpur	—	—	2	3	—	—	—	—	—	—	2	3	1.95
Kangra	16	6	12	17	3	9	2	10	1	21	34	63	1.85
Kinnaur	3258	1447	1764	2549	1386	3834	476	2673	37	690	6921	11193	1.62
Kullu	1212	352	74	101	26	71	7	37	1	11	1320	572	0.43
Lahul-Spiti	1779	793	783	1189	844	3254	254	1331	15	184	3675	5751	1.56
Mandi	789	356	296	419	130	350	51	308	5	67	1273	1500	1.18
Shimla	152	44	16	24	9	27	1	4	4	54	182	153	0.84
Sirmaur	305	184	151	205	120	346	66	414	20	480	662	1629	2.46
Solan	120	62	94	130	54	147	8	39	1	10	277	388	1.40
Una	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	19526	9097	7547	10753	4115	11097	1084	5905	91	1593	32363	38445	1.19

Table 18

Statement showing Number and Area of Operational Holdings in Himachal Pradesh for the year 1985-86

Districts	Marginal		Small		Semi-medium		Medium		Large		Total	Average holding size	
	No.	Area	No.	Area	No.	Area	No.	Area	No.	Area			
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1. Bilaspur	22774	12000	10841	16530	6041	16988	1540	8256	70	1107	41266	54881	1.33
2. Chamba	39304	18332	14245	20003	5730	15110	884	4509	24	427	60187	58381	0.97
3. Hamirpur	37033	15866	12319	17672	7556	20814	2739	15653	258	3496	59905	73501	1.23
4. Kangra	135173	53963	30087	42348	16285	45498	87366	42866	1285	25406	190196	210081	1.10
5. Kinnaur	5641	2482	2301	3342	1505	4143	512	2882	50	961	10009	13810	1.38
6. Kullu	31802	12667	9544	12840	4155	11034	824	4429	43	582	46368	42552	0.92
7. L&S	2037	921	899	1323	865	2306	258	1358	15	184	4074	6092	1.60
8. Mandi	71376	30824	27206	38720	13335	36295	3099	16485	83	1132	115099	123456	1.07
9. Shimla	39572	17738	16757	24463	12526	34726	51113	28787	530	7642	74498	113356	1.52
10. Sirmaur	17686	8630	8789	12795	7891	22465	5387	32546	1512	25617	41265	102053	2.47
11. Solan	18284	9862	11267	16970	9812	27269	5085	28606	643	8880	45091	91587	2.03
12. Una	42721	16299	11056	15583	6472	17913	3545	21279	1130	19416	64924	90490	1.39
Total	463403	200584	155311	222589	92173	254661	36352	207656	5643	94850	752882	980240	1.30

SUMMARY TABLES

A—Classification of Area

(In hectares)

Heads of classification 1	1982-83		1983-84		1984-85	
	Area 2	% of total 3	Area 4	% of total 5	Area 6	% of total 7
Total Geographical Area :						
By Professional Survey	55,67,300	100	55,67,300	100	55,67,300	100
Reporting area for land utilisation purposes (By Village Papers)	31,13,429	56	31,83,703	57	32,15,375	58
Classifications :						
Forests	8,08,616	26	8,62,061	27	8,74,331	27
Barren and unculturable land	1,43,606	5	1,65,345	5	1,59,347	5
Land put to non-agricultural uses	1,63,480	5	1,76,848	6	2,06,225	6
Culturable waste	2,38,971	8	1,29,273	4	1,30,004	4
Permanent pastures and other grazing lands	10,88,917	35	11,61,184	36	11,57,638	35
Land under Misc. tree crops and groves not included in area sown	41,436	1	39,379	1	40,225	1
Current fallows	43,065	1	44,579	2	53,377	2
Other fallow land	13,940	—	14,485	—	14,203	—
Net area sown	5,71,408	19	5,92,549	19	5,80,025	19
Area sown more than once	3,86,454	—	3,78,718	—	4,05,036	—
Total cropped area	9,57,862	—	9,71,267	—	9,85,061	—

(In hectares)

Heads of classification 1	1985-86		1986-87	
	Area 8	% of total 9	Area 10	% of total 11
Total Geographical Area :				
By Professional Survey	55,67,300	100	55,67,300	100
Reporting area for land utilisation purposes (By Village Papers)	3,22,7071	58	33,25,283	60
Classifications :				
Forests	8,84,715	27	9,23,010	28
Barren and unculturable land	1,59,573	5	1,91,482	6
Land put to non-agricultural uses	2,20,115	7	2,01,451	6
Culturable waste	1,24,027	4	1,27,594	4
Permanent pastures and other grazing lands	11,53,568	36	12,02,246	36
Land under Misc. tree crops and groves not included in area sown	40,747	1	40,538	1
Current fallows	43,906	1	44,031	1
Other fallow land	13,750	1	14,003	1
Net area sown	5,82,600	18	5,80,928	17
Area sown more than once	3,91,038	12	4,02,158	12
Total cropped area	9,73,638	30	9,83,086	30

SUMMARY TABLES—contd.

B—Sources of Water Supply and Area Irrigated therefrom

(In hectares)

	1982-83	1983-84	1984-85	1985-86	1986-87
1	2	3	4	5	6
(i) Specification of Sources :					
Private canals—					
Number ..	—	—	3940	5275	3640
Length in kilometre ..	—	—	5261	5567	2401
Government canals—					
Number ..	1	1	291	353	349
Length in kilometre ..	10	10	228	241	240
Tubewells—					
Government ..	134	156	166	296	346
Private ..	985	1101	1152	1364	1063
Total ..	1,119	1,257	1,378	1,600	1,409
No. of other Government wells used for irrigation purposes only—					
Masonry ..	—	25	19	70	72
Non-masonry ..	—	29	26	26	—
No. of other private wells used for irrigation purposes only—					
Masonry ..	4,275	953	1,016	1,023	841
Non-Masonry ..	80	1,073	1,073	1,005	167
No. of total wells in use for irrigation purposes ..	4535	2,090	2,136	2,184	1,080
No. of wells used for domestic purposes only ..	—	2,835	2,838	2853	2,867
No. of wells not in use ..	—	497	547	556	619
No. of reservoirs ..	69	120	111	117	111
No. of Tanks—					
With Ayacut 100 hectares or more ..	23	3	13	36	37
With Ayacut less than 100 hectares ..	365	358	443	460	531
Total ..	388	361	458	496	568
No. of oil engines ..	1,177	1,177	231	254	244
(ii) Net Area Irrigated by—					
Government canals ..	1,690	3,034	7,246	6,926	6,542
Private canals ..	—	—	—	—	—
Tanks ..	549	576	717	668	603
Wells ..	5,982	4,168	3,251	3,682	3,744
Other sources Kulis ..	84,364	86,383	83,830	84,862	84,527

SUMMARY TABLES—contd.

B—Sources of Water Supply and Area Irrigated therefrom—contd.

(In hectares)

	1983-83	1983-84	1984-85	1985-86	1986-87
1	2	3	4	5	6
Per cent of net area irrigated to net area sown ..	16%	16%	16%	16.3%	16.4%
Area irrigated more than once in the same year (in hectares) ..	65,468	70,906	73,963	73,338	75,067
Total gross area of crops irrigated (in hectares) ..	1,59,053	1,63,067	1,69,007	1,69,476	1,71,283
Per cent of total irrigated area to total sown area ..	17%	17%	17%	17.4%	17.4%
Number of wells having independent ayacuts ..	—	—	—	—	—
Number of wells supplementary recognised sources of irrigation ..	—	—	—	—	—
Per cent of area irrigated by wells having independent ayacuts to the total area irrigated ..	—	—	—	—	—

SUMMARY TABLES—contd.

C—Area of Crops Irrigated

(In hectares)

Crops 1	1981-82 2	1982-83 3	1983-84 4	1984-85 5	1985-86 6
(i) Food Crops:					
Rice—					
Autumn	—	—	—	—	—
Winter	—	—	—	—	—
Summer	49,100	53,041	51,664	50,506	52,092
Total	49,100	53,041	51,664	50,506	52,092
Wheat	61,414	60,382	65,176	64,231	63,181
Jowar—					
Rabi	—	—	3	5	—
Kharif	—	—	—	—	—
Total	—	—	3	5	—
Bajra	12	5	8	24	15
Barley	5,430	5,141	4,763	4,839	4,605
Mnize	19,058	21,723	21,365	21,853	22,309
Ragi	383	371	444	390	950
Italian millets	—	—	—	801	—
Kodo	—	—	1	—	—
Little millets	—	—	367	213	170
Common millets	2,703	2,902	1,908	1,890	1,129
Gram	208	245	238	410	483
Green gram	426	13	23	40	242
Red gram	—	—	—	1,071	—
Black gram	—	—	—	449	—
Horse gram	100	162	217	213	148
Masur	292	191	255	227	275
Sugarcane	738	928	820	725	848
Potatoes	2,476	2,613	2,809	2,968	3,071
Misc. food crops	5,915	6,798	7,429	6,480	9,462
Cardamoms	—	—	—	2	32
Chillies	235	188	166	238	237
Giager	888	951	1,046	1,076	980
Pepper	106	106	81	119	96
Turmeric	6	7	8	16	60
Total Food Crops	1,49,586	1,55,767	1,59,191	1,58,791	1,60,585
(ii) Non-Food Crops:					
Cotton—					
Desi	166	126	71	71	97
Amerlegh	1	1	2	9	2
Total	167	127	73	80	99

SUMMARY TABLES—contd.

C—Area of Crops Irrigated—contd.

(in hectares)

Crops 1	1982-83 2	1983-84 3	1984-85 4	1985-86 5	1986-87 6
Jute	—	—	—	—	—
San Hemp	9	12	4	19	10
Groundnut	71	81	87	90	86
Coconut	—	—	—	—	—
Seamum	193	282	226	256	239
Rape	116	126	77	93	104
Mustard	386	306	451	441	457
Linseed	4,774	4,443	4,597	4,117	4,504
Castor	—	—	—	—	48
Indigo	—	—	—	—	—
Rubber	—	—	—	—	—
Tobacco	47	24	27	50	26
Coffee	—	—	—	—	—
Tea	1,328	1,480	—	2,104	1,436
Indian Hemp	—	—	—	—	1
Opium	—	—	215	286	—
Cardamoms	—	—	—	—	—
Chillies	—	—	—	—	—
Ginger	—	—	—	—	—
Pepper	—	—	—	—	—
Turmeric	—	—	—	—	—
Fodder crops	2,285	2,273	2,902	3,039	3,377
Misc. non-food crops	91	146	1,155	110	311
Total non-food crops	9,467	9,300	9,816	10,685	10,698
Total irrigated crops	1,59,053	1,65,067	1,69,007	1,69,476	1,71,283

CONTENTS

<i>Explanatory Note</i>	<i>Page</i> <i>(i) to (xxxi)</i>
SUMMARY TABLES	
A—Classification of Area ..	1
B—Sources of Water Supply and Irrigated therefrom ..	2—3
C—Area of crops irrigated ..	4—5
D—Area under all crops ..	6—9
E—Average yield per hectare, condition of the crop and the total outturn of crops ..	10—13
F—Farm Prices ..	14
G—Agricultural Wages ..	15
H—Number of Livestock, Poultry, Agricultural Machinery and implements ..	16
DETAILED TABLES	
I Rainfall ..	18—19
II Classification of Area ..	20—21
III-A. Sources of Water Supply and Area Irrigated therefrom ..	22—23
B. Area of Crops Irrigated ..	24—27
IV-A. Area under food crops ..	28—36
B. Area under non-food crops ..	37—41
V Details of cropped area ..	42—43
V-A. Standard yield per hect. and actual yield per hectare ..	44—51
B. Total outturn of crops ..	52—57
VI Farm Prices ..	58—59
VII Agricultural Wages ..	60—65
VIII Number of livestock, Poultry, Agricultural Machinery and implements ..	56—69

CONTENTS

<i>Explanatory Note</i>	<i>Page</i> (i) to (xxxi)
SUMMARY TABLES	
A—Classification of Area ..	1
B—Sources of Water Supply and Irrigated therefrom ..	2—3
C—Area of crops irrigated ..	4—5
D—Area under all crops ..	6—9
E—Average yield per hectare, condition of the crop and the total outturn of crops ..	10—13
F—Farm Prices ..	14
G—Agricultural Wages ..	15
H—Number of Livestock, Poultry, Agricultural Machinery and implements ..	16
DETAILED TABLES	
I Rainfall ..	18—19
II Classification of Area ..	20—21
III-A. Sources of Water Supply and Area Irrigated therefrom ..	22—23
B. Area of Crops Irrigated ..	24—27
IV-A. Area under food crops ..	28—36
B. Area under non-food crops ..	37—41
V Details of cropped area ..	42—43
V-A. Standard yield per hect. and actual yield per hectare ..	44—51
B. Total outturn of crops ..	52—57
VI Farm Prices ..	58—59
VII Agricultural Wages ..	60—65
VIII Number of livestock, Poultry, Agricultural Machinery and implements ..	56—69

SUMMARY TABLES—contd.

D—Area under all Crops

(In hectares)

Crops 1	1982-83 2	1983-84 3	1984-85 4	1985-86 5	1986-87 6
Paddy Rice—					
Autumn	—	—	—	—	—
Winter	—	—	—	—	—
Summer	90,531	94,677	94,763	90,762	95,944
Total ..	90,531	94,677	94,763	90,762	95,944
Wheat	3,75,906	3,76,263	3,85,813	3,77,107	3,71,884
Jowar—					
Rabi	—	—	38	—	—
Kharif	1,216	153	116	181	216
Total ..	1,216	153	154	181	216
Bajra	63	17	56	53	63
Barley	37,742	34,645	32,643	34,241	32,994
Maize	2,88,283	2,98,257	3,07,575	2,99,514	3,03,426
Ragi	8,655	8,235	7,884	6,691	8,032
Italian millets	—	—	415	—	—
Kodo	—	—	—	215	3
Little millets	—	—	581	—	—
Common millets	22,628	21,941	19,355	20,077	18,022
Other Cereals—					
Kharif	—	—	—	402	586
Rabi	—	—	—	89	23
Total ..	—	—	—	491	609
Total cereals ..	8,25,024	8,34,178	8,49,219	8,29,353	8,31,111
Gram	3,942	4,146	3,912	6,928	9,353
Green gram	145	127	82	214	200
Red gram	31	168	325	322	1,046
Black gram	23,092	22,700	23,543	20,954	19,553
Horse gram	7,642	7,852	7,660	7,070	6,558
Masur	2,557	1,890	1,859	2,035	3,474
Other pulses—					
Kharif	3,691	4,383	4,166	4,052	4,006
Rabi	1,849	2,180	2,054	2,172	3,209
Total ..	5,540	6,563	6,220	6,224	7,215
Total pulses ..	42,949	43,446	43,601	43,747	47,399
Total Foodgrains ..	8,67,973	8,77,624	8,92,820	8,73,080	8,78,510
Sugar crops—					
Sugarcane	3,316	3,683	3,359	2,707	2,731
Other sugar crops	—	—	—	—	—
Total ..	3,316	3,683	3,359	2,707	2,731

SUMMARY TABLES—contd.

D—Area under all Crops—contd.

