

FOREWORD

The present issue of State Annual Season and Crop Report for the Agricultural Year 1990-91 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, cropwise total out turn, the farm harvest prices, agricultural wages and quinquennial Live Stock data. The State aggregates and their district-wise break-up are expected to come handy in the formulation of Rural plan.

I would like to place on record my gratitude for the collection work done by the Deputy Commissioners, Sub-Divisional Officers (Civil), District Revenue Officers, Tehsildars, Naib-Tehsildars and in fact the entire revenue field agency from patwari onwards. My appreciation is 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 guidance provided by Shri G. P. Gunta, Joint Director of Land Records Himachal Pradesh also needs to be added herein.

At the State headquarter the report was prepared by Shri Laiq Ram Sharma, Statistical Assistant within a short interval. The preparation of the report was done under scrutiny and supervision of Shri Santosh Ra Sharma, Statistician. I hope this publication would be of great use to the Government Offices, Planners and Research Workers alike.

Sd/-
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SUMMARY TABLES

A—Classification of Area

(In hectares).

Heads of classification	1985-86		1986-87		1987-88	
	Area	% of total	Area	% of total	Area	% of total
1	2	3	4	5	6	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)	32,27,071	58	33,25,283	60	33,49,546	60
Classifications :						
Forests	8,84,785	27	9,23,010	28	9,31,552	28
Barren and unculturable land	1,59,573	5	1,91,482	6	1,91,702	6
Land put to non-agricultural uses	2,20,115	7	2,01,451	6	2,02,706	6
Culturable waste	1,28,027	6	1,27,594	4	1,25,573	4
Permanent pastures and other grazing lands	11,53,568	36	12,02,246	36	12,15,805	36
Land under misc. tree crops and groves not included in area sown	40,747	1	40,538	1	43,936	1
Current fallows	43,906	1	44,031	1	45,355	1
Other fallow land	13,750	1	14,003	1	17,047	1
Net area sown	5,82,600	18	5,80,928	17.5	5,75,870	17.3
Area sown more than once	3,91,038	30	4,02,158	12	3,98,803	11.9
Total cropped area	9,73,638	30	9,83,086	29.6	9,74,763	29.1

(In hectares).

Heads of classification	1988-89		1989-90		1990-91	
	Area	% of total	Area	% of total	Area	% of total
1	8	9	10	11	12	13
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)	33,57,536	60	33,67,634	60	33,67,596	60
Classifications :						
Forests	9,24,365	28	10,40,863	31	10,38,989	31
Barren and unculturable land	1,90,617	6	1,77,778	5	1,83,794	5
Land put to non-agricultural uses	2,00,487	6	1,92,775	6	1,93,186	6
Culturable waste	1,26,408	4	1,26,758	4	1,25,157	4
Permanent pastures and other grazing lands	12,23,803	36	11,27,633	33	11,35,437	34
Land under misc. tree crops and groves not included in area sown	43,097	1	45,883	1	48,168	1
Current fallows	38,516	1	48,770	1	44,690	1
Other fallow land	17,708	1	25,205	1	15,378	1
Net area sown	5,83,511	17.3	5,81,967	17	5,82,797	17
Area sown more than once	3,99,288	11.9	3,88,691	12	4,00,803	12
Total cropped area	9,82,829	29.2	9,70,658	29	9,83,599	29

SUMMARY TABLES—contd.

B—Sources of Water Supply and Area Irrigated therefrom

(In hectares)

1985-86 1986-87 1987-88 1988-89 1989-90 1990-91

1 2 3 4 5 6 7

(I) Specification of Sources :

Private canals—						
Number	5,275	3,640	3,779	10,475	10,475	10,475
Length in kilometre	5,467	2,401	2,355	—	—	—
Government canals—						
Number	353	389	368	6,420	6,420	6,420
Length in kilometre	241	240	198	—	—	—
Tubewells—						
Government	296	346	172	—	—	1,275
Private	1,304	1,063	972	—	—	179
Total	1,600	1,409	1,144	1,437	1,437	1,454

No. of other Government wells used for irrigation purposes only—

Masonry	70	72	19	—	—	—
Non-masonry	26	—	—	—	—	—

No. of other private wells used for irrigation purposes only—

Masonry	1,023	841	1,058	—	—	2,109
Non-Masonry	1,065	167	173	—	—	—

No. of total wells in use for irrigation purposes

	2,184	1,080	1,250	2,109	2,109	2,109
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No. of wells used for domestic purposes only

	2,853	2,867	2,865	—	—	—
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No. of wells not in use

	556	619	196	179	179	—
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No. of reservoirs

	117	11	52	—	—	—
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No. of Tanks—

With Ayacut 100 hectares or more	36	37	44	—	—	14
With Ayacut less than 100 hectares	460	531	427	14	14	4
Total	496	568	471	14	14	18

No. of oil engines

	254	244	241	1,297	1,297	28
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(II) Net Area irrigated by—

Government canals	6,926	6,542	6,702	6,475	7,093	7,554
Private canals	—	—	—	—	—	15,743
Tanks	668	603	571	—	1,424	1,404
Wells	3,682	3,744	6,612	11,100	5,990	8,773
Other sources	84,862	84,527	84,141	81,937	87,292	70,983
Total	96,138	95,416	98,026	99,512	99,399	99,470

SUMMARY TABLES—contd.

B—Sources of Water Supply and Area Irrigated therefrom—concl'd.

(In hectares)

	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91
	2	3	4	5	6	7
Percentage of net area irrigated to net area sown	16.5%	16.4%	17.0%	17.0%	17.0%	17.0%
Area irrigated more than once in the same year (in hectares)	73,338	75,867	74,984	76,330	76,443	67,317
Total gross area of crops irrigated (in hectares)	1,69,476	1,71,283	1,73,010	1,75,842	1,75,842	1,66,787
Per cent of total irrigated area to total sown area	17.4%	17.4%	17.7%	17.4%	18.0%	16.9%
Number of wells having independent ayacuts	—	—	275	—	—	—
Number of wells supplementary recognised sources of irrigation	—	—	2	—	—	—
Per cent of area irrigated by wells having independent ayacuts to the total area irrigated	—	—	—	—	—	—

SUMMARY TABLES—*contd.*C—*Area of Crops Irrigated—concl'd.*

(In hectares)

Crops	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91
1	2	3	4	5	6	7
Jute	—	—	—	—	—	—
Sun Hemp	19	10	16	92	10	4
Groundnut	90	86	50	60	118	23
Coconut	—	—	—	—	—	—
Sesamum	256	239	463	331	270	293
Rape	93	104	125	67	91	84
Mustard	441	457	435	440	3,647	716
Linseed	4,117	4,504	4,420	3,873	—	3,418
Taramira	79	48	46	127	74	—
Indigo	—	—	—	—	—	—
Rubber	—	—	—	—	6	—
Tobacco	50	26	18	10	15	17
Coffee	—	—	—	—	—	—
Tea	2,104	1,436	1,302	1,130	1,307	1,269
Indian Hemp	—	1	—	—	2	—
Opium	—	—	—	—	—	—
Cardamoms	—	—	—	—	—	—
Chillies	—	—	—	—	—	—
Ginger	—	—	—	—	—	—
Pepper	—	—	—	—	—	—
Turmeric	—	—	—	—	—	—
Fodder crops	3,039	3,377	3,155	3,791	5,249	4,011
Misc. non-food crops	317	311	912	138	665	602
Total non-food crops	10,685	10,698	10,995	10,110	12,063	10,478
Total irrigated crops	1,69,476	1,71,283	1,73,010	1,71,230	1,75,842	1,66,787

SUMMARY TABLES—*contd.*

C—Area of Crops Irrigated

(In hectares)

Crops 1	1985-86 2	1986-87 3	1987-88 4	1988-89 5	1989-90 6	1990-91 7
(i) Food Crops:						
Rice—						
Autumn	—	—	—	—	—	—
Winter	—	—	—	—	—	—
Summer	50,506	52,092	50,172	49,253	50,773	49,088
Total ..	50,506	52,092	50,172	49,253	50,773	49,088
Wheat	64,231	63,181	64,049	63,765	68,152	65,137
Jowar—						
Rabi	—	—	—	—	—	—
Kharif	5	—	4	—	—	—
Total ..	5	—	4	—	—	—
Bajra	24	15	14	21	26	43
Barley	4,839	4,605	4,672	4,388	4,185	4,403
Maize	21,858	22,509	24,527	24,720	24,281	21,675
Ragi	271	950	353	249	324	168
Other pulses	801	—	617	747	10	—
Kodo	—	—	—	—	—	—
Little millets	213	170	—	—	719	283
Common millets	1,890	1,129	2,050	2,119	1,097	1,724
Gram	410	483	638	395	299	350
Green gram	40	239	64	42	37	25
Other vegetable	1,071	—	—	—	—	—
Black gram	568	—	203	388	104	—
Horse gram	213	148	123	65	230	970
Masur	227	235	412	208	763	344
Sugarcane	725	848	861	784	763	757
Potatoes	2,968	3,071	3,146	3,472	3,094	4,470
Misc. food crops	6,480	9,465	8,455	9,365	8,619	5,815
Cardamoms	2	32	1	—	1	1
Chillies	238	237	456	181	244	158
Ginger	1,076	980	902	664	647	718
Other Spices	119	96	284	309	159	170
Turmeric	16	6	12	15	15	10
Total Food Crops ..	1,58,791	1,60,585	1,22,015	1,61,120	1,63,779	1,56,309
(ii) Non-Food Crops:						
Cotton—						
Desi	71	97	52	50	55	41
American	9	2	1	1	—	—
Total ..	80	99	53	51	55	41

SUMMARY TABLES—contd.

D—Area under all Crops

(in hectares)

Crops 1	1985-86 2	1986-87 3	1987-88 4	1988-89 5	1989-90 6	1990-91 7
Paddy Rice—						
Winter						
Summer	90,762	95,944	90,174	94,787	88,657	84,939
Total	90,762	95,944	90,174	94,787	88,657	84,939
Wheat	3,77,107	3,71,884	3,75,250	3,73,225	3,70,653	3,76,278
Jowar—						
Rabi						
Kharif	181	216	176	217	—	6
Total	181	216	176	217	—	6
Bajra	53	63	38	53	58	64
Barley	34,241	32,942	31,466	29,103	28,660	29,295
Maize	2,99,514	3,03,421	3,00,050	3,15,101	3,13,585	3,19,111
Ragi	6,691	8,002	7,027	5,916	6,385	5,944
Italian millets	—	—	—	—	413	337
Kodo	216	3	1	1	—	—
Little millets	—	—	—	—	—	—
Common millets	20,577	18,022	18,484	18,581	16,241	15,609
Other Cereals—						
Kharif	402	586	1,075	1,073	474	—
Rabi	89	23	9	—	—	—
Total	491	609	1,084	1,073	474	—
Total cereals	8,29,333	8,31,111	8,24,750	8,38,057	8,25,126	8,31,583
Gram	6,928	9,353	7,603	5,760	5,830	3,372
Green gram	214	200	78	137	118	110
Red gram	322	1,046	205	508	542	496
Black gram	20,954	19,553	17,257	19,871	18,597	19,724
Horse gram	7,070	6,558	5,242	5,902	4,718	4,630
Masur	2,035	3,474	2,454	2,236	2,044	2,303
Other pulses—						
Kharif	4,052	4,006	9,819	6,171	7,396	8,006
Rabi	2,172	3,209	1,417	3,189	1,211	1,331
Total	6,224	7,215	11,236	9,360	8,607	9,337
Total pulses	43,747	47,399	44,075	43,774	40,476	39,982
Total foodgrains	8,73,080	8,78,510	8,68,825	8,81,831	8,65,602	8,62,224
Sugar crops—						
Sugarcane	2,707	2,731	2,952	2,984	2,541	2,460
Other Sugar crops	—	—	—	—	—	—
Total	2,707	2,731	2,952	2,984	2,541	2,460

SUMMARY TABLES—contd.

D—Area under all Crops—contd.

(in hectares)

Crops 1	1985-86 2	1986-87 3	1987-88 4	1988-89 5	1989-90 6	1990-91 7
Fresh Fruits—						
Apples	24,494	25,241	25,583	30,318	29,990	33,303
Grapes	17	18	13	33	13	14
Bananas	3	4	4	12	3	8
Citrus fruits	282	147	49	148	137	135
Mangoes	3,863	3,826	4,039	1,425	506	523
Peaches and pears	176	261	265	181	207	287
Other fresh fruits	5,983	6,434	5,603	3,499	5,991	8,766
Total fresh fruits	34,818	35,931	35,556	35,616	36,847	43,036
Dry fruits—						
Cashew nuts	—	—	—	—	—	17
Other dry fruits	380	361	407	397	500	661
Total dry fruits	380	361	407	397	500	678
Vegetables—						
Potatoes	14,650	15,429	14,943	15,503	16,662	15,854
Tapioca	—	—	—	—	—	—
Sweet potatoes	2	—	2	3	4	12
Onions	683	713	549	577	571	638
Others—						
Winter	5,066	4,956	6,39	4,900	5,030	6,310
Summer	4,785	5,237	5,773	5,242	6,071	6,196
Total others	—	—	—	—	—	—
Total vegetables	25,186	26,337	27,786	26,225	28,338	29,010
Total fruits and vegetables	60,384	62,629	63,749	62,238	65,685	72,724
Other Misc. food crops	—	—	—	—	—	35
Total Food Crop	—	—	—	—	—	—
Condiments and Spices—						
Betelnuts	—	—	—	—	—	—
Cardamoms	—	—	—	—	—	—
Chillies	860	904	1,673	606	942	781
Ginger	2,231	2,362	2,050	1,643	1,441	1,524
Pepper	—	1	—	—	—	—
Turmeric	59	98	53	53	66	72
Other condiments and spices	354	473	743	211	452	591
Total condiments and spices	3,504	3,838	4,519	2,899	2,909	3,003
Other fibres—						
American	—	—	—	—	—	—
Total	335	261	248	244	193	170
Total fibres	273	314	264	356	146	80

SUMMARY TABLES—contd.
D—Area under all Crops—contd.

(in hectares)

Crops 1	1985-86 2	1986-87 3	1987-88 4	1988-89 5	1989-90 6	1990-91 7
Edible Oil Seeds—						
Groundnut	986	1,040	816	367	651	485
Coconut	—	—	—	—	—	—
Sesamum	10,246	7,184	8,388	7,575	7,327	7,417
Rape	394	443	350	105	664	1,526
Mustard	6,541	7,661	6,844	6,611	6,707	7,198
Other edible oil seeds	2,053	1,253	1,563	1,833	529	489
Total Edible oil seeds	16,202	17,581	17,961	16,491	15,878	16,713
Non-edible oil seeds—						
Linseed	5,112	5,059	5,216	4,466	4,066	3,909
Caster	—	268	—	—	—	—
Other non-edible oilseeds	30	1	—	—	721	221
Total non-edible oilseeds	5,142	5,328	5,216	4,466	4,787	4,120
Total oil seeds	21,344	22,909	23,177	20,957	20,665	21,235
Dyes and Tanning materials—						
Indigo	—	—	—	—	—	—
Other dyes and tanning materials	—	—	—	—	—	—
Total dyes and tanning	—	—	—	—	—	—
Rubber						
Total rubber	—	—	—	—	—	—
Drugs and Narcotics—						
Tobacco	185	167	105	87	88	92
Coffee	—	—	—	—	—	—
Tea	3,099	3,232	3,102	1,425	2,627	2,252
Indian Hemp	—	152	139	164	180	155
Opium	—	—	—	—	—	—
Cinchona	—	—	—	—	—	—
Other drugs and narcotics	253	325	204	185	149	318
Total drugs and narcotics	3,537	3,876	8,550	1,86	3,044	2,877
Fodder Crops	8,266	8,006	7,309	9,014	9,582	9,253
Other Misc. non-food crops	208	12	129	445	291	292
Total non-food crops	33,963	35,378	34,678	32,877	33,921	33,847
Gross cropped area—						
Kharif :						
Food crops	5,06,623	5,13,282	5,03,705	5,26,147	5,15,223	5,23,675
Non-food crops	16,629	17,224	17,696	14,922	15,983	14,787
Rabi :						
Food crops	4,33,052	4,34,426	4,36,380	4,23,805	4,21,514	4,26,077
Non food crops	17,334	18,154	16,982	17,955	17,938	19,060
Total food crops	9,39,675	9,47,708	9,40,085	9,49,952	9,36,737	9,49,752

SUMMARY TABLES—contd.

D—Area under all Crops—contd.

(in hectares)

Crops 1	1985-86 2	1986-87 3	1987-88 4	1988-89 5	1989-90 6	1990-91 7
Total non-food crops	33,963	35,378	34,678	32,877	33,921	33,847
Grand Total	9,73,638	9,83,086	9,74,763	9,82,829	9,70,658	9,83,399
Area cropped more than once	3,91,038	4,02,158	3,88,022	3,99,258	3,88,691	4,00,800
Net cropped area	5,82,600	5,80,928	5,75,870	5,83,571	5,81,967	5,82,797
Cropped area of forecast crops—						
Failed	2,08,997	5,12,344	6,83,784	4,56,138	—	—
Matured	7,51,823	4,66,868	2,90,979	5,26,691	—	—
Total gross un-adjusted area under various crop mixtures	12,818	3,874	—	—	—	—

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SUMMARY

E—Average yield per acre condition of the

Crops	1985-86			1986-87	
	Standard yield 2	Average yield 3	Total outturn 4	Average yield 5	Total outturn 6
Rice—					
Winter	—	—	—	—	—
Summer	1,287	1,381	1,25,400	1,100	1,05,551
Total	—	1,381	1,25,400	1,100	1,05,551
Wheat	—	1,306	4,92,015	1,213	4,51,394
Jowar—					
Rabi	—	—	—	—	—
Kharif	—	507	55	507	3
Total	—	507	55	507	3
Bajra	—	—	—	—	—
Barley	—	1,119	37,280	1,077	35,374
Maize	—	1,740	5,21,074	1,855	5,62,990
Ragi	—	534	4,021	623	4,193
Common & little millets	—	—	8,212	546	6,908
Other cereals	—	—	—	—	—
Total cereals	—	—	11,88,076	—	11,66,438
Gram	—	518	4,215	406	2,946
Other pulses (Kharif and Rabi)	—	—	3,761	—	3,089
Green gram	—	276	7	272	11
Red gram	—	381	131	28	75
Black gram	—	273	3,007	194	2,560
Horse gram	—	267	1,233	183	904
Masur	—	291	409	219	854
Total Pulses	—	—	12,763	—	10,439
Total foodgrains	—	—	12,00,839	—	11,76,877
Sugarcane	—	1,374	2,712	1,085	2,641
Potatoes	—	4,498	4,3934	2,641	48,694
Chillies	—	241	130	174	137
Ginger	—	1,635	1,300	1,285	800
Turmeric	—	341	18	350	—
Cardamom	—	122	—	—	—
Pepper	—	—	—	—	—
Other condiments & spices	—	300	801	—	—
Total food crops	—	—	12,45,711	—	12,29,167

TABLES—contd.