(In hectares)

Crops 1	1982-83 2	1983-84 3	1984-85 4	1985-86 5	1986-87 6
Fresh Fruits—					
Apples	19,969	23,173	22,352	24,494	25,241
Grapes	202	11	9	17	18
Bananas	472	145	140	3	4
Citrus fruits	86	2,034	122	282	147
Mangoes	194	136	4,205	3,863	3,826
Peaches and pears	151	171	140	176	261
Other fresh fruits	7,407	4,278	4,450	5,983	6,434
Total fresh fruits ..	28,481	29,948	31,418	34,818	35,931
Dry fruits—					
Cashew nuts	—	—	—	—	—
Other dry fruits	285	380	418	380	361
Total dry fruits ..	285	380	418	380	361
Vegetables—					
Potatoes	13,347	13,570	13,739	14,650	15,429
Yapsoa	—	—	—	—	—
Sweet potatoes	252	209	—	2	2
Onions	634	497	635	683	713
Others—					
Winter	3,112	4,135	4,174	5,066	4,956
Summer	3,931	3,451	3,768	4,785	5,237
Total Others ..	7,043	7,586	7,942	9,851	10,193
Total vegetables ..	21,231	22,162	22,376	25,186	26,337
Total fruits and vegetables ..	49,997	52,490	54,152	60,384	62,629
Other Misc. food crops ..	—	102	1,489	—	—
Total food Crops ..	—	—	—	—	—
Condiments and Spices—					
Betelnuts	—	—	—	—	—
Cardamoms	—	—	—	—	—
Chillies	890	824	849	860	904
Ginger	1,906	1,733	2,062	2,231	2,362
Pepper	—	—	—	—	—
Turmeric	52	73	34	59	98
Other condiments and spices	285	391	220	354	469
Total condiments and spices ..	1,133	3,021	3,166	3,504	3,834
Fibres					
Cotton—					
Desi	—	—	383	199	203
American	—	656	90	136	58
Total ..	—	656	473	335	261
Jute	—	—	—	—	—
San Hemp	—	229	303	273	314
Other fibres	—	1	146	—	—
Total fibres ..	—	886	922	608	573

SUMMARY TABLES—contd.

D—Area under all Crops—contd.

(In hectares)

Crops 1	1982-83 2	1983-84 3	1984-85 4	1985-86 5	1986-87 6
Edible Oil seeds—					
Groundnut ..	1,439	882	837	986	1,040
Coconut ..	—	—	—	—	—
Sesamum ..	7,951	8,296	8,044	6,246	7,184
Rape ..	619	669	259	394	443
Mustard ..	6,472	6,243	5,860	6,541	7,661
Other edible oil seeds ..	815	765	1,151	2,035	1,253
Total edible oil seeds ..	17,296	16,855	16,151	16,202	17,581
Non-edible oil seeds—					
Linseed ..	5,200	4,747	5,132	5,112	5,049
Castor ..	219	—	—	—	269
Other non-edible oilseeds ..	517	51	24	30	—
Total non-edible oilseeds ..	5,936	5,052	5,156	5,142	5,328
Total oilseeds ..	23,232	21,907	21,307	21,344	22,909
Dyes and Tanning Materials—					
Indigo ..	—	—	—	—	—
Other dyes and tanning materials ..	—	—	—	—	—
Total dyes and tanning materials ..	—	—	—	—	—
Rubber ..	—	—	—	—	—
Drugs and Narcotics—					
Tobacco ..	248	214	227	185	167
Coffee ..	—	—	—	—	—
Tea ..	2,418	3,215	3,082	3,099	3,232
Indian Hemp ..	156	155	—	—	152
Opium ..	16	—	—	—	—
Cinchona ..	—	—	—	—	—
Other drugs and narcotics ..	19	6	141	253	329
Total drugs and narcotics ..	2,857	3,590	3,450	3,537	3,880
Condiments and Spices—					
Betelnuts ..	—	—	—	—	—
Cardamoms ..	—	—	—	—	—
Crillies ..	—	—	—	—	—
Ginger ..	—	—	—	—	—
Pepper ..	—	—	—	—	—
Turmeric ..	—	—	—	—	—
Other condiments and spices ..	—	—	—	—	—
Total condiments and spices ..	—	—	—	—	—
Fodder Crops ..	—	7,752	7,349	8,266	8,006
Other Misc. non-food crops ..	6,432	212	45	208	12
Total non-food crops ..	33,443	34,347	33,073	33,963	35,382

SUMMARY TABLES—contd.

D—Area under all Crops—concl'd.

(In hectares)

Crops 1	1982-83 2	1983-84 3	1984-85 4	1985-86 5	1986-87 6
Gross cropped area—					
 Kharif:					
Food crops ..	4,93,911	5,09,881	5,26,645	5,06,623	5,13,278
Non-food crops ..	16,388	17,515	17,378	16,629	17,228
 Rabi:					
Food crops ..	4,30,508	4,27,039	4,28,342	4,33,052	4,34,426
Non-food crops ..	17,055	16,832	15,648	17,334	18,154
Total food crops ..	9,24,419	9,36,920	9,54,986	9,39,675	9,47,704
Total non-food crops ..	33,443	34,347	33,073	33,963	35,382
Grand Total ..	9,57,862	9,71,267	9,88,059	9,73,638	9,83,086
Area cropped more than once ..	3,86,454	3,78,718	4,08,024	3,91,038	4,02,158
Net cropped area ..	5,71,408	5,92,549	5,80,025	5,82,600	5,80,928
Cropped area of forecast crops—					
Fruited ..	3,74,726	6,16,573	1,75,733	2,08,997	5,12,344
Matured ..	5,38,136	3,94,734	7,97,448	7,51,823	4,66,868
Total gross un-adjusted area under various crop-mixtures ..	—	—	14,878	12,818	3,874

SUMMARY

E—Average yield per acre condition of the

Crops	1982-83		1983-84	
	Average yield 2	Total outturn 3	Average yield 4	Total outturn 5
1	2	3	4	5
Rice—				
Autumn ..	—	—	—	—
Winter ..	—	—	—	—
Summer ..	825	75,335	202	1,13,826
Total ..	825	75,335	202	1,13,826
Wheat ..	1,184	4,43,361	807	3,03,405
Jowar—				
Rabi ..	—	—	—	—
Kharif ..	127	154	379	58
Total ..	127	154	379	58
Bajra ..	222	14	176	3
Barley ..	1,255	45,974	988	33,200
Maize ..	1,388	4,01,597	1,993	5,93,953
Ragi ..	688	5,957	865	7,128
Common & little millets ..	341	7,728	359	12,271
Other cereals ..	—	—	—	—
Total cereals ..	—	9,80,120	—	10,63,844
Gram ..	394	1,552	214	405
Other pulses (Kharif and Rabi) ..	—	1,658	—	3,090
Green Gram ..	241	35	284	2,228
Red Gram ..	258	8	166	690
Black Gram ..	193	4,459	314	40
Horse Gram ..	165	1,260	292	49
Masur ..	301	771	310	7,035
Total Pulses ..	—	9,741	—	13,537
Total Foodgrains ..	—	9,87,861	—	10,77,381
Sug. cane ..	904	2,998	1,029	4,790
Potatoes ..	2,348	11,281	3,976	55,113
Chillies ..	153	136	221	182
Ginger ..	280	535	409	710
Turmeric ..	365	19	329	24
Cardamom ..	—	—	—	—
Pepper ..	—	—	—	—
Other Condiments & Spices ..	—	27	—	—
Total Food Crops ..	—	10,24,030	—	11,38,230

TABLES—contd.

Crops and the total outturn of Crops

Crops	1984-85		1985-86		1986-87	
	Average yield 6	Total outturn 7	Average yield 8	Total outturn 9	Average yield 10	Total outturn 11
	6	7	8	9	10	11
—	—	—	—	—	—	—
—	—	—	—	—	—	—
1,237	1,17,227	1,381	1,25,400	—	1,05,551	
1,237	1,17,227	1,381	1,25,400	—	1,05,551	
696	2,69,489	1,706	4,92,015	—	4,51,394	
—	26	—	—	—	—	
—	37	507	55	—	3	
—	63	507	55	—	3	
—	14	553	19	—	25	
851	27,262	1,119	37,380	—	35,374	
1,897	5,71,635	1,740	5,21,074	—	5,62,990	
—	5,666	534	4,021	—	4,193	
467	8,682	378	8,212	—	6,908	
—	—	—	—	—	—	
—	10,00,039	—	11,88,076	—	11,66,438	
398	428	518	4,215	—	2,946	
—	2,574	—	3,761	—	3,089	
295	21	276	7	—	11	
338	12	381	131	—	75	
250	3,297	273	3,007	—	2,560	
244	1,288	267	1,233	—	904	
257	494	291	409	—	854	
—	8,114	—	12,763	—	10,439	
—	10,08,153	—	12,00,839	—	11,76,877	
1,284	4,828	1,374	2,712	—	2,641	
3,916	42,269	4,498	49,334	—	—	
230	134	241	130	—	137	
1,634	1,376	1,635	1,300	—	800	
—	15	341	18	—	17	
—	2	122	—	—	1	
—	—	—	—	—	—	
—	257	300	801	—	—	
—	10,61,034	—	12,55,134	—	12,29,167	

SUMMARY

E—Average yield per acre condition of the

Crops	1982-83		1983-84	
	Average yield 2	Total outturn 3	Average yield 4	Total outturn 5
Non-Food Crops—				
Coconut	—	—	—	—
Sesamum	183	1,455	277	2,301
Rape	354	219	142	159
Mustard	185	1,195	142	826
Linseed	285	1,484	303	1,313
Castor	—	—	—	—
Groundnut	134	193	1,079	952
Indigo	—	—	—	—
Rubber	—	—	—	—
Tobacco	391	97	392	84
Coffee	—	—	—	—
Tea	—	—	395	1,077
Hemp	—	—	—	—
Cotton—				
Desi	270	1,043	241	931
	Bales	Bales	Bales	Bales
American	—	—	—	—
Jute	—	—	—	—
San Hemp	—	—	463	106
Hemp	389	103	463	—
Total Non-Food Crops	—	5,220	—	6,827
Total Food and Non-Food Crops	—	10,30,050	—	11,45,037

TABLES—contd.

Crops and total outturn of Crops—contd.

	1984-85		1985-86		1986-87	
	Average yield 6	Total outturn 7	Average yield 8	Total outturn 9	Average yield 10	Total outturn 11
	—	—	—	—	—	—
	—	1,380	209	1,531	—	420
	340	68	454	170	—	75
	200	454	284	1,520	—	1,003
	185	1,130	216	1,662	—	1,395
	640	855	629	910	—	436
	—	—	—	—	—	—
	370	54	484	92	—	37
	—	—	—	—	—	—
	350	516	350	1,036	—	1,008
	—	130	185	—	—	—
	376	1,096	372	438	—	236
	Bales	Bales	Bales	Bales	Bales	Bales
	—	—	213	100	—	—
	—	—	—	—	Bales	Bales
	306	130	446	127	—	110
	—	—	—	—	—	—
	—	4,772	—	7,680	—	4,627
	—	10,65,806	—	12,62,314	—	12,33,794

SUMMARY TABLES—contd.

F—Farm prices of Principal Crops

(In rupees per quintal)

1	1982-83 2	1983-85 3	1984-85 4	1985-86 5	1986-87 6
Rice ..	213.55	224.26	212.20	240.00	241.04
Wheat ..	193.35	184.55	205.33	205.75	211.60
Jowar ..	225.10	250.00	250.00	120.00	147.50
Bajra ..	216.66	250.00	200.00	200.00	155.00
Barley ..	174.30	162.47	190.00	185.60	187.35
Gram ..	378.05	419.13	558.00	497.69	500.50
Maize ..	159.03	168.40	160.00	177.20	173.28
Cotton ..	1,066.75	1,117.00	1,187.75	1,106.00	938.13
Masur ..	—	—	—	—	—
Sugar raw ..	262.00	286.00	292.66	398.25	322.00
Groundnut ..	456.66	657.75	754.00	593.50	654.17
Castor seed ..	—	—	—	—	—
Linseed ..	478.33	528.08	590.14	580.25	674.93
Rape ..	520.75	649.12	909.40	614.50	700.50
Mustard ..	—	626.65	653.77	758.43	729.28
Sesamum ..	618.05	689.51	720.80	704.85	823.79
Tobacco ..	329.25	471.72	504.40	504.50	516.83
Ginger ..	473.05	564.69	497.50	428.25	519.86
Pepper ..	—	—	—	—	—

SUMMARY TABLES—contd.

G—Agricultural Wages

(In Rupees)

Months and year	Skilled Labour			Field Labour	Other Agr. Labour	Herdsmen
	Carpenters	Blacksmiths	Cobblers			
1	2	3	4	5	6	7
1986-87—						
July ..	28.72	26.30	26.92	15.53	14.52	13.05
August ..	29.00	26.30	26.93	15.54	14.59	13.05
September ..	29.25	26.37	26.93	15.47	14.64	13.05
October ..	29.24	27.23	27.17	15.47	14.75	13.05
November ..	28.83	26.41	27.37	15.67	14.95	13.27
December ..	28.85	26.44	27.40	15.70	14.86	13.43
January ..	28.88	26.55	27.51	15.92	14.79	13.33
February ..	28.89	26.87	23.34	15.80	14.86	13.35
March ..	29.10	27.10	27.82	15.80	14.80	13.80
April ..	29.41	27.70	27.24	15.86	15.82	14.17
May ..	30.23	28.53	28.33	16.51	15.50	14.28
June ..	30.18	28.64	28.06	16.74	15.60	14.23
Average for the year ..	29.21	27.04	27.06	15.84	14.97	13.52
1985-86—						
July ..	22.64	23.22	21.55	14.80	13.96	12.60
August ..	25.85	23.68	21.90	14.48	13.64	12.74
September ..	26.00	24.05	22.87	14.80	14.32	13.07
October ..	25.64	23.49	21.97	14.64	13.60	12.66
November ..	25.72	24.83	23.00	15.72	14.88	13.63
December ..	26.77	24.05	23.05	15.62	13.75	12.96
January ..	26.28	24.53	23.90	15.80	13.86	12.96
February ..	26.37	24.77	23.88	15.82	14.02	12.83
March ..	26.62	24.66	24.09	15.69	13.97	13.16
April ..	26.72	24.69	24.07	16.47	14.62	13.03
May ..	26.99	24.80	24.59	15.90	14.24	13.25
June ..	27.29	25.25	25.31	16.43	14.46	12.75
Average for the year ..	26.32	24.34	23.32	15.51	14.11	12.97