Crops and the total outturn of Crops

	1987-88		1988-89		1989-90		1990-91	
	Average yield 7	Total outturn 8	Average yield 9	Total outturn 10	Average yield 11	Total outturn 12	Average yield 13	Total outturn 14
	—	—	—	—	—	—	—	—
	863	76,117	1,038	89,827	1,381	1,25,400	1,254	1,06,497
	863	76,117	1,038	89,827	1,381	1,25,400	1,254	1,06,497
	937	3,51,970	1,374	5,13,187	1,226	5,43,689	1,579	6,01,716
	—	—	—	—	—	—	—	—
	161	1	—	1	—	—	—	—
	161	1	—	1	—	—	—	—
	28	1	—	11	382	18	—	35
	938	32,642	1,217	35,282	1,020	37,097	1,470	43,051
	1,383	4,14,978	1,503	4,83,265	2,010	6,69,197	—	6,54,957
	542	1,633	428	2,460	—	4,355	—	4,051
	743	4,539	231	4,290	358	8,894	—	—
	—	—	—	—	—	—	—	—
	—	8,81,881	—	11,28,323	—	13,57,784	—	14,20,630
	192	971	499	2,872	439	1,709	539	2,225
	—	1,504	—	2,082	—	5,457	—	4,413
	58	6	131	18	315	29	—	21
	213	2	396	201	359	75	—	—
	50	1,600	87	1,736	319	2,611	319	4,396
	48	541	84	496	280	541	389	1,084
	193	535	372	832	304	450	377	355
	—	5,159	—	8,237	—	10,872	—	12,673
	—	8,87,040	—	11,36,560	—	13,68,650	—	14,33,303
	858	2,019	640	1,909	1,339	2,933	1,614	3,168
	2,197	34,849	7,095	1,10,000	4,613	2,03,042	7,050	1,05,858
	256	193	188	114	337	233	337	233
	631	303	373	613	1,629	635	1,629	635
	350	5	264	14	491	23	491	23
	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—
	—	—	—	97	—	—	—	—
	—	9,24,409	—	12,49,307	—	15,75,522	—	15,44,739

SUMMARY

E—Average yield per acre condition of the

Crops 1	1985-86			1986-87	
	Standard yield 2	Average yield 3	Total outturn 4	Average yield 5	Total outturn 6
Non-food Crops—					
Coconut	—	—	—	—	—
Sesamum	—	209	1,531	219	420
Rape	—	454	170	344	75
Mustard	—	284	1,520	200	1,003
Linseed	—	216	1,662	—	66
Csstor	—	—	—	—	—
Groundnut	—	629	910	608	436
Indigo	—	—	—	—	—
Rubber	—	—	—	—	—
Tobacco	—	484	92	357	37
Coffee	—	—	—	—	—
Tea	—	350	1,036	—	1,008
Hemp	—	185	—	—	—
Cotton—					
Desi	—	372	538 Bales	342	226
American	—	—	—	—	—
Jute	—	—	—	—	—
Sun Hemp	—	446	127	—	—
Hemp	—	—	—	—	—
Total Non-food Crops ..	—	—	7,680	—	4,627
Total Food and Non- food Crops ..	—	—	12,62,814	—	12,33,794

TABLES—contd.

Crops and the total outturn of Crops—canald.

1987-88		1988-89		1989-90		1990-91	
Average yield 7	Total outturn 8	Average yield 9	Total outturn 10	Average yield 11	Total outturn 12	Average yield 13	Total outturn 14
—	—	—	—	—	—	—	—
168	1,098	122	923	296	3,323	—	1,547
283	47	—	93	354	915	—	—
201	844	319	2,048	483	1,639	—	2,870
171	1,019	554	2,026	248	1,362	—	1,267
—	77	—	183	—	—	—	—
147	34	327	120	619	220	—	145
—	—	—	—	—	—	—	—
293	323	402	35	386	50	—	52
—	—	—	—	—	—	—	—
—	1,133	—	742	—	—	—	878
275	76	254	64	278	74	—	234
—	—	—	—	—	—	—	Bales
340	75	320	114	452	92	—	6
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	4,436	—	6,346	—	7,683	—	6,873
—	9,28,845	—	12,55,653	—	15,83,205	—	15,51,612

SUMMARY TABLES—*contd.*

F—Farm prices of Principal Crops

(In Rupees per quintal)

1	1935-86 2	1986-87 3	1987-88 4	1988-89 5	1989-90 6	1990-91 7
Rice	240.60	241.04	279.50	301.72	322.00	327.00
Wheat	205.75	211.60	221.79	241.12	257.00	286.00
Jowar	120.00	147.50	—	—	—	—
Bajra	200.00	155.00	—	212.50	195.00	200.00
Barley	185.00	187.35	202.95	227.44	223.00	254.00
Gram	514.65	500.50	609.91	801.91	883.00	930.00
Maize	177.20	173.28	195.51	223.37	221.00	233.00
Cotton	1118.20	938.13	1313.84	1147.25	939.00	1310.00
Jute	457.00	—	644.13	—	—	—
Sugar raw	398.25	322.00	349.75	506.25	319.00	504.00
Groundnut	593.50	654.17	853.00	962.50	909.00	1017.00
Castor seed	—	59.50	—	—	850.00	—
Linseed	580.25	674.93	744.94	804.45	932.00	1055.00
Rape	614.50	700.52	—	—	866.00	1184.00
Mustard	758.43	728.28	862.03	890.10	1033.00	—
Sesamum	704.85	823.79	1019.93	1208.17	1147.00	1353.00
Tobacco	504.50	516.83	571.70	522.40	681.00	812.00
Ginger	428.25	519.86	661.97	712.87	912.00	949.00

SUMMARY TABLES—contd.

G—Agricultural Wages

(In Rupees)

Months and year	Skilled Labour			Field Labour	Other Agril. Labour	Herds-men
	Carpenters	Black-smiths	Cobblers			
1	2	3	4	5	6	7
1989-90—						
July	39	36	30	23	18	18
August	39	33	30	22	19	19
September	40	36	30	24	20	19
October	40	37	31	24	20	19
November	41	37	32	25	22	20
December	41	38	32	25	22	20
January	40	38	32	23	22	20
February	41	38	32	23	22	20
March	42	38	33	23	2	20
April	42	36	34	23	22	21
May	43	39	36	25	20	21
June	42	38	34	25	22	21
Average for the year ..	41	37	32	24	21	20
1990-91						
July	42	38	32	26	23	20
August	42	38	36	25	23	20
September	42	38	36	24	23	20
October	42	38	36	24	23	22
November	43	39	38	25	24	21
December	43	39	38	25	24	22
January	43	39	38	25	23	21
February	45	41	39	26	24	22
March	45	41	40	26	24	25
April	45	45	40	28	25	23
May	46	42	40	25	25	23
June	46	41	40	26	25	24
Average for the year	44	40	38	26	24	22

SUMMARY TABLES—concl'd.

H—Number of Livestock, Poultry and Agricultural Machinery

	1982	1987
Cattle:		
Males over 3 years—		
Breeding bulls	1,15,348	} 8,92,205
Other males over 3 years	7,38,462	
Female over 3 years—		
Breeding cows	3,37,745	3,74,581
Other cows over 3 years	35,542	3,57,626
Young stock	6,26,656	6,20,403
Total cattle	21,73,663	22,44,815
Buffaloes:		
Males over 3 years—		
Breeding bulls	5,183	7,695
Other males over 3 years	7,627	93,649
Females over 3 years—		
Breeding cows	2,20,742	2,76,602
Other Cows over 3 years	1,92,853	1,85,790
Young stock	1,90,009	2,31,255
Total Buffaloes	6,16,415	7,94,991
Total Sheep	10,90,322	11,12,768
Total Goats	10,59,862	11,20,139
Horses and Ponies:		
Males over 3 years	7,391	9,079
Females over 3 years	6,265	7,412
Young stock	3,014	3,596
Total Horses and Ponies	16,670	20,147
Mules	12,679	23,105
Donkey	6,613	8,011
Camels	714	327
Pigs	8,107	17,976
Total livestock	49,88,540	53,42,279
Poultry:		
Fowls	4,60,972	7,53,476
Ducks	198	145
Others	115	255
Total Poultry	4,61,285	7,53,876
Agricultural Machinery and Implements:		
Plough	6,23,761	7,99,207
Carts	3,403	4,722
Sugarcane Crushers	2,961	1,413
Tractors	936	1,319
Oil Engines	1,177	2,358
Electric Pump	585	934
Ghanis	NA	1

TABLE

Average Rainfall in each District of

District	Winter From 1st January to 28th February,							No. of rainy days
	January		February		Total for the season			
	Current	Normal	Current	Normal	Total rainfall	Corres- ponding normal		
1	2	3	4	5	6	7	8	
Bilaspur	8.0	57.9	121.4	59.3	129.4	117.2	9	
Chamba	57.7	119.0	199.4	114.3	257.1	233.3	13	
Hamirpur	6.0	68.5	129.0	58.8	135.0	127.3	9	
Kangra	18.8	89.9	152.1	82.7	170.9	172.6	10	
Kinnaur	20.6	95.3	86.6	98.7	107.2	194.0	8	
Kullu	25.0	88.5	243.4	95.5	268.4	184.0	12	
Lahaul & Spiti	50.0	64.7	48.2	71.7	98.2	136.4	12	
Mandi	53.9	72.2	38.2	65.4	92.1	137.6	11	
Shimla	6.0	107.8	168.6	80.1	174.6	187.9	20	
Sirmaur	0.1	76.1	180.1	48.5	180.2	124.6	10	
Solan	2.0	83.8	136.0	61.4	138.0	145.2	8	
Una	2.1	51.5	133.6	48.1	102.6	99.6	6	
H.P. State Average ..	20.8	81.2	133.3	73.7	154.4	154.9	10.6	

Monsoon
1st June to 30th September,

District	Monsoon 1st June to 30th September,										No. of rainy days
	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	
1	18	19	20	21	22	23	24	25	26	27	28
Bilaspur	69.3	104.6	238.8	404.5	270.7	330.1	280.1	186.9	858.9	1026.1	41
Chamba	87.8	38.1	178.3	280.4	201.6	241.2	142.0	143.2	609.7	702.9	38
Hamirpur	108.0	92.7	404.7	406.5	399.3	414.7	386.7	160.9	1298.7	1074.8	55
Kangra	163.7	128.8	652.7	622.4	653.7	681.8	398.9	237.2	1869.0	1670.2	47
Kinnaur	8.3	30.6	67.2	72.0	40.3	66.3	35.4	68.2	151.2	236.5	21
Kullu	66.6	94.6	196.5	166.7	163.2	180.4	84.4	91.8	510.7	533.5	44
Lahaul & Spiti	6.5	12.8	6.0	43.1	8.0	35.1	16.0	55.7	36.5	146.7	4
Mandi	239.1	161.6	554.1	475.8	343.8	329.3	424.4	185.9	1561.4	1152.0	54
Shimla	71.3	102.7	187.5	300.1	191.1	211.8	118.4	142.7	568.3	757.3	41
Sirmaur	116.7	145.5	613.1	578.7	492.4	559.8	213.6	250.2	1435.6	1534.2	54
Solan	94.8	108.6	469.7	395.1	348.5	373.0	424.4	185.9	1337.4	1062.5	43
Una	71.8	86.7	273.9	338.0	438.8	284.9	312.4	150.6	1096.9	860.2	48
H. P. State Average ..	91.9	92.2	320.2	340.2	295.9	309.0	236.3	154.9	944.5	896.4	40.8

No. 1

Himachal Pradesh (State) in 1990

(In millimetres).

District	Pre-Monsoon 1st March to 31st May,										No. of rainy days
	March		April		May		Total for the season				
	Current	Normal	Current	Normal	Current	Normal	Total rainfall	Corres- ponding normal			
9	10	11	12	13	14	15	16	17			
Bilaspur	87.9	64.5	7.6	19.6	50.9	40.5	146.4	124.6	15		
Chamba	290.2	140.6	85.7	87.2	75.2	80.1	451.1	307.9	22		
Hamirpur	135.0	53.6	2.0	25.2	112.0	28.5	249.0	107.3	18		
Kangra	173.4	80.4	21.6	41.0	64.4	41.5	259.4	162.9	13		
Kinnaur	277.4	99.1	71.2	70.7	21.5	64.4	370.1	234.2	17		
Kullu	205.3	111.9	56.0	73.9	68.0	56.9	329.3	242.7	26		
Lahaul & Spiti	173.5	112.7	40.0	82.8	21.0	64.6	234.5	260.1	15		
Mandi	200.8	82.2	22.3	42.5	109.6	58.9	332.7	183.6	20		
Shimla	240.6	80.9	31.5	46.4	80.8	59.3	352.9	186.6	23		
Sirmaur	95.5	50.4	21.4	11.7	59.5	28.5	176.4	90.6	14		
Solan	89.1	58.8	1.5	21.1	92.8	34.9	183.4	114.8	14		
Una	91.6	41.3	0.7	18.5	49.8	16.8	142.1	76.6	11		
H.P. State Average ..	171.6	81.3	30.1	45.0	67.1	47.9	268.9	174.3	17.3		

Post-Monsoon
1st October to 31st December,

District	Post-Monsoon 1st October to 31st December,										No. of rainy days	
	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- ponding normal	Number of rain- fall days	Total Corres- ponding Normal		Total No. of rainy days
29	30	31	32	33	34	35	36	37	38	39	40	
Bilaspur	—	28.5	3.0	14.3	98.0	36.5	101.0	79.3	4	1235.7	1347.2	69
Chamba	29.2	69.8	14.5	36.8	173.5	71.1	217.2	177.7	11	1535.1	1421.8	84
Hamirpur	2.3	27.0	1.7	8.0	133.1	32.8	137.1	67.8	6	1819.8	1377.2	88
Kangra	0.5	45.7	2.6	12.5	185.6	47.5	188.7	105.7	7	2488.0	2111.4	77
Kinnaur	20.4	36.4	20.1	13.0	80.5	58.0	121.0	107.4	9	749.5	772.1	55
Kullu	—	31.4	6.1	13.7	74.0	41.4	80.0	86.5	2	1188.4	1046.7	84
Lahaul & Spiti	3.0	22.1	2.0	14.5	145.0	29.9	150.0	66.5	7	519.2	609.7	38
Mandi	10.8	54.3	1.2	16.3	170.4	36.2	182.4	106.8	7	2168.6	1580.6	92
Shimla	6.8	47.3	20.5	14.4	113.7	49.1	141.0	110.8	6	1236.8	1242.6	90
Sirmaur	7.6	30.2	17.4	9.5	174.2	32.0	199.2	111.7	4	1991.6	1861.1	80
Solan	—	60.9	7.4	9.4	110.9	27.5	118.3	97.8	5	1777.1	1420.4	70
Una	3.2	38.1	7.0	4.7	111.0	25.2	121.2	68.0	7	1462.8	1104.4	72
H.P. State Average ..	6.9	44.3	8.6	13.9	130.8	40.5	146.4	98.8	6.2	1514.3	1324.5	75.0

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	1,15,384	11,452	8,056	13,453	4,942
Chamba	6,51,500	6,92,419	2,71,568	4,751	11,899	6,332
Hamirpur	1,11,800	1,10,092	20,050	17,407	16,910	7,822
Kangra	5,73,900	5,77,708	2,31,533	36,781	78,495	50,924
Kinnaur	6,55,300	2,23,447	21,239	34,150	2,810	1,905
Kullu	5,50,300	50,791	—	3,631	3,851	3,062
Lahaul & Spiti	1,36,930	2,15,628	1,10,050	4,529	1,613	574
Mandi	3,95,100	3,96,956	1,68,486	11,933	11,873	4,378
Shimla	5,13,100	4,25,672	1,07,239	15,999	12,406	9,957
Sirmaur	2,82,600	2,24,754	48,578	7,703	9,415	12,962
Solan	1,93,700	1,80,546	20,144	10,256	10,579	12,147
Una	1,54,000	1,54,199	28,650	28,598	19,882	10,152
H. P. State Total	55,67,300	33,67,596	10,38,989	1,83,794	1,93,186	1,25,157

NO. II

Himachal Pradesh (State) for the year 1990-91

(In hectares)

CATION

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
42,433	89	1,619	900	32,440	27,302	59,742
3,53,462	23	2,291	316	41,777	23,201	64,978
362	—	6,848	535	40,158	39,161	79,319
46,960	4,597	7,957	388	1,20,073	94,725	2,14,798
1,53,729	98	1,656	291	7,569	1,539	9,108
675	310	2,060	321	36,881	23,769	60,650
95,403	121	65	130	3,143	76	3,219
1,02,166	198	2,251	254	95,417	67,885	1,63,302
1,92,438	4,083	7,058	1,356	75,136	34,851	1,09,987
60,856	37,261	3,796	962	43,221	35,067	78,288
80,876	1,263	4,407	646	41,028	28,992	70,020
6,877	125	4,682	9,279	45,954	24,234	70,188
11,35,437	48,168	44,690	15,378	5,82,797	4,00,802	9,83,599

TABLE

Sources of water supply and area irrigated therefrom

District	KUHLS			
	Government		Private	
	Number	Length in kilometre	Number	Length in kilometre
1	2	3	4	5
Bilaspur	78	—	859	—
Chamba	237	—	789	—
Hamirpur	43	—	318	—
Kangra	924	—	2,297	—
Kinnaur	322	—	348	—
Kullu	37	—	243	—
Lahaul and Spiti	119	—	433	—
Mandi	2,365	—	1,681	—
Shimla	919	—	364	—
Sirmaur	579	—	1,360	—
Solan	780	—	1,711	—
Una	17	—	72	—
H.P. State Total	6,420	—	10,475	—

Note.—The No's of sources of irrigation are as per census of Minor Irrigation 1986-87.