SUMMARY TABLES—*concl.*

H—Number of Livestock, Poultry and Agricultural Machinery

1	1977 2	1972 3
Cattle :		
Males over 3 years—		
Breeding bulls	1,037	1,15,348
Other males over 3 years	8,24,351	7,38,462
Females over 3 years—		
Breeding cows	6,80,727	3,37,745
Other cows over 3 years	4,709	3,55,452
Young stock	5,95,396	6,26,656
Total Cattle	21,06,220	21,73,663
Buffaloes:		
Males over 3 years—		
Breeding bulls	3,832	5,184
Other males over 3 years	8,446	7,627
Females over 3 years—		
Breeding cows	3,82,790	2,20,742
Other cows over 3 years	1,707	1,92,853
Young stock	1,63,231	1,90,009
Total Buffaloes	5,60,006	6,16,415
Total Sheep	10,55,005	10,90,322
Total Goats	10,35,337	10,59,862
Total Yaks	—	2,908
Horses and Ponies:		
Males over 3 years		
Females over 3 years	6,068	7,391
Young stock	5,814	6,265
	2,976	3,014
Total Horses and Ponies	14,858	16,670
Mules	8,216	12,679
Donkey	6,074	6,613
Camels	872	714
Pigs	5,165	9,107
Total Livestock	47,93,226	49,88,543
Poultry:		
Fowls	3,27,954	4,60,972
Ducks	1,598	198
Others	9	115
Total Poultry	3,29,561	4,61,285
Agricultural Machinery and Implements:		
Plough	5,18,240	6,23,761
Carts	2,822	3,403
Sugarcane Crushers	4,019	2,961
Tractors	397	536
Oil Engines	989	1,177
Electric Pumps	624	385
Ghanis	652	NA

TABLE

Rainfall in each District of

District	Winter 1st January to 28th February 1986						
	January		February		Total for the season		
	Current	Normal	Current	Normal	Total rainfall	Corresponding normal	No. of rainy days
1	2	3	4	5	6	7	8
Bilaspur	—	74.3	32.2	27.3	32.2	101.6	4.0
Chamba	9.5	149.0	179.5	97.0	189.3	246.0	9.0
Hamirpur	—	343.9	50.0	117.0	90.0	460.9	7.0
Kangra	0.2	65.0	112.0	67.3	112.2	132.3	7.0
Kinnaur	8.9	120.7	101.0	104.3	109.9	225.0	9.0
Kullu	NA	NA	NA	NA	NA	NA	NA
Lahaul & Spiti	—	48.7	10.0	95.7	10.0	139.4	1.0
Mandi	6.9	86.3	86.0	50.5	92.9	136.8	4.0
Shimla	6.5	116.7	50.3	61.2	56.8	177.9	6.0
Sirmour	—	87.5	71.6	34.6	71.6	122.1	3.0
Solan	1.1	73.7	68.4	74.2	69.5	147.9	5.0
Una	—	29.5	35.4	76.1	35.4	105.6	3.0
H.P. State Average	3.0	108.2	72.4	73.2	75.4	181.4	5.6

District	Monsoon 1st June to 30th September 1986										
	June		July		August		September		Total for the season		
	Cur- rent	Nor- mal	Cur- rent	Nor- mal	Cur- rent	Nor- mal	Cur- rent	Nor- mal	Total rain- fall	Corres- pond- ing nor- mal	No. of rainy days
1	18	19	20	21	22	23	24	25	26	27	28
Bilaspur	81.7	57.3	379.6	431.9	255.7	297.5	89.5	186.5	806.5	973.2	31.0
Chamba	78.4	76.3	235.5	284.3	179.0	240.9	27.2	153.5	520.1	754.0	36.0
Hamirpur	153.0	89.0	372.7	207.5	332.0	159.5	91.0	54.7	948.2	510.7	31.0
Kangra	116.0	191.1	570.7	562.0	513.6	443.9	61.2	88.7	1265.5	1285.7	37.0
Kinnaur	24.7	31.2	44.1	75.7	89.6	63.2	33.4	68.9	191.8	239.0	9.0
Kullu	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lahaul & Spiti	—	10.1	34.5	25.9	25.0	15.2	—	7.8	59.5	59.1	5.0
Mandi	269.9	127.3	509.5	498.3	447.1	411.0	119.0	191.7	1345.5	1228.3	42.0
Shimla	126.3	89.7	158.7	328.1	206.3	273.2	46.9	144.8	538.2	835.8	34.0
Sirmour	193.2	108.1	250.6	531.1	265.9	562.0	77.9	224.6	787.6	1425.8	34.0
Solan	152.0	202.0	326.6	409.6	409.8	352.2	98.2	168.4	986.6	1132.2	34.0
Una	123.0	55.5	299.6	387.6	315.5	199.3	64.7	109.9	802.8	752.3	36.0
H. P. State Average	119.9	94.3	289.2	340.2	276.3	274.4	64.6	127.1	750.0	856.0	29.9

No. 1

Himachal Pradesh (State) for the year 1986

(In millimetres)

District	Pre-Monsoon 1st March to 31st May								
	March		April		May		Total for the season		
	Current	Normal	Current	Normal	Current	Normal	Total rainfall	Corresponding normal	No. of rainy days
9	10	11	12	13	14	15	16	17	
Bilaspur	43.7	56.3	125.1	13.5	52.1	18.9	220.9	88.7	14.0
Chamba	253.1	130.1	107.6	71.5	76.5	60.5	517.2	262.1	21.0
Hamirpur	55.0	132.0	41.0	37.0	46.0	52.0	142.0	241.0	12.0
Kangra	47.1	75.7	53.4	24.3	NA	26.1	100.5	126.1	7.0
Kinnaur	166.8	103.2	133.3	70.9	113.7	66.3	413.8	240.4	29.0
Kullu	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lahaul & Spiti	82.0	74.2	113.0	34.3	37.0	37.4	252.0	145.9	16.0
Mandi	114.4	85.6	49.9	41.8	105.5	50.4	269.8	177.8	17.0
Shimla	99.6	83.2	83.3	44.2	122.2	55.3	305.1	182.9	31.0
Sirmour	47.7	39.1	23.8	11.3	49.5	25.2	121.0	75.6	11.0
Solan	74.4	64.6	31.3	29.9	38.6	4.10	194.3	135.5	12.0
Una	29.4	45.4	15.0	13.2	50.1	49.8	94.5	108.4	9.0
H.P. State Average	92.1	80.8	77.9	37.5	67.4	43.9	237.4	162.2	15.4

District	Post-Monsoon 1st October to 31st December											
	October		November		December		Total for the season			Total for the year		
	Cur- rent	Nor- mal	Cur- rent	Nor- mal	Cur- rent	Nor- mal	Total rain- fall	Corres- pond- ing normal	Number of rainy days	Total rain- fall	Corres- pond- ing Normal	Total No. of rainy days
29	30	31	32	33	34	35	36	37	38	39	40	
Bilaspur	57.8	80.9	30.4	8.9	53.3	33.1	141.5	122.9	10.0	1201.1	1286.4	59.0
Chamba	26.7	111.8	103.1	29.8	76.6	75.4	206.4	217.0	12.0	1432.7	1478.0	78.0
Hamirpur	176.0	14.0	36.0	14.0	28.0	11.5	240.0	39.5	12.0	1390.2	1251.1	62.0
Kangra	44.4	49.9	62.6	16.2	57.4	39.3	164.4	105.4	9.0	1640.6	1649.5	60.0
Kinnaur	9.2	54.3	61.2	13.6	39.0	78.9	109.4	146.8	6.0	824.9	851.2	53.0
Kullu	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lahaul & Spiti	—	—	47.5	7.3	23.0	21.3	70.5	28.6	9.0	372.0	372.9	31.0
Mandi	60.9	83.9	80.1	11.5	31.2	41.4	192.2	136.8	11.0	1900.4	1679.7	78.0
Shimla	56.1	69.1	36.7	12.3	31.5	48.8	144.3	139.2	9.0	1044.4	1326.8	70.0
Sirmour	44.7	109.1	16.7	11.6	38.7	24.7	100.1	145.4	9.0	1080.3	1768.9	57.0
Solan	61.8	8.9	33.6	22.0	57.1	28.1	152.5	59.0	9.0	1402.9	1474.6	60.0
Una	63.0	4.4	77.1	12.8	17.9	17.6	158.0	34.8	9.0	1090.7	1001.1	57.0
H.P. State Average	54.6	53.3	53.2	14.5	44.9	38.2	152.7	105.0	9.6	1215.5	1283.6	60.5

TABLE

Classification of area in each District of

District	Total geographical area		CLASSIFICATION			
	By professional survey	Reporting area for land utilisation purposes (by village papers)	Forests	Barren and unculturable land	Land put to non-agricultural uses	Culturable waste
1	2	3	4	5	6	7
Bilaspur ..	1,16,700	1,15,445	11,354	6,230	15,512	4,695
Chamba ..	6,51,500	6,92,419	2,71,006	4,298	12,596	5,326
Harnirpur ..	1,11,800	1,09,903	20,014	11,879	16,890	12,943
Kangra ..	5,73,900	5,84,971	2,44,050	51,070	85,924	48,805
Kinnaur ..	6,55,300	2,11,135	18,061	34,676	2,336	1,721
Kullu ..	5,50,300	49,681	—	4,545	2,831	3,572
Lahaul & Spiti ..	13,69,300	2,13,680	12,808	3,686	1,645	260
Mandi ..	3,95,100	3,96,320	1,57,506	12,492	10,864	3,469
Shimla ..	5,13,100	3,92,493	91,111	13,998	12,808	11,066
Sirmaur ..	2,82,600	2,24,716	48,823	7,374	9,339	12,974
Solan ..	1,93,700	1,80,321	19,627	9,976	10,824	11,842
Una ..	1,54,000	1,54,199	28,650	31,058	19,882	11,921
State Total ..	55,67,300	33,25,283	9,23,010	1,91,482	2,01,451	1,27,594

NO-II

Himachal Pradesh (State) for the year 1986-87

(In hectares)

CLASSIFICATION

Permanent pastures and other grazing lands	Land under misc. tree crops and groves not included in area sown	Current fallows	Other fallows land	Net area sown	Area sown more than once	Total cropped area
8	9	10	11	12	13	14
43,169	72	1,619	886	31,908	28,723	60,631
3,55,102	444	2,121	198	41,328	22,335	63,663
410	—	8,990	108	38,669	36,194	74,863
23,918	11	6,906	—	1,23,387	1,01,185	2,24,572
1,45,324	33	1,779	366	7,419	2,336	9,775
3	289	2,782	5	35,654	22,729	58,383
1,91,579	113	444	9	3,136	169	3,305
1,14,249	190	2,385	140	95,025	57,972	1,52,997
1,78,799	2,407	5,553	1,559	75,192	35,414	1,10,606
62,854	35,301	3,781	883	43,487	35,686	79,173
79,962	1,553	3,600	673	42,264	28,212	70,516
6,877	125	4,071	9,176	43,439	31,163	74,602
12,02,246	40,538	44,031	14,003	5,80,928	4,02,158	9,83,086

TABLE

Area of Crops irrigated in each District of

District	Rice			Food
	Autumn (Aus.)	Winter (Aman)	Summer (Boro)	Total
	2	3	4	5
Bilaspur	—	—	1,294	1,294
Chamba	—	—	2,417	2,417
Hamirpur	—	—	1,219	1,219
Kangra	—	—	25,001	25,001
Kinnaur	—	—	1	1
Kullu	—	—	1,992	1,992
Lahaul and Spiti	—	—	—	—
Mandi	—	—	10,913	10,913
Shimla	—	—	2,172	2,172
Sirmaur	—	—	3,696	3,696
Solan	—	—	3,106	3,106
Una	—	—	191	191
State Total	—	—	52,092	52,092

District	Food				
	Ragi and Marua	Italian Millets	Kodo or Varga	Little Millets or Kutki etc.	Common Gram Millets
	13	14	15	16	17
Bilaspur	—	—	—	—	61
Chamba	5	—	—	—	—
Hamirpur	—	—	—	—	355
Kangra	—	—	—	—	6
Kinnaur	39	—	—	—	104
Kullu	—	—	—	—	483
Lahaul & Spiti	—	—	—	—	—
Mandi	52	—	—	169	—
Shimla	689	—	—	1	5
Sirmaur	165	—	—	—	211
Solan	—	—	—	—	80
Una	—	—	—	—	161
State Total	950	—	—	170	1,129

NO. III-B

Himachal Pradesh (State) for the year 1946-47

(In hectare)

Crops	Jowar or Cholam							
	Wheat	Rabi		Kharif	Total	Bajra or Cumbu	Barley	Maize
	6	7	8	9	10	11	12	
2,364	—	—	—	—	—	40	1,280	
3,089	—	—	—	—	—	331	596	
1,635	—	—	—	—	—	—	463	
23,535	—	—	—	—	—	616	5,552	
492	—	—	—	—	—	1,241	372	
48	—	—	—	—	—	—	5	
361	—	—	—	—	—	839	28	
10,796	—	—	—	—	—	192	1,959	
2,307	—	—	—	—	—	422	1,074	
9,643	—	—	—	—	14	687	6,584	
5,846	—	—	—	—	1	217	3,845	
3,065	—	—	—	—	—	—	750	
63,181	—	—	—	—	15	4,605	22,509	

Crops—contd.					Condiments and Spices			
Green gram or Mung, Red gram or Tur (Arhar)	Horse gram	Maize	Sugarcane	Potatoes	Misc. food- crops Pulses etc.	Cardamom	Chillies	Ginger
19	20	21	22	23	24	25	26	27
—	1	7	17	15	212	—	2	61
—	2	1	2	66	—	—	2	1
—	—	3	23	3	68	—	—	—
218	43	56	161	741	1,879	—	56	12
—	—	—	—	153	2,579	—	—	—
1	—	—	—	10	162	—	4	—
—	—	—	—	1,095	492	—	—	—
1	10	71	4	38	656	—	16	6
—	28	7	—	218	509	32	52	—
10	47	119	425	384	1,151	—	98	710
7	15	4	151	78	1,433	—	3	190
2	2	7	65	270	324	—	4	—
239	148	275	848	3,071	9,465	32	237	980

TABLE

Area of Crops irrigated in each District of

District	Condiments and Spices— <i>conold.</i>			Total food crop	Non-Food	
	Turmeric	Others	Total		San Hemp	Ground-nut
Bilaspur ..	—	12	75	5,366	—	—
Chamba ..	—	—	3	6,867	1	—
Hamirpur ..	1	5	6	3,426	—	—
Kangra ..	4	—	72	58,068	2	1
Kinnaur ..	—	4	4	5,364	—	—
Kulu ..	—	—	4	2,222	—	—
Lahaul-Spiti ..	—	—	—	3,004	—	—
Mandi ..	53	7	82	24,780	—	1
Sirmaur ..	—	—	84	7,723	—	—
Shimla ..	2	50	860	24,026	5	24
Solan ..	—	10	203	15,000	—	57
Una ..	—	8	12	4,739	2	3
State Total ..	60	96	1,405	1,60,585	10	86

Non-food

District	Opium	Cinchona	Cotton		Total
			Desi	Americas	
Bilaspur ..	—	—	1	—	1
Chamba ..	—	—	—	—	—
Hamirpur ..	—	—	—	—	—
Kangra ..	—	—	—	—	—
Kinnaur ..	—	—	—	—	—
Kulu ..	—	—	—	—	—
Lahaul-Spiti ..	—	—	—	—	—
Mandi ..	—	—	—	—	—
Sirmaur ..	—	—	—	—	—
Shimla ..	—	—	3	—	3
Solan ..	—	—	93	—	93
Una ..	—	—	—	2	2
State Total ..	—	—	97	2	99

NO. III-B—*conold.*

Himachal Pradesh (State) for the year 1946-47

(In hectares)