NO. III-A

in each District of Himachal Pradesh (State) in 1990-91

District	Wells							No. of wells used for domestic purposes only	No. of wells not in Reser-voirs		
	Tube wells			No. of other wells used for irrigation purposes only							
	Government	Deep Tube Well	Total	Govt.		Private				Total	
				Masonry	Non-Masonry	Masonry	Non-Masonry				
6	7	8	9	10	11	12	13	14	15	16	
Bilaspur	30	9	39	—	—	190	—	190	—	—	—
Chamba	—	—	—	—	—	—	—	—	—	—	—
Hamirpur	31	—	31	—	—	182	—	182	—	—	—
Kangra	55	—	55	—	—	25	—	25	—	—	—
Kinnaur	—	—	—	—	—	—	—	—	—	—	—
Kullu	—	1	1	—	—	5	—	5	—	—	—
Lahaul and Spiti	—	—	—	—	—	—	—	—	—	—	—
Mandi	26	—	26	—	—	20	—	20	—	—	—
Shimla	—	—	—	—	—	199	—	199	—	—	—
Sirmaur	79	68	147	—	—	285	—	285	—	—	—
Solan	175	55	200	—	—	1,203	—	1,203	—	—	—
Una	879	76	955	—	—	—	—	—	—	—	—
H.P. State Total	1,275	179	1,454	—	—	2,109	—	2,109	—	—	—

District	Tanks							Net area irrigated by									
	Tanks			No. of oil engines	Government canals	Private canals	Tanks	Total	%	No. of wells having independent ayacuts	%	No. of wells supplementary recognised sources of irrigation	%				
	With Ayacut 100 hectares or more	With Ayacut less than 100 (in hectares)	Total														
1	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
Bilaspur	5	—	5	28	628	—	741	—	—	—	—	—	—	—	—	—	—
Chamba	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hamirpur	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Kangra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Kinnaur	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Kullu	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lahaul & Spiti	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mandi	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Shimla	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sirmaur	2	4	4	—	4,168	—	13	—	—	—	—	—	—	—	—	—	—
Solan	1	—	1	—	2,758	—	650	—	—	—	—	—	—	—	—	—	—
Una	5	—	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—
H.P. State Total	14	4	18	28	7,554	—	1,404	—	—	—	—	—	—	—	—	—	—

District	(in hectares)			% 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	% of area irrigated by having independent ayacuts to the total area irrigated
	Wells	Other sources	Total							
1	24	25	26	27	28	29	30	31	32	33
Bilaspur	287	1,233	2,889	—	2,551	5,440	—	—	—	—
Chamba	—	278	5,278	—	1,080	6,358	—	—	—	—
Hamirpur	—	766	1,766	—	1,467	3,233	—	—	—	—
Kangra	—	511	42,511	—	29,584	62,095	—	—	—	—
Kinnaur	—	222	4,222	—	912	5,134	—	—	—	—
Kullu	—	278	2,118	—	—	2,118	—	—	—	—
Lahaul & Spiti	—	—	3,143	—	76	3,219	—	—	—	—
Mandi	—	—	13,497	—	10,109	23,606	—	—	—	—
Shimla	—	—	4,485	—	2,696	7,181	—	—	—	—
Sirmaur	—	—	14,520	—	10,693	25,213	—	—	—	—
Solan	—	—	9,428	—	6,387	15,815	—	—	—	—
Una	—	—	5,600	—	1,775	7,375	—	—	—	—
H.P. State Total	5,773	20,726	99,457	17%	67,330	1,66,787	16.9	—	—	—

TABLE

Sources of water supply and area irrigated therefrom

District	KUHLS			
	Government		Private	
	Number	Length in kilometre	Number	Length in kilometre
1	2	3	4	5
Bilaspur	78	—	859	—
Chamba	237	—	789	—
Hamirpur	43	—	318	—
Kangra	924	—	2,297	—
Kinnaur	322	—	348	—
Kullu	37	—	243	—
Lahaul and Spiti	119	—	433	—
Mandi	2,365	—	1,681	—
Shimla	919	—	364	—
Sirmaur	579	—	1,360	—
Solan	780	—	1,711	—
Una	17	—	72	—
H.P. State Total	6,420	—	10,475	—

Note.—The No's of sources of irrigation are as per census of Minor Irrigation 1986-87.

NO. III-A

in each District of Himachal Pradesh (State) in 1990-91

District	Wells								No. of wells used for domestic purposes only	No. of wells not in use	Reservoirs
	Tube wells			No. of other wells used for irrigation purposes only							
	Government	Deep Tube Well	Total	Govt.		Private		Total			
				Masonry	Non-Masonry	Masonry	Non-Masonry				
6	7	8	9	10	11	12	13	14	15	16	
Bilaspur	30	9	39	—	—	190	—	190	—	—	—
Chamba	—	—	—	—	—	—	—	—	—	—	—
Hamirpur	31	—	31	—	—	182	—	182	—	—	—
Kangra	55	—	55	—	—	25	—	25	—	—	—
Kinnaur	—	—	—	—	—	—	—	—	—	—	—
Kullu	—	1	1	—	—	5	—	5	—	—	—
Lahaul and Spiti	—	—	—	—	—	—	—	—	—	—	—
Mandi	26	—	26	—	—	20	—	20	—	—	—
Shimla	—	—	—	—	—	199	—	199	—	—	—
Sirmaur	79	68	147	—	—	285	—	285	—	—	—
Solan	175	55	200	—	—	1,203	—	1,203	—	—	—
Una	879	76	955	—	—	—	—	—	—	—	—
H.P. State Total	1,275	179	1,454	—	—	2,109	—	2,109	—	—	—

District	Tanks			Net area irrigated by			(in hectares)			% 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 ayacut	No. of wells supplementary recognised sources of irrigation	% of area irrigated by independent ayacut to the total area irrigated
	With Ayacut 100 hectares or more	With Ayacut less than 100 (in hectares)	Total	No. of oil engines	Government canals	Private canals	Wells	Other sources	Total							
1	17	18	19	20	21	22	23	25	26	27	28	29	30	31	32	33
Bilaspur	5	—	5	28	628	—	741	1,233	2,889	—	2,551	5,440	—	—	—	—
Chamba	—	—	—	—	—	—	—	5,278	3,278	—	1,080	6,358	—	—	—	—
Hamirpur	—	—	—	—	—	—	—	1,766	1,766	—	1,467	3,233	—	—	—	—
Kangra	—	—	—	—	—	—	—	32,511	32,511	—	29,584	62,095	—	—	—	—
Kinnaur	—	—	—	—	—	—	—	4,222	4,222	—	912	5,134	—	—	—	—
Kullu	—	—	—	—	—	—	—	2,118	2,118	—	—	2,118	—	—	—	—
Lahaul & Spiti	—	—	—	—	—	—	—	3,143	3,143	—	76	3,219	—	—	—	—
Mandi	—	—	—	—	—	—	—	11,192	13,497	—	10,109	23,606	—	—	—	—
Shimla	1	—	1	—	—	—	—	4,485	4,485	—	2,696	7,181	—	—	—	—
Sirmaur	2	4	4	—	4,168	—	13	14,370	14,520	—	10,693	25,213	—	—	—	—
Solan	1	—	1	—	2,758	—	650	14,608	9,428	—	6,387	15,815	—	—	—	—
Una	5	—	5	—	—	—	—	1,609	5,600	—	1,775	7,375	—	—	—	—
H.P. State Total	14	4	18	28	7,554	—	1,404	86,726	99,457	17%	67,330	1,66,787	16.9	—	—	—