Crops											
Coco-nut	Sesamum	Rape	Mustard	Linseed	Caster	Indigo	Rubber	Tobacco	Coffee	Tea	Indian Hemp
38	39	40	41	42	43	44	45	46	47	48	49
—	3	3	19	1	—	—	—	4	—	—	—
—	—	—	12	38	—	—	—	4	—	—	—
—	1	—	—	—	—	—	—	—	—	1,436	—
—	106	12	98	4,013	—	—	—	—	—	—	—
—	—	—	10	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	19	—	—	—	—	—	—	—	—
—	—	—	32	448	—	—	—	5	—	—	1
—	6	—	45	—	—	—	—	1	—	—	—
—	43	9	129	2	48	—	—	7	—	—	—
—	79	76	39	—	—	—	—	1	—	—	—
—	1	4	54	2	—	—	—	4	—	—	—
—	339	104	457	4,504	48	—	—	26	—	1,436	1

Crops—*conold.*

Other	Fodder Crops	Miscellaneous non-food crops	Total non-food crops	Total area under irrigated crops
51	56	57	58	59
—	63	—	94	5,460
—	—	—	95	6,922
—	31	—	32	3,458
—	1,552	—	7,220	65,238
—	—	—	10	5,374
—	2	—	2	2,224
—	—	—	—	3,305
—	—	282	301	25,598
—	329	—	816	7,775
—	—	—	52	25,235
—	936	3	1,209	15,576
—	203	26	376	5,070
—	259	—	331	—
—	3,377	311	10,698	1,71,283

TABLE

Sources of Water Supply and area irrigated therefrom

District	Canals			
	Government		Private (Kuhls)	
	Number	Length in kilometre	Number	Length in kilometre
1	2	3	4	5
Bilaspur	98	—	570	—
Chamba	—	—	—	—
Hamirpur	19	—	76	—
Kangra	—	—	—	—
Kinnaur	—	—	—	—
Kullu	—	—	147	333
Lahaul and Spiti	—	—	—	—
Mandi	—	—	—	—
Shimla	—	—	—	—
Sirmaur	180	115	1,806	1,441
Solan	92	125	1,041	627
Una	—	—	—	—
H.P. State Total	389	240	3,640	2,401

District	Tanks		Net area irrigated				
	With Ayacut 100 hectares or more	With Ayacut less than 100 (in hectares)	Total	No. of oil engines	Government canals	Private canals	Tanks
1	17	18	19	20	21	22	23
Bilaspur	—	16	16	41	271	—	22
Chamba	—	—	—	—	—	—	—
Hamirpur	—	—	—	—	—	—	—
Kangra	—	—	—	—	—	—	—
Kinnaur	—	—	—	—	—	—	—
Kullu	—	—	—	—	—	—	—
Lahaul & Spiti	—	—	—	—	—	—	—
Mandi	—	—	—	—	—	—	—
Shimla	—	—	—	—	—	—	—
Sirmaur	4	4	8	9	3,694	—	14
Solan	33	511	544	151	2,577	—	567
Una	—	—	—	43	—	—	—
H.P. State Total	37	531	568	244	6,542	—	603

NO. III-A

In each District of Himachal Pradesh (State) for the year 1936-37

Government	Wells							No. of wells used for domestic purposes only	No. of wells not in use	Reservoirs
	Tubewells		No. of other wells used for irrigation purposes only							
	Private	Total	Govt.		Private		Total			
			Masonry	Non-Masonry	Masonry	Non-Masonry				
6	7	8	9	10	11	12	13	14	15	16
13	167	180	53	—	—	—	53	132	123	59
47	10	57	—	—	—	22	22	1,604	—	—
—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	32	16	—
71	13	84	—	—	—	—	—	—	—	—
29	114	143	—	—	—	—	—	45	51	—
66	155	221	19	—	165	126	310	169	361	—
120	604	724	—	—	676	19	695	885	68	52
346	1,063	1,409	72	—	841	167	1,080	2,867	619	111

Wells and Tubewells etc.	Other sources Kuhls etc.	Total	Percentage of net area irrigated to net area sown	Area irrigated more than once in the same year (in hectares)	Total gross area of crops irrigated (in hectares)	% of total irrigated area to total sown area	No. of wells having independent Ayacuts	No. of wells supplementary recognised sources of irrigation	Percentage of area irrigated by independent Ayacuts to the total area irrigated
964	1,052	2,909	9.11%	2,551	5,460	9%	—	—	—
—	3,590	3,590	8.7%	3,332	6,922	10.9%	—	—	—
52	1,729	1,781	4.6%	1,677	3,458	4.6%	—	—	—
184	32,327	32,511	26.3%	32,777	65,288	29%	—	—	—
—	3,435	3,435	46.2%	1,939	5,374	55%	—	—	—
—	2,224	2,224	6.2%	—	2,224	3.8%	—	—	—
—	3,105	3,105	100%	200	3,305	10.0%	—	—	—
176	13,214	13,390	14.1%	12,206	25,596	16.7%	—	—	—
—	4,875	4,875	6.5%	2,900	7,775	7%	—	—	—
1,801	8,057	13,566	31.2%	11,669	25,235	31.9%	—	—	—
967	6,045	10,156	24%	5,420	15,576	22.1%	—	—	—
—	3,874	3,874	9%	1,196	5,070	6.8%	—	—	—
3,744	84,527	95,416	16.4%	75,867	1,71,283	17.4%	—	—	—

TABLE

Area under Food Crops in each District of

District	Cereals					
	Rice					
	Autumn (Aus)		Winter (Arman)		Summer (Boro)	
	Current	Normal	Current	Normal	Current	Normal
1	2	3	4	5	6	7
Bilaspur ..	—	—	—	—	3,419	3,565
Chamba ..	—	—	—	—	3,102	3,214
Hamirpur ..	—	—	—	—	4,069	4,949
Kangra ..	—	—	—	—	40,599	36,400
Kinnaur ..	—	—	—	—	30	22
Kullu ..	—	—	—	—	2,838	3,027
Lahaul-Spiti ..	—	—	—	—	—	—
Mandi ..	—	—	—	—	25,067	25,272
Shimla ..	—	—	—	—	4,436	5,170
Sirmaur ..	—	—	—	—	5,161	4,692
Solan ..	—	—	—	—	5,376	4,304
Una ..	—	—	—	—	1,856	2,002
State Total ..	—	—	—	—	95,944	92,617

District	Cereals					
	Bajra or Cumbu		Barley		Maize	
	Current	Normal	Current	Normal	Current	Normal
	18	19	20	21	22	23
1	18	19	20	21	22	23
Bilaspur ..	—	—	531	452	25,682	24,234
Chamba ..	—	—	5,830	5,230	25,754	26,644
Hamirpur ..	10	—	207	217	31,839	30,282
Kangra ..	—	8	3,839	3,556	60,448	55,068
Kinnaur ..	—	—	1,665	1,923	541	490
Kullu ..	—	—	4,258	4,570	16,405	15,058
Lahaul-Spiti ..	—	—	859	979	28	31
Mandi ..	—	—	4,672	5,250	40,002	41,285
Shimla ..	6	20	6,418	7,358	21,910	22,124
Sirmaur ..	42	23	2,862	3,160	25,830	25,764
Solan ..	5	—	1,771	1,631	25,444	24,350
Una ..	—	—	30	13	29,523	28,529
State Total ..	63	51	32,942	34,339	1,03,426	2,93,859

NO. V-A

Himachal Pradesh (State) in 1986-87

(In hectares)

District	Cereals									
	Total		Wheat		Jowar or Cholam					
	Total		Wheat		Rabi		Kharif		Total	
	Current	Normal	Current	Normal	Current	Normal	Current	Normal	Current	Normal
8	9	10	11	12	13	14	15	16	17	
Bilaspur ..	3,410	3,565	26,054	26,033	—	—	—	—	—	—
Chamba ..	3,102	3,214	18,692	18,034	—	—	—	—	—	—
Hamirpur ..	4,069	4,949	36,044	35,921	—	—	—	—	—	—
Kangra ..	40,599	36,400	90,200	82,487	—	19	—	—	—	19
Kinnaur ..	30	22	1,109	1,225	—	—	—	—	—	—
Kullu ..	2,838	3,027	18,119	19,385	—	—	—	—	—	—
Lahaul-Spiti ..	—	—	361	373	—	—	—	—	—	—
Mandi ..	25,067	25,272	60,782	65,644	—	—	—	—	—	—
Shimla ..	4,436	5,170	34,148	33,418	—	—	—	—	—	—
Sirmaur ..	5,161	4,692	29,794	29,805	—	—	2	—	3	—
Solan ..	5,376	4,304	22,543	22,949	—	—	214	332	214	332
Una ..	1,856	2,002	34,038	33,557	—	—	—	—	—	—
State Total ..	95,944	92,617	3,71,884	3,68,831	—	19	216	332	216	351

als—cont.

District	Cereals									
	Ragi or Marua		Italian millets		Kodo or Varagu		Common millet		Common and Little Millets	
	Current	Normal	Current	Normal	Current	Normal	Current	Normal	Current	Normal
	24	25	26	27	28	29	30	31	32	33
Bilaspur ..	—	5	—	—	3	—	—	—	—	—
Chamba ..	245	217	—	—	—	—	—	—	2,406	2,480
Hamirpur ..	28	40	—	—	—	—	—	—	—	—
Kangra ..	—	3	—	—	—	—	—	—	—	236
Kinnaur ..	190	215	—	—	—	—	—	—	3,571	4,151
Kullu ..	—	—	—	—	—	—	—	—	3,150	3,783
Lahaul-Spiti ..	—	—	—	—	—	—	—	—	169	243
Mandi ..	3,212	3,605	—	—	—	—	—	—	1,357	1,643
Shimla ..	3,591	3,305	—	—	—	—	—	—	6,693	8,477
Sirmaur ..	736	852	—	—	—	—	—	—	675	745
Solan ..	—	—	—	—	—	—	—	—	1	4
Una ..	—	—	—	—	—	—	—	—	—	—
State Total ..	8,002	8,262	—	—	3	—	—	—	18,022	21,762

TABLE

Area under Food Crops in each District of

District	Cereals—conold.						Total Cereals	
	Other Cereals				Total		Current 40	Normal 41
	Kharif		Rabi		Current 38	Normal 39		
	Current 34	Normal 35	Current 36	Normal 37				
1								
Bilaspur	—	—	—	—	—	—	55,680	54,289
Chamba	—	—	—	—	—	—	56,029	55,839
Hamirpur	—	—	—	—	—	—	72,207	71,409
Kangra	586	—	—	—	586	—	1,95,682	1,77,777
Kinnaur	—	—	—	—	—	—	7,106	8,026
Kullu	—	—	—	—	—	—	44,770	45,423
Lahaul-Spiti	—	—	—	—	—	—	1,417	1,626
Mandi	—	—	—	—	—	—	1,35,092	1,42,699
Shimla	—	—	—	—	—	—	77,202	79,872
Sirmaur	—	—	23	—	23	—	65,125	65,041
Solan	—	—	—	—	—	—	55,354	53,570
Una	—	—	—	—	—	—	65,447	64,101
State Total	586	—	23	—	609	—	8,31,111	8,20,072

NO. IV-A—contd.

Himachal Pradesh (State) in 1936-37—contd.

(In hectares)

Pulses							
Gram		Green Gram or Mung		Red Gram or Tur (Arhar)		Black Gram or Urd (Mash)	
Current 42	Normal 43	Current 44	Normal 45	Current 46	Normal 47	Current 48	Normal 49
1,265	872	2	3	—	10	874	1,306
2	2	134	23	1	—	2,660	2,871
165	403	—	4	—	1	879	1,403
1,529	432	—	7	—	—	3,726	3,986
—	—	—	7	—	42	56	21
79	15	2	11	737	—	1,857	2,071
—	—	—	—	—	—	—	—
191	151	4	6	4	6	2,280	2,803
37	20	8	2	—	—	2,665	2,706
798	622	—	5	12	10	1,329	1,680
4,139	2,274	—	1	290	190	1,931	2,366
1,148	1,025	50	57	2	24	1,296	1,367
9,353	5,816	200	126	1,046	283	19,553	22,580

Pulses—conold.

Pulses					
Rabi				Total	
Current 56	Normal 57	Current 58	Normal 59	Current 60	Normal 61
250	171	371	302	3,018	3,069
—	—	541	168	3,479	3,536
—	—	11	13	1,901	2,879
62	150	400	1,343	7,580	7,316
98	112	496	386	557	457
588	211	1,041	845	4,046	3,107
439	158	469	160	469	160
26	135	1,004	1,342	5,671	6,018
11	47	647	717	4,776	4,749
854	502	1,026	665	4,370	4,148
850	719	1,098	1,161	8,458	7,229
11	8	111	81	3,074	2,988
3,209	2,213	7,215	7,183	47,399	45,656

District	Pulses					
	Horse Gram		Masur		Other	
	Kharif		Current 52	Normal 53	Current 54	Normal 55
	Current 50	Normal 51				
1						
Bilaspur	468	543	38	33	121	131
Chamba	—	350	141	122	541	168
Hamirpur	747	997	99	58	11	13
Kangra	1,177	1,211	748	377	538	1,193
Kinnaur	1	1	4	—	398	274
Kullu	139	123	191	40	453	634
Lahaul-Spiti	—	—	—	—	10	2
Mandi	1,026	1,085	1,162	625	978	1,207
Shimla	1,167	1,148	282	856	636	670
Sirmaur	620	674	585	492	172	163
Solan	871	1,069	129	168	243	442
Una	342	141	125	93	100	73
State Total	6,558	7,544	3,474	2,124	4,006	4,970

TABLE NO.

Area under Food Crops in each District of

District	Total Foodgrains	
	Current 62	Normal 63
Bilaspur	58,698	57,358
Chamba	39,508	59,375
Hamirpur	74,108	74,288
Kangra	2,03,262	1,85,093
Kinnaur	7,663	8,483
Kullu	48,816	48,930
Lahaul-Spiti	1,886	1,786
Mandi	1,40,763	1,48,717
Shimla	81,978	84,621
Sirmaur	69,495	69,189
Solan	63,812	60,799
Una	68,521	67,089
State Total	8,78,510	8,65,728

Fruits

District	Banana		Citrus fruits	
	Current 70	Normal 71	Current 72	Normal 73
Bilaspur	—	132	—	—
Chamba	—	—	—	—
Hamirpur	—	—	—	—
Kangra	—	—	—	414
Kinnaur	—	—	—	—
Kullu	—	—	6	—
Lahaul-Spiti	—	—	—	—
Mandi	—	—	83	38
Shimla	—	—	—	—
Sirmaur	4	4	38	34
Solan	—	—	—	—
Una	—	—	—	—
State Total	4	136	147	536

V-A—contd.

Himachal Pradesh (State) in 1986-87—contd.

(In hectares)

Fresh Fruits					
Sugarcane		Apples		Grapes	
Current 64	Normal 65	Current 66	Normal 67	Current 68	Normal 69
87	145	—	—	—	—
2	1	871	435	—	—
238	325	—	—	—	—
161	270	—	—	—	—
—	—	1,090	778	18	11
—	—	4,613	4,049	—	—
—	—	12	6	—	—
15	27	1,529	1,842	—	—
—	—	16,373	13,591	—	—
902	1,008	747	749	—	—
324	334	6	4	—	—
1,002	1,081	—	—	—	—
2,731	3,191	25,241	21,454	18	11

contd.

Mangoes		Peaches and Pears		Other fresh fruits	
Current 74	Normal 75	Current 76	Normal 77	Current 78	Normal 79
—	—	—	—	236	54
—	—	—	—	8	477
11	13	—	—	12	1
3,545	1,528	—	—	—	1,035
—	—	—	—	136	51
—	—	11	—	769	350
—	—	—	—	—	—
—	51	—	—	3,951	2,692
—	—	—	—	105	75
176	97	250	147	239	93
23	16	—	—	841	704
71	44	—	—	137	66
3,826	1,751	261	147	6,434	5,398

TABLE NO.

Area under Food Crops in each District of

Fruits—

District	Dry Fruit					
	Total fresh fruits		Cashew Nuts		Other dry fruits	
	Current 80	Normal 81	Current 82	Normal 83	Current 84	Normal 85
Bilaspur ..	236	186	—	—	—	—
Chamba ..	879	912	—	—	—	—
Hamirpur ..	23	14	—	—	—	—
Kangra ..	3,545	2,977	—	—	—	—
Kinnaur ..	1,244	840	—	—	349	340
Kullu ..	5,399	4,399	—	—	—	—
Lahaul-Spiti ..	12	6	—	—	—	—
Maandi ..	5,563	4,625	—	—	—	—
Shimla ..	16,478	13,666	—	—	—	—
Sirmaur ..	1,474	1,174	—	—	12	10
Solan ..	870	724	—	—	—	—
Una ..	208	110	—	—	—	—
State Total ..	35,911	29,633	—	—	361	350

Vegetables—

other Vegetables

District	Sweet Potatoes		Onion		Winter		Summer		Total other Vegetables	
	Current	Normal	Current	Normal	Current	Normal	Current	Normal	Current	Normal
	94	95	96	97	98	99	100	101	102	103
Bilaspur ..	—	—	75	79	153	58	10	79	163	137
Chamba ..	—	—	22	39	35	25	23	165	58	188
Hamirpur ..	—	—	47	50	13	37	104	86	117	123
Kangra ..	—	—	271	275	276	184	269	321	545	505
Kinnaur ..	—	—	—	—	—	21	108	51	108	72
Kullu ..	—	—	33	14	340	396	981	233	1,321	629
Lahaul-Spiti ..	—	—	—	—	—	—	11	72	11	72
Maandi ..	—	—	107	97	1,558	653	794	670	2,352	1,323
Shimla ..	—	—	13	6	1,584	1,344	1,407	888	2,991	2,232
Sirmaur ..	—	—	52	39	628	427	118	127	746	554
Solan ..	—	—	11	15	172	210	1,303	1,133	1,475	1,343
Una ..	2	—	82	34	197	167	109	215	306	382
State Total ..	2	—	713	648	4,956	3,522	5,237	4,038	10,193	75,60

IV-A—contd.

Himachal Pradesh (State) in 1986-87—contd.

(In hectares)

contd.

District	Total dry Fruits		Total Fruits (fresh & dry)		Potatoes		Vegetables Tapioca	
	Current	Normal	Current	Normal	Current	Normal	Current	Normal
	86	87	88	89	90	91	92	93
Bilaspur ..	—	—	236	186	27	22	—	—
Chamba ..	—	—	879	912	419	440	—	—
Hamirpur ..	—	—	23	14	7	7	—	—
Kangra ..	—	—	3,545	2,977	872	805	—	—
Kinnaur ..	349	340	1,593	1,180	372	460	—	—
Kullu ..	—	—	5,399	4,399	1,148	919	—	—
Lahaul-Spiti ..	—	—	12	6	1,095	1,173	—	—
Maandi ..	—	—	5,563	4,625	1,773	2,039	—	—
Shimla ..	—	—	16,478	13,666	8,125	7,080	—	—
Sirmaur ..	12	10	1,486	1,184	1,135	908	—	—
Solan ..	—	—	870	724	135	167	—	—
Una ..	—	—	208	110	321	169	—	—
State Total ..	361	350	36,292	29,983	15,429	14,169	—	—

contd.

District	Total Vegetable		Total Fruits and Vegetables		Other Misc. Food Crops		Betel nuts	
	Current	Normal	Current	Normal	Current	Normal	Current	Normal
	104	105	106	107	108	109	110	111
Bilaspur ..	265	238	501	424	—	—	—	—
Chamba ..	499	667	1,378	1,579	—	—	—	—
Hamirpur ..	171	180	394	194	—	—	—	—
Kangra ..	1,688	1,585	5,233	4,562	—	—	—	—
Kinnaur ..	480	532	2,073	1,712	—	—	—	—
Kullu ..	2,502	1,562	7,901	5,961	—	—	—	—
Lahaul-Spiti ..	1,106	1,245	1,118	1,251	—	—	—	—
Maandi ..	4,232	3,479	9,795	8,104	—	—	—	—
Shimla ..	11,129	9,278	27,607	22,944	—	—	—	—
Sirmaur ..	1,933	1,501	3,419	2,685	—	—	—	—
Solan ..	1,621	1,525	2,491	2,249	—	—	—	—
Una ..	711	585	919	695	—	—	—	—
State Total ..	26,337	22,377	62,629	52,360	—	—	—	—

TABLE NO.

Area under Food Crops in each District of

District	Condiments			
	Cardamoms		Chillies	
	Current 112	Normal 113	Current 114	Normal 115
Bilaspur	—	—	14	11
Chamba	—	—	30	36
Hamirpur	—	—	4	1
Kangra	—	—	65	74
Kinnaur	—	—	—	—
Kullu	—	—	124	119
Lahaul-Spiti	—	—	—	—
Mandi	—	—	149	131
Shimla	—	—	155	200
Sirmaur	—	—	337	260
Solan	—	—	6	7
Una	—	—	20	10
State Total	—	—	904	849

TABLE NO.

Area under Non-food Crops in each District

District	NON-FOOD			
	FIB-			
	Cotton			
	Desi		American	
Current	Normal	Current	Normal	
1	2	3	4	5
Bilaspur	34	28	—	15
Chamba	—	—	—	—
Hamirpur	4	15	—	—
Kangra	—	57	35	91
Kinnaur	—	—	—	—
Kullu	—	—	—	—
Lahaul-Spiti	—	—	—	—
Mandi	—	3	—	—
Shimla	—	—	—	—
Sirmaur	10	29	—	—
Solan	124	168	—	—
Una	31	72	23	39
State Total	203	372	58	145

IV-A—concl.

Himachal Pradesh (State) in 1986-87—concl.

(In hectares)

Ginger		Pepper		Turmeric		Other condiments and spices		Total condiments and spices		Total Food Crops	
Current	Normal	Current	Normal	Current	Normal	Current	Normal	Current	Normal	Current	Normal
116	117	118	119	120	121	122	123	124	125	126	127
102	74	—	—	16	13	26	21	158	119	59,444	58,046
—	2	—	—	19	21	—	25	31	61	60,919	61,016
13	14	—	—	—	13	8	4	31	28	74,571	74,835
—	—	1	—	—	—	7	8	85	109	2,08,741	1,90,034
—	—	—	—	—	—	6	2	6	2	9,742	10,197
13	5	—	—	—	—	95	45	220	164	56,937	55,055
186	104	—	—	35	3	14	18	231	157	3,004	3,037
1,728	1,500	—	—	—	2	99	51	440	357	1,50,804	1,57,005
319	261	—	—	3	3	186	140	2,254	1,903	1,10,025	1,07,922
—	—	—	—	—	—	14	6	339	274	76,070	74,785
—	—	—	—	5	3	18	5	43	18	66,966	63,656
2,362	1,960	1	—	98	58	473	325	3,838	3,192	9,47,708	9,24,471

IV-B

of Himachal Pradesh (State) in 1986-87

(In hectares)

CROPS		RES					
Total		Jute		San Hemp		Other fibers	
Current	Normal	Current	Normal	Current	Normal	Current	Normal
6	7	8	9	10	11	12	13
34	43	—	—	6	6	—	—
4	15	—	—	1	—	—	—
35	148	—	—	68	80	—	—
—	—	—	—	83	82	—	—
—	3	—	—	—	—	—	—
10	29	—	—	—	—	—	—
124	168	—	—	7	38	—	—
54	111	—	—	1	6	—	—
261	317	—	—	148	52	—	—
				314	266	—	—

TABLE NO.

Area under Non-food Crops in each District of

District	Oil					
	Fibres— <i>conold.</i>				Edi-	
	Total fibres		Groundnut		Coconut	
	Current	Normal	Current	Normal	Current	Normal
1	14	15	16	17	18	19
Bilaspur ..	40	49	7	22	—	—
Chamba ..	1	—	—	—	—	—
Hampur ..	4	17	—	—	—	—
Kangra ..	103	228	4	5	—	—
Kinnaur ..	—	—	—	—	—	—
Kullu ..	83	82	—	1	—	—
Lahaul-Spiti ..	—	—	—	—	—	—
Mandi ..	—	3	7	9	—	—
Shimla ..	—	—	5	5	—	—
Sirmaur ..	17	67	63	67	—	—
Solan ..	125	174	939	994	—	—
Una ..	202	163	15	33	—	—
State Total ..	575	783	1,040	1,136	—	—

Edible—*conold.*

District	Total edible oil seeds				Linseed	
	Current		Normal		Current	Normal
	28	29	30	31	30	31
1						
Bilaspur ..	992	1,129	3	7	—	—
Chamba ..	2,621	2,779	63	68	—	—
Hampur ..	151	270	5	2	—	—
Kangra ..	6,114	5,290	4,414	4,473	—	—
Kinnaur ..	20	45	—	—	—	—
Kullu ..	1,302	540	1	—	—	—
Lahaul-Spiti ..	19	13	—	—	—	—
Mandi ..	411	504	545	555	—	—
Shimla ..	571	489	—	—	—	—
Sirmaur ..	1,062	1,388	2	5	—	—
Solan ..	2,435	2,213	—	5	—	—
Una ..	1,883	1,672	26	18	—	—
State Total ..	17,581	16,332	5,059	5,133	—	—

IV-B—*contd.*Himachal Pradesh (State) in 1986-87—*contd.*

(In hectares)

District	seeds							
	oil				Others including Sa- flower seed Sunflower etc.			
	Sesamum		Rape		Mustard			
Current	Normal	Current	Normal	Current	Normal	Current	Normal	
20	21	22	23	24	25	26	27	
Bilaspur ..	357	509	—	164	380	325	248	109
Chamba ..	80	85	—	—	2,541	2,694	—	—
Hampur ..	107	229	23	3	21	36	—	2
Kangra ..	4,869	4,414	131	135	1,110	736	—	—
Kinnaur ..	—	—	—	10	20	12	—	23
Kullu ..	1	7	58	4	1,243	525	—	3
Lahaul-Spiti ..	—	—	—	—	19	13	—	—
Mandi ..	84	101	—	3	320	382	—	9
Shimla ..	59	83	—	—	504	397	3	4
Sirmaur ..	354	472	25	43	620	558	—	248
Solan ..	435	462	202	44	335	247	524	466
Una ..	138	1,045	4	38	548	351	478	205
State Total ..	7,184	7,407	443	444	7,661	6,276	1,253	1,069

Non-edible

District	Non-edible							
	Castor		Others including dill or sowa mast-wood, neerali and niger-seed		Total non-edible oil seeds		Total oil seeds	
	Current	Normal	Current	Normal	Current	Normal	Current	Normal
32	33	34	35	36	37	38	39	
Bilaspur ..	—	—	—	—	3	7	995	1,136
Chamba ..	—	—	—	—	63	68	2,684	2,847
Hampur ..	—	—	—	—	5	2	156	272
Kangra ..	—	—	—	—	4,414	4,473	10,528	9,763
Kinnaur ..	—	—	—	—	—	—	20	45
Kullu ..	—	—	—	—	1	—	1,303	540
Lahaul-Spiti ..	—	—	—	—	—	—	19	13
Mandi ..	—	—	—	—	545	555	956	1,059
Shimla ..	—	—	—	—	—	—	571	489
Sirmaur ..	268	157	—	—	270	162	1,332	1,550
Solan ..	—	—	—	—	—	5	2,435	2,218
Una ..	—	—	1	—	27	18	1,910	1,690
State Total ..	268	157	1	—	5,328	5,290	22,909	21,622

TABLE NO.

Area under Non-food Crops in each District of

Dyes and Tanning Materials

District	Indigo		Other Dyes and Tanning Materials		Total Dyes and Tanning Materials	
	Current	Normal	Current	Normal	Current	Normal
	40	41	42	43	44	45
Bilaspur	—	—	—	—	—	—
Chamba	—	—	—	—	—	—
Hamirpur	—	—	—	—	—	—
Kangra	—	—	—	—	—	—
Kinnaur	—	—	—	—	—	—
Kullu	—	—	—	—	—	—
Lahaul-Spiti	—	—	—	—	—	—
Mandi	—	—	—	—	—	—
Shimla	—	—	—	—	—	—
Sirmaur	—	—	—	—	—	—
Solan	—	—	—	—	—	—
Una	—	—	—	—	—	—
State Total	—	—	—	—	—	—

Drugs and Narcotics

District	Indian Hemp		Opium		Cinchona		Other Drugs and Narcotics	
	Current	Normal	Current	Normal	Current	Normal	Current	Normal
	54	55	56	57	58	59	60	61
Bilaspur	—	—	—	—	—	—	—	—
Chamba	—	—	—	—	—	—	—	—
Hamirpur	—	—	—	—	—	—	—	—
Kangra	—	—	—	—	—	—	—	—
Kinnaur	—	—	—	—	—	—	13	4
Kullu	—	—	—	—	—	—	—	—
Lahaul-Spiti	—	—	—	—	—	—	282	74
Mandi	152	—	—	—	—	—	—	—
Shimla	—	—	—	—	—	—	5	3
Sirmaur	—	—	—	—	—	—	—	—
Solan	—	—	—	—	—	—	25	13
Una	—	—	—	—	—	—	—	—
State Total	152	—	—	—	—	—	325	94

IV-B—*concl'd.*Himachal Pradesh (State) in 1956-57—*concl'd.*

(In hectares)

Drugs and Narcotics

Rubber		Tobacco		Coffee		Tea	
Current	Normal	Current	Normal	Current	Normal	Current	Normal
46	47	48	49	50	51	52	53
—	—	11	17	—	—	—	—
—	—	59	71	—	—	—	—
—	—	1	2	—	—	—	—
—	—	1	8	—	—	2,751	2,481
—	—	—	—	—	—	—	—
—	—	42	50	—	—	—	—
—	—	—	—	—	—	—	—
—	—	30	31	—	—	481	507
—	—	1	5	—	—	—	—
—	—	13	36	—	—	—	—
—	—	1	8	—	—	—	—
—	—	8	5	—	—	—	—
—	—	167	233	—	—	3,232	2,988

—*concl'd.*

Other Misc.