District	Rice			Total
	Autumn (Aus.)	Winter (Aman)	Summer (Boro)	
1	2	3	4	5
Bilaspur	—	—	1,152	1,152
Chamba	—	—	2,189	2,189
Hamirpur	—	—	1,014	1,014
Kangra	—	—	24,515	24,515
Kinnaur	—	—	—	—
Kullu	—	—	1,770	1,770
Lahaul and Spiti	—	—	—	—
Mandi	—	—	10,171	10,171
Shimla →	—	—	2,057	2,057
Sirmaur	—	—	3,808	3,808
Solan →	—	—	2,889	2,889
Una	—	—	243	243
H.P. State Total	—	—	49,088	49,088

NO. III-B

Himachal Pradesh (State) in 1990-91

(In hectares)

Food Crops						
Wheat	Jowar or Cholam			Bajra or Cumbu	Barley	Maize
	Rabi	Kharif	Total			
6	7	8	9	10	11	12
2,378	—	—	—	—	32	1,479
2,537	—	—	—	—	341	699
1,523	—	—	—	—	2	580
23,847	—	—	—	33	492	5,822
283	—	—	—	—	1,126	349
64	—	—	—	—	2	15
275	—	—	—	—	741	34
11,134	—	—	—	—	463	—
2,200	—	—	—	—	386	1,230
9,901	—	—	—	9	663	6,724
6,470	—	—	—	1	155	3,482
4,525	—	—	—	—	—	1,261
65,137	—	—	—	43	4,403	21,675

District	Ragi and Marua	Italian Millets	Little Millets or kutki etc	Common Gram Millets	Gram
1	13	14	15	16	17
Bilaspur	—	—	—	—	23
Chamba	—	—	—	338	—
Hamirpur	—	—	—	—	—
Kangra	—	—	—	—	33
Kinnaur	21	—	—	1,194	—
Kullu	—	—	—	—	—
Lahaul & Spiti	—	—	145	—	—
Mandi	—	21	96	5	8
Shimla	—	21	—	125	—
Sirmaur	147	—	—	62	194
Solan	—	—	—	—	64
Una	—	—	—	—	19
H.P. State Total	168	42	241	1,724	350

Condiments and Spices

Green gram or Mung, Red gram or Pur (Arhar)	Horse gram	Masur	Sugarcane	Potato	Misc. food crops	Carda- mum	Chillies	Ginger	Onion
18	19	20	21	22	23	24	25	26	27
—	3	1	22	14	196	—	—	43	—
—	62	—	—	98	—	—	—	2	25
—	—	—	18	2	54	—	—	1	—
—	28	32	57	1,016	—	—	25	8	—
—	—	2	—	135	1,978	—	—	—	—
—	—	—	—	10	233	1	4	—	—
—	808	—	—	1,094	47	—	—	—	—
—	5	32	—	53	696	—	17	3	—
—	7	4	—	193	807	—	42	43	—
1	50	145	405	421	1,388	—	68	482	—
24	7	121	132	1,243	428	—	1	136	—
—	—	7	123	191	35	—	1	—	—
25	970	344	757	4,470	5,815	1	158	718	25

TABLE NO.

Area of crops irrigated in each District of

District	Non-Food					
	Condiment and Spices			Total Condi- ment and Spices 31	San Hemp 32	Ground- nut 33
	Turmeric 28	Others 29	Total 30			
Bilaspur	2	—	45	5,345	—	—
Chamba	—	8	35	6,299	—	—
Hamirpur	—	5	6	3,199	—	—
Kangra	6	—	39	55,919	—	—
Kinnaur	—	—	—	5,088	—	—
Kullu	—	—	5	2,099	—	—
Lahaul and Spiti	—	—	—	3,097	—	—
Mandi	2	10	32	22,716	—	—
Shimla	—	—	85	7,119	—	—
Sirmaur	—	111	661	23,859	3	13
Solan	—	—	137	15,153	1	10
Una	—	11	12	6,416	—	—
H.P. State Total	10	145	1,057	1,56,309	4	23

District	Non-Food				
	Opium 46	Cinchona 47	Cotton		
			Desi 48	American 49	Total 50
Bilaspur	—	—	—	—	—
Chamba	—	—	—	—	—
Hamirpur	—	—	—	—	—
Kangra	—	—	4	—	4
Kinnaur	—	—	—	—	—
Kullu	—	—	—	—	—
Lahaul and Spiti	—	—	—	—	—
Mandi	—	—	—	—	—
Shimla	—	—	—	—	—
Sirmaur	—	—	7	—	7
Solan	—	—	30	—	30
Una	—	—	—	—	—
H.P. State Total	—	—	41	—	41

III-B—concl.

Himachal Pradesh (State) in 1990-91

(In hectares)

Crops											
Coco- nut 34	Sesa- mum 35	Rape 36	Mus- tard 37	Lin- seed 38	Caster 39	Indigo 40	Rubber 41	To- bacco 42	Coffee 43	Tea 44	Indian Hemp 45
—	4	4	22	—	—	—	—	—	—	—	—
—	1	—	9	49	—	—	—	—	—	—	—
—	—	1	—	—	—	—	—	—	—	—	—
—	116	—	145	2,978	—	—	—	—	—	1,269	—
—	—	—	18	—	—	—	—	—	—	—	—
—	—	2	—	—	—	—	—	1	—	—	—
—	—	—	7	—	—	—	—	—	—	—	—
—	—	—	55	391	—	—	—	4	—	—	—
—	2	54	2	—	—	—	—	—	—	—	—
—	63	10	156	—	—	—	—	8	—	—	—
—	99	—	186	—	—	—	—	—	—	—	—
—	8	13	116	—	—	—	—	4	—	—	—
—	293	84	716	3,418	—	—	—	17	—	1,269	—

Crops—concl.

Fodder Crops 51	Miscellaneous non-food crops 52	Total non-food crops 53	Total area under irrigated crops 54
64	1	95	5,440
—	—	59	6,358
33	—	34	3,233
1,664	—	6,175	62,095
—	28	46	5,134
16	—	19	2,118
—	115	122	3,219
437	3	890	23,606
—	—	62	7,181
1,081	—	1,354	25,213
330	—	723	15,815
488	—	959	7,375
4,011	—	10,478	1,06,787

INTRODUCTION

In the present era of planning the importance of Agriculture Statistics as a prime mover cannot be over emphasised. 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 utilisation, cropping pattern, total out-put 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 1990-91 is an annual publication of the State Government delineating therein in the district-wise important Agriculture Statistics viz, landuse classificatin, month-wise and season-wise rainfall data, Source-wise net irrigated area, Crop-wise gross irrigated area, detailed break-up of cropping pattern and production, following by a brief survey on prevailing farm harvest prices and Agricultural Wages and data on quinquennial Live Stock Census, 1988. The Report commences with summary tables of the aforesaid Statistics for the proceeding four years and with the current year i.e. 1990-91 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 tones.

Physical Features :

Himachal Pradesh one of the most picturesque regions of the country and land of mightly rivers and snows is situated in the lap of Himalayan ranges in north-west of India. It is bordered by Jammu and Kashmir in north, Punjab in the west and south-west and Tibet in the east. It is situated between 30°-22'-44" to 33°-12'-44" north latitude, and 75°-45'.44" to 79°-04'-20" east longitude in and in altitudes ranging from 350 m. to 6,975m. height from the mean sea level.

The State 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 Bhghat, Bhajji Beja, Balsan, Bushali, Chamba, Darkoti, Delath, Dhadi, Dhami, Chud, Jubbal, Khaneti, Keonthal, Kotli, Kumarsain, Kuniyar, Kutha, Mandi, Madhan, Mahlog, Mangal, Ratesh, Rawingarh, Sangri, Sirmour, Suket, Theroch and Theog. At that time the State has four Disrriacts viz. Chamba, Mahasu, Mandi, Sirmour and its area was 27,16,850 hectares, In 1954 the neighbouring 31st

State of Bilaspur was intergrated 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 re-organisation of Punjab State in 1966, four more hill Districts, namely Kangra, Kullu, Lahaul & Spiti and Shimla Nalagarh 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 per cent. On 25th January 1971 this Pradesh was given the status of Full-fleged state. On 1st September, 1972 two more Districts viz. Hamirpur and Una were carved out of Kangra district and Solan was also named as a district dropping Mahasu district. Thus, at present, this full-fleged 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 division Shimla, Mandi and Dharmshala having inturn 45 Sub-Divisions. The Sub-Divisions are further divided into 67 Tehsils and 36 Sub-Tehsils with an area of 55, 673 square Kilometres. The State Headquarters are located at Shimla, the queen of hills.

Climate and Agro Climatic Zones:

Himachal Pradesh, as its name suggests, lies in the lap of the Himalay as, 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 snowfall the entire hilly landscaps into one stretch of shimmering white. The rivers abound in fish and provide boating and fishing and the forests harbour wildlife of a large variety ibex, that serow, ghoral, bear and in certain afea, snow-leopard.

Five rivers flow through this hill state viz, Beas in Kullu, Mandi and Kangra, Setluj 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 foot, hills, the shivaliks rising no more than 610 to 1220 metres. The inner ranges, are 1220 to 3660 metres high and the northern most, the Pirpanzal ranges south 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. They are suitable for Horticulture.
- (iii) *High Hills*.—These areas lie between 2000 and 3500 metres and are sparsely populated. They are good for raising forests.
- (iv) *Alpine Zones*.—Above 3500 meters. They one good for grazing forests.
- (v) *The land of snows*.—Without vegetation.