Total Drugs and Narcotics		Fodder crops		Non-food crops		Total Non-food crops	
Current	Normal	Current	Normal	Current	Normal	Current	Normal
62	63	64	65	66	67	68	69
11	17	141	154	—	—	1,187	1,356
59	71	—	8	—	—	2,744	2,926
1	2	131	78	—	—	292	369
2,752	2,489	2,448	2,461	—	—	5,831	14,941
13	4	—	—	—	—	33	49
42	50	18	31	—	—	1,446	703
282	74	—	—	—	—	301	87
663	538	571	666	3	—	2,193	2,266
6	8	—	—	4	—	581	487
13	36	1,736	1,444	5	—	3,103	3,097
26	21	964	991	—	—	3,550	3,404
8	5	1,997	2,017	—	—	4,117	3,875
3,876	3,315	8,006	7,850	12	—	35,378	33,570

TABLE

Standard yield per hectare and yield per hectare in 1946-47 of the Principal

Food

Rice

District	Autumn (Aas)			Winter (Aman)			Summer (Boro)			
	Stan- dard	Con- dition factor	Cur- rent	Stan- dard	Con- dition factor	Cur- rent	Stan- dard	Con- dition factor	Cur- rent	
	1	2	3	4	5	6	7	8	9	10
Bilaspur										838
Chamba										1,410
Hemchur										746
Kangra										905
Kinnaur										1,100
Kulu										1,055
Lahaul-Spiti										
Mandi										1,341
Shimla										1,325
Sirmaur										1,844
Solan										1,085
Una										629
State Average										1,100

Food

Barley

Maize

District	Barley			Maize		
	Standard	Condi- tion factor	Current	Standard	Condition factor	Current
	23	24	25	26	27	28
Bilaspur			1,877			1,701
Chamba			1,045			2,119
Hemchur			1,877			1,511
Kangra			1,227			1,461
Kinnaur			2,073			1,855
Kulu			1,332			2,525
Lahaul-Spiti						1,855
Mandi			1,103			2,150
Shimla			624			2,539
Sirmaur			676			1,904
Solan			1,042			1,739
Una			1,877			1,689
State Average			1,077			1,855

NO. V.A.

Crops in each District of Himachal Pradesh (State)

(In kg. per hectare)

Crops

Jowar or Cholam

Stan- dard	Con- dition factor	Current	Jowar or Cholam										
			Wheat			Rabi			Kharif			Bajra or Cumbu	
			Stan- dard	Con- dition factor	Cur- rent	Stan- dard	Con- dition factor	Cur- rent	Stan- dard	Con- dition factor	Cur- rent	Stan- dard	Con- dition factor
11	12	13	14	15	16	17	18	19	20	21	22		
		995											
		1,145											
		1,071											
		1,427											
		964											
		1,554											
		1,216											
		835											
		1,389								507		507	
		1,247						507		507		507	
		1,119											
		1,213						507		507	530	472	

Cereals

Bajra or Sorghum

Jowar or Millets

Kodo or Varagu

Common Millets

Stan- dard	Con- dition factor	Cur- rent	Cereals										
			Bajra or Sorghum			Jowar or Millets			Kodo or Varagu			Common Millets	
			Stan- dard	Con- dition factor	Cur- rent	Stan- dard	Con- dition factor	Cur- rent	Stan- dard	Con- dition factor	Cur- rent	Stan- dard	Con- dition factor
30	31	32	33	34	35	36	37	38	39	40			
		664											
		506											
		664									253	1,233	
		63											
		1,400										2,654	
											523	3,375	
		987											
		345									1,016	1,406	
		564									462	120	
											507	1,507	
		302									582	845	

TABLE

Standard yield per acres and yield per hectares in 1986-87 of the

District	Food					
	Grain			Green Grain or Moong		
	Standard	Condition factor	Current	Standard	Condition factor	Current
1	41	42	43	44	45	46
Bilaspur	818	—	318	400	—	—
Chamba	479	—	479	—	—	—
Hamirpur	350	—	75	—	—	—
Kangra	—	—	—	—	—	—
Kinnow	—	—	—	—	—	—
Kulu	—	—	—	—	—	—
Lahaul-Spiti	—	—	—	—	—	—
Mandi	—	—	—	—	—	—
Shimla	319	—	318	323	—	323
Sirmour	812	—	366	277	—	277
Solan	393	—	393	—	—	—
Una	877	—	293	400	—	220
State Average	584	—	466	330	—	272

District	Food								
	Sugarcane			Potatoes			Cardamom		
	Standard	Condition factor	Current	Standard	Condition factor	Current	Standard	Condition factor	Current
1	59	60	61	62	63	64	65	66	67
Bilaspur	1,500	—	1,970	4,090	—	1,800	500	—	500
Chamba	—	—	—	1,259	—	1,259	—	—	—
Hamirpur	1,625	—	1,300	1,508	—	450	—	—	—
Kangra	1,159	—	1,159	1,523	—	1,523	—	—	—
Kinnow	—	—	—	—	—	8,120	—	—	—
Kulu	—	—	—	3,875	—	3,875	—	—	—
Lahaul-Spiti	—	—	—	—	—	—	—	—	—
Mandi	1,883	—	—	3,644	—	—	—	—	—
Shimla	—	—	—	3,041	—	2,016	—	—	—
Sirmour	1,576	—	993	2,656	—	914	—	—	—
Solan	1,227	—	1,227	5,743	—	5,743	—	—	—
Una	2,000	—	823	6,300	—	713	—	—	—
State Average	1,567	—	1,083	3,579	—	3,641	500	—	500

NO. V.A—contd.

Principal Crops in each District of Himachal Pradesh (State)—contd. (in kg. per hectare)

Crops—contd.												
Red Gram or Tur (Arhar)			Black Gram or Urad (Masik)			Horse Gram (Kudh)			Maize			
Standard	Condition factor	Current	Standard	Condition factor	Current	Standard	Condition factor	Current	Standard	Condition factor	Current	
47	48	49	50	51	52	53	54	55	56	57	58	
—	—	—	260	—	56	260	—	60	1,019	—	283	
—	—	—	—	—	—	—	—	77	184	—	184	
—	—	—	350	—	77	350	—	—	300	—	—	
—	—	—	—	—	—	—	—	—	540	—	—	
—	—	—	—	—	—	—	—	—	—	—	—	
—	—	—	300	—	—	300	—	—	325	—	—	
—	—	—	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	—	—	
—	—	—	323	—	220	323	—	203	230	—	203	
—	—	—	—	—	—	—	—	—	277	—	277	
—	—	—	28	369	—	140	369	—	103	—	617	
—	—	—	—	—	—	—	—	—	511	—	511	
—	—	—	524	—	511	524	—	146	400	—	—	
—	—	—	400	—	158	400	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	183	—	389	
—	—	—	28	361	—	194	361	—	—	—	219	

Crops—contd.										
Chilies			Turmeric			Pepper			Other condiments & spices	
Standard	Condition factor	Current	Standard	Condition factor	Current	Standard	Condition factor	Current	Standard	Condition factor
68	69	70	71	72	73	74	75	76	77	78
—	—	—	—	—	225	—	—	—	—	—
—	—	171	400	—	—	—	—	—	—	—
—	—	228	—	—	—	—	—	—	—	—
—	—	75	300	—	225	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	300	—
—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—
—	—	150	—	—	—	—	—	—	—	—
—	—	161	—	—	—	—	—	—	—	—
—	—	290	—	—	—	—	—	—	—	—
—	—	300	600	—	600	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—
—	—	174	433	—	350	—	—	—	—	—

TABLE NO.

Total Output of Principal Crops in each District

District	Food					
	Rice					
	Autumn (Aus)		Winter (Amam)		Summer (Boro)	
	Current	Normal	Current	Normal	Current	Normal
1	2	3	4	5	6	7
Bilaspur	—	—	—	—	2,516	1,880
Chamba	—	—	—	—	4,575	4,054
Hamirpur	—	—	—	—	3,034	4,153
Kangra	—	—	—	—	40,418	42,160
Kinnaur	—	—	—	—	33	29
Kullu	—	—	—	—	2,969	3,847
Lahaul-Spiti	—	—	—	—	—	—
Mandi	—	—	—	—	28,608	25,340
Shimla	—	—	—	—	5,833	5,529
Sirmaur	—	—	—	—	10,032	5,006
Solan	—	—	—	—	5,834	3,934
Una	—	—	—	—	1,539	1,547
State Total	—	—	—	—	1,05,551	1,00,529

District	Food							
	Cereals							
	Bajra or Cerata		Barley		Maize		Ragi or Masha	
	Current	Normal	Current	Normal	Current	Normal	Current	Normal
1	18	19	20	21	22	23	24	25
Bilaspur	—	—	572	491	43,813	36,452	—	—
Chamba	—	—	4,090	5,408	54,560	44,344	69	176
Hamirpur	—	—	223	234	48,361	46,622	2	5
Kangra	5	—	4,709	3,231	88,301	90,779	—	—
Kinnaur	—	—	3,451	3,770	1,004	840	156	168
Kullu	—	—	5,246	6,366	41,426	32,846	—	—
Lahaul-Spiti	—	—	826	658	61	25	—	—
Mandi	—	—	5,853	3,433	96,019	77,919	1,973	2,675
Shimla	—	—	5,290	8,968	56,057	38,749	1,647	2,611
Sirmaur	18	—	1,034	3,079	49,291	56,762	344	432
Solan	2	—	1,846	1,038	44,237	44,342	—	—
Una	—	—	32	15	49,868	38,496	—	—
State Total	25	—	35,374	36,691	5,62,990	5,07,976	4,193	6,067

V.B.

of Himachal Pradesh (State in 1986-87)

(In metric tonnes)

Crops	Lower or Chokam									
	Total		Wheat		Rabi		Kharif		Total	
	Current	Normal	Current	Normal	Current	Normal	Current	Normal	Current	Normal
	8	9	10	11	12	13	14	15	16	17
	2,856	2,880	23,923	24,589	—	—	—	—	—	—
	4,373	4,054	21,372	19,254	—	—	—	—	—	—
	3,834	4,153	38,591	26,940	—	—	—	—	—	—
	40,418	42,160	1,28,718	89,830	—	—	—	—	—	—
	33	25	1,069	1,061	—	—	—	—	—	—
	2,989	3,847	28,231	28,219	—	—	—	—	—	—
	—	—	645	480	—	—	—	—	—	—
	35,608	25,40	73,934	73,317	—	—	—	—	—	—
	5,835	5,529	28,513	33,067	—	—	—	—	—	—
	80,032	5,006	38,404	34,307	—	—	—	—	—	—
	5,834	3,934	28,110	21,729	—	—	3	—	3	—
	1,539	1,547	37,882	30,583	—	—	—	—	—	—
	1,05,551	1,00,529	4,51,394	3,83,358	—	—	3	—	3	—

Crops	Pulses									
	Indian Millets		Kodo or Varan		Little & Common Millets		Total Cereals		Gram	
	Current	Normal	Current	Normal	Current	Normal	Current	Normal	Current	Normal
	26	27	28	29	30	31	32	33	34	35
	—	—	—	—	—	—	73,166	64,392	656	519
	—	—	—	—	244	295	86,706	73,733	2	9
	—	—	—	—	—	—	90,211	77,954	16	108
	—	—	—	—	267	234	2,62,418	1,88,290	539	381
	—	—	—	—	1,614	1,408	7,327	5,270	—	—
	—	—	—	—	1,242	1,552	79,154	72,810	19	5
	—	—	—	—	95	259	1,627	1,422	—	—
	—	—	—	—	608	1,098	1,96,299	1,83,383	34	91
	—	—	—	—	2,716	5,052	1,00,038	91,976	7	4
	—	—	—	—	102	238	1,00,125	99,824	338	160
	—	—	—	—	—	—	80,032	71,043	976	718
	—	—	—	—	—	—	89,311	70,643	339	582
	—	—	—	—	6,908	10,136	11,66,438	10,70,757	2,946	1,394

TABLE NO.

Total Output of Principal Crops in each

District	Food							
	Pulses							
	Other Pulses Kharif and Rabi		Green Gram or Moong		Red Gram (Tur or Arhar)		Black (Urd)	Gram or Masur
	Current	Normal	Current	Normal	Current	Normal	Current	Normal
36	37	38	39	40	41	42	43	
Bhaskar	176	334	—	1	14	2	49	191
Chamba	—	4	—	—	—	—	397	540
Hemirpur	—	1	—	1	—	—	69	125
Kangra	92	388	—	2	—	—	950	1,104
Kanwar	250	147	—	—	—	—	—	1
Kullu	320	342	—	2	—	—	—	317
Lehwal-Spiti	452	65	—	—	—	—	—	—
Mandi	1,351	1,460	—	1	—	—	—	635
Shimla	192	94	—	—	—	—	627	409
Simser	112	143	—	2	—	3	186	294
Solan	87	252	—	—	61	74	77	694
Una	27	18	11	14	—	2	205	313
State Total	3,069	3,153	11	20	75	87	2,360	4,683

District	Food									
	Ginger (Dry)		Pepper		Turmeric		Cardamom		Bottle-gourd	
	Current	Normal	Current	Normal	Current	Normal	Current	Normal	Current	Normal
	32	33	34	35	36	37	38	39	40	41
Bhaskar	163	66	—	—	3	7	1	—	—	—
Chamba	—	—	—	—	—	—	1	—	—	—
Hemirpur	—	1	—	—	6	5	—	—	—	—
Kangra	11	10	—	—	—	4	—	—	—	—
Kanwar	—	—	—	—	—	—	—	—	—	—
Kullu	—	2	—	—	—	—	—	—	—	—
Lehwal-Spiti	—	—	—	—	—	—	—	—	—	—
Mandi	13	4	—	—	—	—	—	—	—	—
Shimla	36	52	—	—	—	—	—	—	—	—
Simser	433	376	—	—	3	2	—	—	—	—
Solan	119	394	—	—	—	—	—	—	—	—
Una	—	—	—	—	3	2	—	—	—	—
State Total	808	903	—	—	17	20	1	—	—	—

V. B. - contd.

District of Himachal Pradesh (State) in 1935-37 - contd.

(In metric tonnes)

Crops - contd.							
- contd.							
Kharif Gram		Wheat		Total Pulses		Total Food Grains	
Current	Normal	Current	Normal	Current	Normal	Current	Normal
44	45	46	47	48	49	50	51
28	131	17	12	940	690	74,106	65,022
—	103	10	85	409	733	87,117	74,464
57	118	9	8	151	411	90,362	78,365
441	316	639	111	2,661	2,122	2,65,079	1,90,412
—	—	—	—	250	148	1,577	5,418
—	22	—	10	339	698	79,493	73,528
—	—	—	—	432	65	2,079	1,487
—	318	—	235	1,415	2,740	1,97,714	1,28,122
228	212	15	21	1,079	740	1,01,137	94,716
62	122	119	90	837	841	1,00,962	1,00,668
28	315	39	50	1,262	2,096	81,294	73,139
30	85	12	23	644	1,043	29,937	71,686
944	1,742	854	645	10,479	12,327	11,76,877	10,17,084

Crops - contd.		Non-Food crops									
Chillies		Potatoes		Sugar-cane (Cur)		Total Food Crops		Groundnut		Sesamum	
Current	Normal	Current	Normal	Current	Normal	Current	Normal	Current	Normal	Current	Normal
52	53	54	55	56	57	58	59	60	61	62	63
3	3	48	62	94	308	74,420	65,328	6	4	98	125
4	4	213	328	—	—	87,335	74,796	—	—	6	10
—	—	3	8	309	465	90,681	78,844	—	—	19	36
23	6	6,425	6,247	244	527	2,71,782	1,97,206	1	—	106	1,210
—	—	2,120	1,633	—	—	9,697	7,051	—	—	—	—
10	46	375	1,839	—	—	80,078	75,385	—	—	—	2
—	—	15,245	7,823	—	—	17,324	8,510	—	—	—	—
21	25	6,027	6,919	28	56	2,05,310	1,95,126	—	—	15	20
22	26	16,380	20,191	—	—	1,37,775	1,14,985	2	1	7	13
40	54	921	1,936	987	1,321	1,03,371	1,04,354	49	42	50	71
—	3	309	422	154	245	81,376	74,620	374	677	27	62
4	3	229	1,335	825	900	91,018	73,828	4	32	92	223
1,837	1,811	48,664	48,343	2,644	3,540	12,29,167	10,70,053	436	756	420	1,172

TABLE NO.
Total Output of Principal Crops in each District

District	Non-Food					
	Rape		Mustard		Linseed	
	Current 75	Normal 76	Current 77	Normal 78	Current 79	Normal 80
Bilaspur	—	56	124	130	1	2
Chaumba	—	—	289	267	5	8
Hamirpur	1	—	2	6	—	—
Kangra	58	36	268	186	1,322	1,271
Kinnaur	—	1	4	1	—	—
Kullu	—	—	37	71	—	—
Lahaul-Spiti	—	—	—	3	—	—
Mandi	—	—	37	70	65	69
Shimla	—	—	30	28	—	—
Sirmaur	13	22	128	217	1	—
Solan	—	34	29	37	—	1
Una	1	15	55	134	1	6
State Total	75	144	1,003	1,359	1,395	1,257

District	Non-Food							
	Tea		India Hemp		Opium		Sunhemp	
	Current 89	Normal 90	Current 91	Normal 92	Current 93	Normal 94	Current 95	Normal 96
Bilaspur	—	—	—	—	—	—	3	4
Chaumba	—	—	—	—	—	—	—	—
Hamirpur	—	—	—	—	—	—	—	1
Kangra	1,008	744	—	—	—	—	32	16
Kinnaur	—	—	—	—	—	—	—	—
Kullu	—	—	—	—	—	—	35	64
Lahaul-Spiti	—	—	—	—	—	—	—	—
Mandi	—	—	—	—	—	—	—	—
Shimla	—	—	—	—	—	—	—	—
Sirmaur	—	—	—	—	—	—	—	6
Solan	—	—	—	—	—	—	—	2
Una	—	—	—	—	—	—	49	25
State Total	1,008	744	—	—	—	—	119	118

V.B.—contd.

of Principal Products (State) in 1936-37—(contd.)

(In metric tonnes)

Crops—(contd.)							
Other oilseed Taramira		Indigo		Tobacco		Coffee	
Current 81	Normal 82	Current 83	Normal 84	Current 85	Normal 86	Current 87	Normal 88
49	—	—	—	3	9	—	—
—	—	—	—	9	20	—	—
—	—	—	—	—	1	—	—
—	—	—	—	—	2	—	—
—	—	—	—	—	—	—	—
—	—	—	—	16	25	—	—
—	—	—	—	—	—	—	—
—	—	—	—	5	6	—	—
—	—	—	—	—	1	—	—
—	—	—	—	—	7	—	—
17	—	—	—	—	12	—	—
—	—	—	—	4	3	—	—
66	—	—	—	37	86	—	—

Crops—contd.									
Drugs		Cotton				Total Non-Food Crops excluding cotton		Total Food and Non-Food Crops	
Current 97	Normal 98	Desi		American		Current 100	Normal 104	Current 103	Normal 104
		Current 99	Normal 100	Current 101	Normal 102				
—	—	4	13	—	—	283	343	74,768	61,671
—	—	—	—	—	—	309	905	87,644	76,841
—	—	—	1	—	—	22	45	90,703	76,089
—	—	13	73	—	—	2,008	3,455	2,74,590	2,08,641
—	—	—	—	—	—	4	2	9,701	7,883
—	—	—	—	—	—	62	164	80,166	78,880
30	—	—	—	—	—	30	3	17,354	8,923
—	—	—	—	—	—	120	165	2,03,930	1,98,297
—	—	—	—	—	—	39	44	1,37,814	1,15,080
—	—	4	—	—	—	247	365	1,83,618	1,04,770
—	—	9	63	—	—	456	873	82,332	79,699
—	—	8	54	—	—	216	492	91,234	74,580
30	—	36	109	—	—	4,627	6,356	12,33,794	10,76,260

TABLE

Details of Cropped Area in each District of

District	Gross Cropped Area						Grand Total
	Kharif*		Rabi*		Total*		
	Food Crops	Non-Food Crops	Food Crops	Non-Food Crops	Food Crops	Non-Food Crops	
1	2	3	4	5	6	7	8
Bilaspur ..	31,051	453	28,393	729	59,444	1,187	60,631
Chamba ..	35,859	203	25,060	2,541	60,919	2,744	63,663
Hamirpur ..	37,969	117	36,602	175	74,571	292	74,863
Kangra ..	1,09,579	9,295	99,162	6,536	2,08,741	15,831	2,24,572
Kinnaur ..	6,713	33	3,029	—	9,742	33	9,775
Kullu ..	31,516	129	25,421	1,317	56,937	1,446	58,383
Lahaul-Spiti ..	1,325	301	1,679	—	3,004	301	3,305
Mandi ..	80,305	539	70,499	1,654	1,50,804	2,193	1,52,997
Shimla ..	67,651	64	42,374	517	1,10,025	581	1,10,606
Sirmaur ..	40,394	1,429	35,676	1,674	76,070	3,103	79,173
Solan ..	36,439	1,953	30,527	1,597	66,966	3,550	70,516
Una ..	34,481	2,703	36,004	1,414	70,485	4,117	74,602
State Total ..	5,13,382	17,224	4,34,426	18,154	9,47,708	35,378	9,83,086

*The season may be according to the recognised customs of the State.

NO. V

Himachal Pradesh (State) in 1986-87

(In hectares)

Area cropped more than once	Cropped area of Forecast Crops		Area under Mixed Sowing			Total unad-justed area under mixture				
	Net Cropped area	Matured	Failed	Wheat-Barley (Crop-Mixture) Net area under			Crops at the rate of mixture			
				Gross area unad-justed	Wheat		Barley	Gross area (unad-justed)	Net area under	
9	10	11	12	13	14	15	16	17	18	19
28,723	31,908	16,645	43,986	—	—	—	—	—	—	—
22,335	41,328	27,323	36,340	—	—	—	—	—	—	—
36,194	38,669	18,974	55,889	—	—	—	—	—	—	—
1,01,185	1,23,387	1,55,347	69,225	—	—	—	—	—	—	—
2,336	7,439	89,38	837	—	—	—	—	—	—	—
22,729	35,654	21,658	36,725	—	—	—	—	—	—	—
169	3,136	2,129	1,176	—	221	686	—	—	—	—
57,972	95,025	87,597	65,400	—	—	—	—	—	—	—
35,414	75,192	38,678	71,928	—	—	—	—	—	—	—
35,686	43,487	38,024	41,149	—	—	—	—	—	—	—
28,252	42,264	22,149	44,493	—	—	—	—	—	—	3,874
31,163	43,439	29,406	45,196	—	—	—	—	—	—	—
4,02,158	5,80,928	4,66,868	5,12,344	—	221	686	—	—	—	3,874

One separate column be given for each crop mixture.

TABLE
Farm Prices During 1946-47 of Principal Crops

District	Rice		Wheat		Jowar		Bajra	
	Current year	Last year	Current year	Last year	Current year	Last year	Current year	Last year
1	2	3	4	5	6	7	8	9
Bilaspur	156	143	200	200	—	—	—	—
Chamba	234.70	282.23	200	196	—	—	—	—
Hamirpur	160	182	196	194	—	—	—	—
Kangra	348	325	204	196	—	—	—	—
Kinnaur	—	—	287	267	—	—	—	—
Kullu	296.66	297	198	195	—	—	—	—
Lahaul-Spiti	—	—	250	250	—	—	—	—
Mandi	220.79	210.00	214	203	120	120	—	—
Shimla	197	200	220.50	219	—	—	—	—
Sirmaur	406	400	196.25	186.00	175	—	150	200
Solan	199.60	194	190	197	—	—	160	—
Una	197.65	173	178.50	164	—	—	—	—
State Average	241.04	240.60	211.00	205.75	147.50	120	155	200

District	Sugar raw		Groundnut		Castor seed		Linseed		Rape	
	Current year	Last year	Current year	Last year	Current year	Last year	Current year	Last year	Current year	Last year
1	20	21	22	23	24	25	26	27	28	29
Bilaspur	356	—	—	—	—	—	—	—	500	458
Chamba	—	—	—	—	—	—	600	500	—	—
Hamirpur	360	363	—	—	—	—	634	617	—	—
Kangra	—	—	—	—	—	—	493	488	—	—
Kinnaur	—	—	—	—	—	—	—	—	—	—
Kullu	—	—	—	—	—	—	—	—	—	775
Lahaul-Spiti	—	—	—	—	—	—	—	—	—	—
Mandi	—	630	—	600	—	—	681	614	—	525
Shimla	—	—	—	—	—	—	—	—	—	—
Sirmaur	250	220	515	550	—	—	700	667	—	200
Solan	—	—	187.50	724	—	—	730	710	823.05	—
Una	—	360	600	500	—	—	866.50	466	778.50	—
Average	322	398.25	634.17	593.50	—	—	674.93	580.23	700.52	614.50

NO. VI

at certain centres in Himachal Pradesh (State)

(Per quintal)

Barley		Gram		Maize		Cotton		Mustar	
Current year	Last year	Current year	Last year	Current year	Last year	Current year	Last year	Current year	Last year
10	11	12	13	14	15	16	17	18	19
232	192	475	500	176	355	800	1,167	—	—
159	147	—	—	170.85	179	—	—	—	—
205	214	533	502	181	191	1,130	1,130	—	—
183	175	505	493	169	188	—	—	—	—
229	188	—	—	222	203	—	—	—	—
162	165	531	500	142.90	143	—	—	—	—
180	200	—	—	—	—	—	—	—	—
187	189.00	517	538.00	162.99	164.00	—	—	—	—
167	159	440	—	174	176.20	—	—	—	—
169.37	169.00	500	500	163.75	160	1,000	1,500	—	—
201.35	198	467.67	492	189	191	802.50	750	—	—
183.35	231	513.50	456	176	198	—	1,044	—	—
187.35	186	500.50	497.69	173.28	177.20	938.13	1,106	—	—

Mustard		Sesamum		Tobacco		Ginger		Pepper	
Current year	Last year	Current year	Last year	Current year	Last year	Current year	Last year	Current year	Last year
30	31	32	33	34	35	36	37	38	39
500	458	899	530	475	458	383	533	—	—
1250	1200	—	—	—	—	—	130	—	—
830	628	962	906	384	381	437	419	—	—
653	665	653	622	498	492	765	715	—	—
525	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—
890	858.00	925.55	867	444	450	542.26	630	—	—
475	800	—	—	—	—	325	350	—	—
712.50	700	600	560	1,000	993	343.73	456	—	—
705.30	—	937.30	725	300	313	823	393	—	—
750	—	750	665	—	—	—	—	—	—
729.28	738.43	823.79	704.85	516.83	504.50	519.86	428.25	—	—

TABLE

Agriculture Wages in each District of

July 86

(Normal No. of working hours)

District	Skilled Labour			Field Labour	Other Agricultural Labour	Herdsmen
	Carpenters	Blacksmiths	Cobblers			
1	2	3	4	5	6	7
Bilaspur	27.75	25.25	21.50	15.25	13.25	10.75
Chamba	24.33	18.00	—	22.50	13.75	—
Hamirpur	20.00	20.00	18.00	12.00	12.00	12.00
Kangra	26.00	26.00	26.00	12.00	12.00	12.00
Kinnaur	25.00	18.00	—	15.00	15.00	15.00
Kulu	33.75	27.50	35.00	15.50	14.25	11.25
Lahaul-Spiti	—	—	—	—	—	—
Mandi	25.00	25.00	20.00	15.00	15.00	15.00
Shimla	30.00	29.50	27.60	16.40	15.00	15.00
Sirmaur	37.50	17.50	37.50	13.00	13.00	11.00
Solan	37.00	33.00	26.00	22.00	22.00	16.00
Una	28.75	29.25	30.75	14.50	14.50	12.50
State Average	28.72	26.90	26.92	15.55	14.52	13.05

September 86

(Normal No. of working hours)

District	Skilled Labour			Field Labour	Other Agricultural Labour	Herdsmen
	Carpenters	Blacksmiths	Cobblers			
1	14	15	16	17	18	19
Bilaspur	27.75	25.25	21.50	13.25	13.25	10.75
Chamba	27.66	18.00	—	21.80	14.50	—
Hamirpur	20.00	20.00	18.00	12.00	12.00	12.00
Kangra	26.00	26.00	26.00	12.00	12.00	12.00
Kinnaur	25.00	18.00	—	15.00	15.00	15.00
Kulu	33.75	27.50	35.00	15.50	14.25	11.25
Lahaul-Spiti	—	—	—	—	—	—
Mandi	25.00	25.00	20.00	15.00	15.00	15.00
Shimla	30.00	29.00	27.60	16.40	15.00	15.00
Sirmaur	37.50	37.50	37.50	13.00	13.00	11.00
Solan	37.00	33.00	26.00	22.00	22.00	16.00
Una	31.25	30.00	30.75	15.00	15.00	12.50
State Average	29.25	26.37	26.93	15.47	14.64	13.05

NO. VII

Economic Profile (Steel) in 1986-87

(In Rupees per day)

August 86

(Normal No. of working hours)

District	Skilled Labour			Field Labour	Other Agricultural Labour	Herdsmen
	Carpenters	Blacksmiths	Cobblers			
8	9	10	11	12	13	
Bilaspur	27.75	25.25	21.50	13.25	13.25	10.75
Chamba	27.66	18.00	—	22.33	14.50	—
Hamirpur	20.00	20.00	18.00	12.00	12.00	12.00
Kangra	26.00	26.00	26.00	12.00	12.00	12.00
Kinnaur	25.00	18.00	—	15.00	15.00	15.00
Kulu	33.75	27.50	35.00	15.50	14.25	11.25
Lahaul-Spiti	—	—	—	—	—	—
Mandi	25.00	25.00	20.00	15.00	15.00	15.00
Shimla	30.00	29.80	27.60	16.40	15.00	15.00
Sirmaur	37.50	37.50	37.50	13.00	13.00	11.00
Solan	37.00	33.00	26.00	22.00	22.00	16.00
Una	28.75	29.25	30.75	14.50	14.50	12.50
State Average	29.08	26.30	26.93	15.54	14.59	13.05

October 86

(Normal No. of working hours)

District	Skilled Labour			Field Labour	Other Agricultural Labour	Herdsmen
	Carpenters	Blacksmiths	Cobblers			
20	21	22	23	24	25	
Bilaspur	27.75	25.25	21.50	13.25	13.25	10.75
Chamba	27.66	18.00	—	21.80	14.50	—
Hamirpur	20.00	20.00	18.00	12.00	12.00	12.00
Kangra	26.00	26.00	26.00	12.00	12.00	12.00
Kinnaur	25.00	18.00	—	15.00	15.00	15.00
Kulu	33.75	27.50	35.00	15.50	14.25	11.25
Lahaul-Spiti	—	—	—	—	—	—
Mandi	25.00	25.00	20.00	15.00	15.00	15.00
Shimla	30.00	29.80	27.60	16.40	15.00	15.00
Sirmaur	37.50	37.50	37.50	13.00	13.00	11.00
Solan	37.00	33.00	26.00	22.00	22.00	16.00
Una	31.25	30.00	30.75	15.00	15.00	12.50
State Average	29.24	27.23	27.07	15.47	14.78	13.05