Season-wise Rainfall Conditions.

Table-1 of the report under review eptomises month-wise rainfall data of the calender year 1990 with corresponding rainfall for each month. The table simultaneously reveals the season-wise rainfall aggregate with corresponding normal exhibited in the adjoining columns. A quick glance at the total Annual State Rainfull leads one to infer that the total rainfall has ben adequate.

The average total annual rainfall recorded during the year, 1990 in the State was 1514.3 mm as against 1219.6 mm normal rainfall and this rainfall was 24.2 per cent more than the normal rainfall. The highest average rainfull of 2488 mm was recorded in district Kangra as against its 2111.4 mm normal rainfall with average number of rainy days of 77.0 as against 75.0 of the State rainy days. This increase in rainfall from the normal was 50 per cent. The second district recording highest was Mandi where an average rainfall of 2168.6 mm was reported as against 1580.6 mm of normal rainfall. This annual average rainfall was 37.2 per cent more than the normal. The third place in order of highest rainfall was of district Sirmour which recorded 1991.6 mm of annual average rainfall against 1861.1 mm of normal rainfall and it was 6.9 per cent more than the normal rainfall.

On the side of lowest recording of average annual rainfall district Lahaul-Spiti, Kinnaur and Kullu were first, second and third respectively. In these districts, the average annual rainfall of 519.2, 749.5 and 1188.4 mm respectively was recorded. 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 all the Districts was much higher than the corresponding normals, which indicated that the weather conditions in few districts were favourable but in other districts excessive rains effected the cropped area and growth of crops.

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 months i.e. from 1st January to 28th February and during this season according to local cultivating conditions of the Pradesh, the Rabi Crops which are usually sown in post-Monsoon Season, starts growing after germinaton. 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 154.4 was recorded as against 154.9 mm of normal rainfall. The highest rainfall of 268.40 mm during this season was recorded in district Kullu and lowest rainfall of 93.1 m.m recorded was in district Mandi.

The average number of rainy days during this season was 10.6 against 7.5 of the corresponding period of last year and number of such rainy days (i.e. 20) was highest in district Shimla and the lowest number of rainy days (8.0) were in district Solan and Kinnaur.

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) starts 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 268.9 was recorded as against 174.3 mm normal rainfall and this rainfall was 54.0 per cent above the normal. In the district Bilaspur, Hamirpur, Kinnaur, Shimla, Solan the total rainfall recorded during this season was much more than the corresponding normals. During this season the average number of rainy days for the state was 17.3 as against 10.3 of the corresponding period of the last year with highest number of rainy days 26 for district Kullu and lowest number of rainy days 11.0 for district Una. After completing the harvest operations for Rabi Crops during this season, the farmers starts preparing their fields by applying manures and ploughs for transplantation of paddy and sowing the 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 seasons 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 all the districts the rainfall was above the corresponding normals of the districts, the rainfall was timely and fairly distributed.

During the season a rainfall of 944.5 mm was recorded in the state as against 896.4 mm of the normal rainfall and, it was above the normal by 5 per cent. This amount of rainfall during Monsoon season shared 62% of the total rainfall recorded during the year. The highest rainfall of 1869.0, 1501.4 and 1435.8 mm was recorded in district Kangra, Mandi and Sirmour respectively and this rainfall was also higher to the corresponding normals in all the districts.

Like amount of rainfall the highest number of rainy days was also recorded during this season and this number was 40.8 days as against 23.6 rainy days of the last year. These rainy days were 70% of the total average rainy days of the year, 1990.

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.

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 146.4 mm was recorded in the State as against 98.8 mm of normal rainfall and this amount of rainfall was 48.9 per cent more than the corresponding normal in each districts except Kinnaur. The first three districts recording highest rainfall were Chamba, Sirmour and Kangra where 217.2, 199.2 and 188.7 mm rainfall was recorded respectively.

In the month of October there were rains in all the districts except Bilaspur and Kullu districts of the Pradesh and this rainfall was much below the corresponding normals in these districts. In the month of November there were rains in all the districts of the Pradesh and the rainfall recorded, was below the corresponding normals in districts except Kinnaur, Shimla and Sirmour. During the month of December of this season, a total average rainfall of 130.8 mm was reported for the State and this amount was higher than the corresponding normal by 323%. 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 December of post-Monsoon Season. Thus there were rains in all the districts during post Monsoon Season.

Classification of Area Land Utilisations :

Land resources of a place are not so much dependent on the extent of geographical area available but 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. Land use 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 33,67,596 hectares revealing thereby that the remaining difference of 21,99,704 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 39.5 per cent of the total geographical area. Although the adhoc estimate of such areas are available, yet, in actuality, this difference in area would be wiped out only 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 land use categories. The land use classification for the current year—viz the preceding year 1988-89 has been tabulated below along with 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% of the total reporting area, leaving the remaining 19 per cent area to other categories of land such as barren and un-culturable land, land put to non-agriculturable uses, culturable waste and fallow land 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 1988-89 as per revenue records is 9.24 lakh hectares. The difference between two sets of figures is normal in the districts where the settlement operations have been completed. The minimisation of this huge difference between two sets needs adoption of uniform definition of category of Forest 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 Settlement 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.—1 Classification of Reporting Area for the year 1990-91 and 1989-90.

Category	1990-91		1989-90	
	Area in '000 Hect.	Percentage to total reporting area	Area in '000 Hect.	Percentage to total reporting area
1	2	3	4	5
1. Forest	10,38,939	30.9	10,40,863	30.9
2. Barren and un-culturable land	1,83,793	5.4	1,77,778	5.2
3. Land put to non-agri. uses.	1,93,186	5.8	7,92,275	5.7
4. Culturable waste	1,25,157	3.7	1,26,758	3.7
5. Permanent pastures & other grazing lands.	11,35,437	33.7	11,27,635	33.4
6. Miscellaneous tree groves and groves not included in net area sown.	48,168	1.4	45,883	1.3

	1	2	3	4	5
7. Current fallows		44,690	1.3	48,770	1.4
8. Other fallow land		15,378	0.4	25,205	0.7
9. Net area sown		5,82,797	17.4	5,81,967	17.2
10. Total reporting area		33,67,906	—	33,67,634	—
11. Gross area sown		9,83,599	29.2	9,70,658	28.8
12. Area sown more than one		4,00,802	11.9	3,88,691	11.5

The summation of these nine land use classifications 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. It further indicated that about .68 per cent of the net area sown was utilised more than once during the current year.

The comments on nine-fold land use classification along with 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 and 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 come 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.

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.

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 isolated blocks or within cultivated holdings.

This account for only 5.4 per cent of the total reporting area during the year 1990-91 and there was an nominal decrease of 0.2 per cent as compared to the last year which needs no comments.

Land put to Non-Agriculturable Uses:

This includes all land occupied by free holdings roads and railways or under water e.g. rivers and canal and other lands to uses other than that of agricultural. The land under this category accounted for 5.8 per cent of the total reporting area and there has been no increase as compared to the previous year.

The land under this category as well as under barren and un-culturable land together constitutes that category of land which is generally not available for culturable 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 un-assessed 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 form 3.7 per cent of the total reporting area. There was an increase of 1601 hectares in this category as compared to the last year area and it was about 1% and thus no comments.

Permanent pastures and other grazing land:

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 form 33.7% 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 1989-90 compared to the last year was 7802 hectares or less than one 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, thatching 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 1.4 per cent of the total reporting area. The increase under this category was of 2285 hectares or about 4.7 per cent as compared to last year 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 1.3 per cent of the total reported area. The variation decreases under this category of land as compared to last year was of 4080 hectares. The reasons for this nominal variation are due to increase in net area sown 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 canals and rivers, and (v) unremunerative nature of farming.

The area under this category was just 15,378 hectares and it decreased from the previous years figure by 9827 hectares.

Net Area Sown:

This represents the net area sown will crops i. e. net geographical area under the crops and orchards. The area under this category during the year 1990-91 was 5,82,797 hectares and constituted about 17.3 per cent of the total reporting area and there was increase of 830 hectares under this category as compared to the last year. In percentage this increase was less than one per cent 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 1990-91 was 4,00,802 and increased by the last years figures by 12,111 hectares. In percentage this decrease was about 3.1 percent which is nominal and hence no comments.

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 crops. As compared to the last year, the area under this category had increased by 12,941 hectares. In absolute terms the area stood at 9,83,599 hectares in comparison to 9,70,658 hectares of the last year. The increase in total cropped area with regard to corresponding area of last year was about 1.3 per cent 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 agroclimatic 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 and Spiti and Shimla districts, intensive cultivation was not done as these districts have less than 150 per cent intensity of cropping. In the valleys, Shiwalik 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 per cent 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, 1990-91 has been compared in Table-2.

Table-2 Intensity of cropping in each districts for the year 1990-91 compared to the year 1989-90.