TABLE

Agricultural Wages in each District of

District	November 86					
	(Normal No. of working hours)					
	Skilled Labour			Field Labour	Other Agricultural Labour	Herdsmen
	Carpenters	Blacksmiths	Cobblers			
26	27	28	29	30	31	
Bilaspur	27.25	24.50	23.75	14.50	14.90	13.25
Chamba	24.33	18.00	—	21.00	14.50	12.00
Hamirpur	20.00	20.00	18.00	12.00	12.00	12.00
Kangra	26.00	26.00	26.00	12.00	12.00	12.00
Kinnaur	25.00	18.00	—	15.00	13.00	15.00
Kulu	31.25	27.00	35.00	14.75	14.75	12.25
Lahaul-Spiti	—	—	—	—	—	—
Mandi	25.00	25.00	20.00	15.00	15.00	15.00
Shimla	30.80	29.80	27.60	16.40	15.00	15.00
Sirmaur	37.50	37.50	37.50	13.00	13.00	11.00
Solan	37.00	33.00	26.00	22.00	22.00	16.00
Una	33.00	31.75	32.50	16.75	16.75	12.50
State Average	28.83	26.41	27.37	15.67	14.95	13.27

District	January 87					
	(Normal No. of working hours)					
	Skilled Labour			Field Labour	Other Agricultural Labour	Herdsmen
	Carpenters	Blacksmiths	Cobblers			
38	39	40	41	42	43	
Bilaspur	27.75	25.00	24.00	14.75	14.75	13.50
Chamba	24.33	18.00	—	21.00	13.66	—
Hamirpur	20.00	20.00	18.00	12.00	12.00	12.00
Kangra	26.00	26.00	26.00	14.00	12.00	12.00
Kinnaur	25.00	18.00	—	15.00	15.00	15.00
Kulu	31.25	27.00	35.00	15.25	13.50	11.25
Lahaul Spiti	—	—	—	—	—	—
Mandi	25.00	25.00	20.00	15.00	15.00	15.00
Shimla	30.80	29.80	27.60	16.40	15.00	15.00
Sirmaur	37.50	37.50	37.50	13.00	13.00	11.00
Solan	37.00	34.00	27.00	23.00	22.00	16.00
Una	33.00	31.75	32.50	16.75	16.75	12.50
State Average	28.88	26.55	27.33	15.92	14.79	13.33

NO. VII—contd.

Himachal Pradesh (State) in 1986-87.

(In Rupees per day)

	December 86					
	(Normal No. of working hours)					
	Skilled Labour			Field Labour	Other Agricultural Labour	Herdsmen
	Carpenters	Blacksmiths	Cobblers			
32	33	34	35	36	37	
	27.50	24.75	24.00	14.75	14.75	13.50
	24.33	18.00	—	21.00	14.50	—
	20.00	20.00	18.00	12.00	12.00	12.00
	26.00	26.00	26.00	12.00	12.00	12.00
	25.00	18.00	—	15.00	15.00	15.00
	31.25	27.00	35.00	14.75	13.50	12.25
	—	—	—	—	—	—
	25.00	25.00	20.00	15.00	15.00	15.00
	30.80	29.80	27.60	16.40	15.00	15.00
	37.50	37.50	37.50	13.00	13.00	11.00
	37.00	33.00	26.00	22.00	22.00	16.00
	33.00	31.75	32.50	16.75	16.75	12.50
	28.85	26.44	27.40	15.70	14.86	13.43

	February 87					
	(Normal No. of working hours)					
	Skilled Labour			Field Labour	Other Agricultural Labour	Herdsmen
	Carpenters	Blacksmiths	Cobblers			
44	45	46	47	48	49	
	27.75	25.00	24.00	14.75	14.75	14.75
	24.33	18.00	—	21.00	14.50	—
	20.00	20.00	18.00	12.00	12.00	12.00
	26.00	26.00	26.00	14.00	12.00	12.00
	25.00	18.00	—	15.00	15.00	15.00
	31.25	27.00	35.00	14.00	13.50	12.25
	—	—	—	—	—	—
	25.00	25.00	20.00	15.00	15.00	15.00
	30.80	29.80	27.60	16.40	15.00	15.00
	37.50	37.50	37.50	13.00	13.00	11.00
	37.00	34.00	27.00	22.00	22.00	16.00
	33.00	31.75	32.50	16.75	16.75	12.50
	28.88	26.87	23.34	15.80	14.66	13.55

TABLE

Agriculture Wages in each District of

March 87

District	(Normal No. of working hours)					
	Skilled Labour					
	Carpenters	Blacksmiths	Cobblers	Field Labour	Other Agricultural Labour	Herdsmen
1	50	51	52	53	54	55
Dehra Dun	27.75	25.00	24.25	14.75	14.75	14.75
Chamba	24.33	21.56	—	15.66	13.00	—
Hamirpur	20.00	20.00	18.00	12.00	12.00	12.00
Kangra	26.00	26.00	26.00	14.00	12.00	12.00
Kinnair	23.00	18.00	—	15.00	15.00	15.00
Kullu	31.25	27.00	35.00	14.00	13.00	13.50
Lahaul-Spiti	—	—	—	—	—	—
Mandi	25.00	25.00	20.00	15.00	15.00	15.00
Shimla	30.80	29.80	27.60	16.40	15.00	15.00
Sirmaur	37.50	37.50	37.50	13.00	13.00	11.00
Solan	37.00	34.00	27.00	22.00	22.00	16.00
Una	35.50	34.25	35.00	18.00	18.00	13.75
State Average	29.10	27.10	27.83	15.80	14.80	13.80

May 87

District	(Normal No. of working hours)					
	Skilled Labour					
	Carpenters	Blacksmiths	Cobblers	Field Labour	Other Agricultural Labour	Herdsmen
1	62	63	64	65	66	67
Bilaspur	28.00	25.25	24.25	15.00	15.00	15.00
Chamba	29.00	26.50	—	22.50	15.50	15.33
Hamirpur	25.00	25.00	20.00	15.00	15.00	13.00
Kangra	26.00	26.00	26.00	14.00	13.00	12.00
Kinnair	25.00	18.00	—	15.00	15.00	15.00
Kullu	33.75	32.50	35.00	16.00	15.00	15.00
Lahaul-Spiti	—	—	—	—	—	—
Mandi	25.00	25.00	20.00	15.00	15.00	15.00
Shimla	30.80	29.80	27.60	16.40	13.00	15.00
Sirmaur	37.50	37.50	37.50	13.00	13.00	11.00
Solan	37.00	34.00	27.00	22.00	22.00	16.00
Una	35.50	34.25	35.00	18.00	18.00	13.75
State Average	30.23	28.53	28.03	16.53	15.50	14.28

No. VII—contd.

Himalach Pradesh (State) in 1986-87

(In Rupees per day)

April 87

	(Normal No. of working hours)					
	Skilled Labour					
	Carpenters	Blacksmiths	Cobblers	Field Labour	Other Agricultural Labour	Herdsmen
	56	57	58	59	60	61
	28.00	25.25	24.25	15.00	15.00	15.00
	22.90	25.00	20.00	—	21.00	14.66
	23.00	25.00	20.00	15.00	15.00	15.00
	26.00	26.00	26.00	14.00	12.00	12.00
	25.00	18.00	—	15.00	15.00	15.00
	31.25	25.00	35.00	13.25	13.00	13.50
	—	—	—	—	—	—
	25.00	25.00	20.00	15.00	15.00	15.00
	30.80	29.80	27.60	16.40	15.00	15.00
	37.50	37.50	37.50	13.00	13.00	11.00
	37.00	34.00	27.00	22.00	22.00	16.00
	35.50	34.25	35.00	18.00	18.00	13.75
	29.41	27.70	27.24	15.86	15.82	14.17

June 87

	(Normal No. of working hours)					
	Skilled Labour					
	Carpenters	Blacksmiths	Cobblers	Field Labour	Other Agricultural Labour	Herdsmen
	68	69	70	71	72	73
	28.00	25.50	24.50	14.50	14.50	14.50
	26.00	22.50	—	22.50	16.00	—
	27.00	25.00	20.00	15.00	15.00	15.00
	26.00	26.00	26.00	14.00	12.00	12.00
	25.00	18.00	—	15.00	15.00	15.00
	36.25	37.50	35.00	18.75	16.00	15.00
	—	—	—	—	—	—
	25.00	25.00	20.00	15.00	15.00	15.00
	30.80	29.80	27.60	16.40	15.00	15.00
	37.50	37.50	37.50	13.00	13.00	11.00
	37.00	34.00	27.00	22.00	22.00	16.00
	35.50	34.25	35.00	18.00	18.00	13.75
	30.18	28.64	28.06	16.74	15.68	14.23

TABLE

Number of Livestock, Poultry and Agricultural Machinery and According to Sex

District	Cattle						Total cattle
	Males over 3 years		Females over 3 years		Young stock	Total cattle	
	Breeding bulls i.e. other males over 3 years kept or used for breeding purpose only	Other males over 3 years	Breeding cows i.e. cows over 3 years kept for breeding or milk production	Other cows over 3 years			
	5	6	7	8	9	10	11
Bilaspur	5,730	41,006	4,128	4,946	8,560	66,370	
Chamba	17,929	67,915	34,999	53,382	72,891	2,47,116	
Hamirpur	3,408	53,377	3,861	3,376	6,425	70,447	
Kangra	14,242	1,69,834	62,142	50,670	1,22,434	4,19,122	
Kinnor	611	4,555	3,787	5,850	7,549	22,352	
Kulu	12,509	31,760	26,738	33,091	49,266	1,53,425	
Lahaul-Spiti	44	974	1,223	2,820	1,591	7,652	
Mandi	21,937	1,23,387	57,474	78,026	1,11,308	3,93,342	
Shimla	22,705	76,266	64,264	63,542	1,09,845	3,36,653	
Sirmaur	11,104	61,828	41,748	29,931	79,328	2,24,140	
Bolan	2,553	60,148	26,862	22,882	38,151	1,50,596	
Una	2,316	45,611	9,468	5,926	18,907	82,448	
State Total	1,15,348	7,38,462	3,37,745	3,51,452	6,26,656	21,73,663	

District	Live			
	Total Bovine	Total Sheep	Total Goat	Total Yaka
	14	15	16	17
Bilaspur	1,41,502	34,154	60,893	164
Chamba	2,82,019	2,69,923	1,73,169	—
Hamirpur	1,50,775	58,877	39,350	—
Kangra	5,57,450	90,833	1,48,425	611
Kinnor	23,358	47,168	20,148	—
Kulu	1,54,321	1,11,719	63,042	2,131
Lahaul-Spiti	10,019	45,235	11,422	—
Mandi	4,83,228	1,94,021	3,81,796	2
Shimla	3,55,244	1,64,958	1,04,011	—
Sirmaur	2,58,577	38,832	1,08,462	—
Bolan	2,14,937	25,429	7,4325	—
Una	1,61,203	11,375	66,309	—
State Total	27,93,573	10,90,322	10,59,662	2,905

Implementation in each District of Himachal Pradesh (State) in 1986-87 Census in 1982

stock	Buffaloes					
	Males over 3 years		Females over 3 years		Young stock	Total buffaloes
	Breeding bulls i.e. other males over 3 years kept or used for breeding purpose only	Other males over 3 years	Breeding cows i.e. buffaloes over 3 years kept for breeding or milk production	Other cows over 3 years		
	1	2	3	4	5	6
	996	84	24,662	26,780	23,010	75,132
	381	335	11,656	13,571	8,815	34,718
	272	26	36,457	22,568	21,003	80,328
	1,122	6,168	43,896	39,064	49,078	1,38,328
	—	—	1	3	1	8
	38	24	639	576	619	1,896
	—	—	—	—	—	—
	1,040	207	29,869	35,967	22,803	89,886
	299	76	8,896	5,452	3,866	18,589
	392	91	12,223	8,372	13,359	34,437
	600	80	22,608	21,686	19,407	64,341
	444	576	30,835	18,854	28,046	78,759
	5,184	7,617	2,20,742	1,92,853	1,90,009	6,16,413

stock - contd.

stock	Horses and Ponies			Total Horses and Ponies	Mules	Donkeys	Camels	Pigs
	Males over 3 years	Females over 3 years	Young stock					
	18	19	20					
	71	43	72	141	240	99	51	502
	552	243	303	938	775	142	—	185
	230	179	60	469	391	170	—	204
	2,781	2,710	1,479	6,970	3,080	264	216	2,194
	188	424	172	784	376	2,089	—	6
	432	483	400	1,315	551	320	—	74
	453	399	58	910	357	2,082	—	379
	892	747	323	1,962	1,545	162	—	2,066
	816	173	85	1,074	3,011	331	94	1,828
	493	349	148	1,001	1,348	114	—	575
	227	194	33	454	831	464	188	92
	254	265	131	652	194	376	163	—
	7,391	6,265	3,014	16,670	12,679	6,613	714	8,107

TABLE

Number of Livestock, Poultry and Agricultural Machinery and
 Implements in each District of Himachal Pradesh (State) in 1986-87—contd.
 according to last

District	Live stock				
	Total Livestock	Poultry			Total Poultry
		Fowls (Hens, Cocks and Chickens)	Ducks (Ducks, Drakes and Ducklings)	Others	
1	25	27	28	29	30
Bilaspur	2,07,582	32,797	7	—	32,804
Chamba	7,27,149	46,833	3	—	46,836
Hamirpur	2,50,226	24,982	51	4	25,037
Kangra	1,09,434	1,34,867	21	—	1,34,888
Kinnaur	93,869	5,233	—	—	5,233
Kulu	3,32,314	19,431	54	98	19,583
Lahaul-Spiti	48,023	4,113	—	—	4,113
Mandi	8,71,093	55,772	6	10	55,788
Shimla	6,30,695	99,634	20	3	99,657
Sirmaur	4,10,276	32,460	13	—	32,473
Solan	3,17,703	32,515	5	—	32,520
Una	2,40,166	12,533	16	—	12,549
State Total	49,32,540	4,60,972	198	115	4,61,285

No. VIII—contd.

Implements in each District of Himachal Pradesh (State) in 1986-87—contd.

Consist to 1982

contd.

Agricultural Machinery and Implements						
Plough (wooden and iron)	Carts	Sugarcane Crusher	Tractor	Oil Engines	Electric Pump	Others
31	32	33	34	35	36	37
41,535	—	179	26	160	62	—
49,678	—	2	—	1	—	—
49,373	—	631	55	23	17	—
1,52,187	116	671	224	284	99	—
5,437	—	—	—	3	—	—
39,132	—	—	65	82	4	—
2,936	—	—	5	—	—	—
94,233	—	20	106	21	92	—
56,135	1	1	2	5	—	—
38,813	2,169	517	189	38	110	—
52,199	347	170	80	279	85	—
25,275	750	770	184	277	116	—
6,23,761	3,403	2,961	936	1,177	585	—