Name of District	Intensity of cropping 1990-91	Net area sown 1990-91	Total cropped area 1990-91	Intensity of cropping 1989-90
	3	4	5	6
Bilaspur	184.1	32,440	59,742	191.4
Chamba	155.5	41,777	64,978	154.9
Hamidpur	197.5	40,158	79,319	194.3
Kangra	178.8	1,20,073	2,14,798	174.5

	1	2	3	4	5	6
5. Kinnaur			120.3	7,569	9,108	117.8
6. Kullu			164.4	36,881	60,650	155.5
7. L/Spiti			102.4	3,143	3,219	106.8
8. Mandi			171.1	95,417	1,63,302	178.2
9. Shimla			146.3	75,136	1,09,987	140.4
10. Sirmour			181.1	43,221	78,288	177.9
11. Solan			170.6	41,028	70,020	165.1
12. Una			152.7	45,954	70,188	149.4
Total	..		168.7	5,82,797	9,83,599	166.7

Total Cropped Area

Net Area Sown

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

Intensity of Cropping of the state for the year under review is 168.7 per cent though there was wide inter districts variation. The intensity of cropping during last year was 166.7 per cent. The district L/Spiti though with almost cent per cent assured irrigation, had a low cropping intensity of 102.4 per cent 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 97.5 per cent area was sown more than once. The district in the descending orders of intensity of cropping were Hamirpur, Bilaspur, Sirmour, Kangra, Mandi, Solan, Kullu, Chamba, Una, Shimla and L/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 less as the intensity of cropping of last year by about 1.2.

The Intensity of cropping for the last five years of is given in Table-3.

Table-3 Table showing the intensity of cropping for a period of the Five Years (1986-87 to 1990-91).

Sl. No.	Name of District	Intensity of Cropping for the year				
		1986-87	1987-88	1988-89	1989-90	1990-91
1.	Bilaspur	190.0	190.0	187.1	191.4	184.1
2.	Chamba	154.0	157.7	159.4	154.9	155.5
3.	Hamirpur	193.6	192.0	191.0	194.3	197.5
4.	Kangra	182.0	183.4	172.4	174.5	178.8
5.	Kinnaur	132.4	125.0	124.3	117.8	120.3
6.	Kullu	163.7	161.0	163.6	155.5	164.4
7.	L/Spiti	105.4	104.8	102.4	106.8	102.4
8.	Mandi	161.0	167.3	166.7	178.0	171.1
9.	Shimla	147.1	144.6	147.1	140.4	146.3
10.	Sirmour	182.1	177.4	180.9	177.9	181.1
11.	Solan	166.8	163.2	167.6	165.1	170.6
12.	Una	171.7	168.2	175.0	149.4	152.7
State	..	169.2	169.26	168.28	158.8	168.7

The percentage on net area sown to the total reporting area was 17.3 per cent as compared to the 17.2 per cent of the last year of the state as whole.

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

The net irrigated area during 1990-91 was 99,470 hectares. There was increase of 71 hect. which is negligible in the net area irrigated as compared to previous year. The Kuhls constitute the major source of irrigation in the state and accounted for 71.3 per cent of the total net irrigated area during the year, 1990-91. These small water channels, called Kuhls are made by making notches on the river and water sources and the water is thus lead 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 about 23.4 per cent of the total irrigated area in the year under review. The net are irrigated to the area sown was 17 per cent during the current year as compared to the 17.0 per cent of the last year. The gross area irrigated under current year was 1,66,787 hectares as against 1,75,842 hectares of the last year which gave decrease of 9,055 hectares or 5.4 per cent. The percentage of gross area irrigated to the gross cropped area was 16.9 as against 18.1 per cent of the last year.

Cropping Pattern—IV-A&B :

Cropping pattern indicates the level of development and the economic prosperity of the state in the Agricultural Sector. It deals with type of crops 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 increase in the total outturn. The study of cropping pattern is of greater significance for planning, rational and balanced programme of crops.

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, 38.2 per cent of the grown 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 the second important crop in the state and is grown in the interior parts. Only 2.9 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 people. It ranked third in order of the area point of view and it shared 3.82 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 on-set of monsoon and is harvested during the month of October and November. This crop is almost grown in all the districts except L/Spiti. In order of ranking with regard to growing of this crop district Kangra, Mandi and Hamirpur were first three districts.

Maize:

Maize is another important crop of the Kharif season covering 31.1 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 rained 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, Ojla, Kangli, Chena, 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 1.5 per cent of the gross cropped area.

Total Pulses:

According to the Table 4-A of the report only 4.0 per cent of the total gross cropped area came under total pulses head as against similar percentage of 4.1 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. Shimla, Kangra and Sirmaur 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 large chunk of area of the state is 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, Sirmaur and Una the fruits like Banana, Mango and Citrus fruits are also grown. Among these fruits apple occupy the first place and shared 3.3 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-Red, Red and Golden have no equal match in the country. Out of 43,036 hectares area under fresh and dry fruits the area apple was 33,303 hectares of 77.3 per cent. Shimla district having considerable share, ranking hereby first.

Total Vegetable:

Only about 2.9 per cent 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 by 54.6 per cent. Thus potato is the main cash crop in H.P. and was grown almost in all the districts of the state. District Shimla/Mandi/Sirmaur and L/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. The share of other vegetables like Peas, Cauliflower, Tomato, Onion, Cabbage, etc. was 45.4 per cent of the total area under the vegetable crops in Himachal Pradesh. The climate and topographical conditions for 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 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 95.1 per cent of the total cropped area as against similar 96.5 per cent of the last year. The margin of total cropped area left for non-food crops was 4.9 per cent.

Total Non-Food Crops:

In the state as whole only 4.9 per cent of area came under non-food crops. The non-food crops constitute Rape and Mustard, Linseed, Groundnut, Sesamum, Tobacco, Tea, Cotton and Sunhemp etc. Tea is grown in Palampur tehsil of District Kangra and Tehsil Jogindernager of Mandi district. The total area under tea in these areas was 22.52 hectares i.e. about 6.6 per cent of the total area under non-food crops. The quality of the 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. 49.3 per cent is covered by total oil seeds leaving thereby about 50.7 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 i.e. Wheat, Rice, Maize and Barley for the current year as well as for the preceding year 1989-90. 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 kanungos as the lowest stratum. The execution of these experiments is under the charge of Director of Agriculture, Himachal Pradesh while the execution of the field work is done by both the departments i.e. Forest and Agriculture. The average yield of four major crops for the 1989-90 and 1988-89 was as given in Table-9.

Table 9.—Average yield per hectare in Kgo. for important crops:—

Sl. No.	Name of the Crops	Yield per hectare in	
		1990-91	1989-90
1.	Wheat	1579	1467
2.	Rice	1254	1068
3.	Maize	2052	2125
4.	Barley	1470	1294

The yield rates of all these crops were found to be higher as compared to the rates of last year except that of maize.

Besides the crop cutting experiments by Random Sampling Method, these experiments are also conducted by traditional method under chapter 15 of the Himachal Pradesh Land Records Manual. According to this method average field of average village in assessment circles are 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 yields per hectares of different crops are worked out by the Government as well as by Agricultural Deptt. are utilised for working out the total out-turn. These normals are based on the five years average. On each crop at least two experiments are required to be conducted by the each Revenue Officer.

The total production of cereals in the state increased to 14.20 lakh MT from 13.57 lakh MT of the previous year and thus there is an increase of 4.6 per cent. But total production in the state in respect of pulses also decreased to the extent of 383 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 142 lakh M. T. i.e. 9.9 per cent. The production of non-food crops also decreased from 8634 M. T. of the last year to 6873 M.T. during the current year. The major reasons for such a fall in the total production was that the production of potato crop decreased to 50% of the total production of crops the four major crops alone i.e. Wheat Barley, Maize and Paddy contributed 98.1 per cent and rest of the contribution of 1.9 per cent 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/Government 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 forecast has been introduced in the entire country. As envisaged in chapter 13 of the Himachal Pradesh Land Records Manual. Para-1 all forecast along with

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 prospects 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 price Table-11:

Table-11. gave a comprehensive data of farm, harvest prices for the year 1990-91 and 1989-90 of main crops.

Table-11.—Statement of Farm Harvest prices of importance crops for the year, 1990-91 vis-a-vis, 1989-90.

Sl. No.	Crop	Price of the crop at farm site (per quintal)	
		1990-91	1989-90
1.	Rice	327.00	322.00
2.	Wheat	286.00	257.00
3.	Barley	254.00	223.00
4.	Maize	233.00	221.00
5.	Gram	930.00	883.00
6.	Sugarcane (Gur)	504.00	319.00
7.	Groundnut	1017.00	907.00
8.	Rape	1184.00	866.00
9.	Mustard	—	1033.00
10.	Tobacco	812.00	681.00

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 Himachal Pradesh Land Records Manual. Accordingly the farm prices of a commodity are defined as the average whole sale price at which the commodity is disposed off by 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 all the crops in general.

Agricultural Wages—Table-12:

Table-12 gave 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 1990-91 and 1989-90.

Sl. No.	Category of Labour	1990-91	1989-90
1.	Carpenters	44.00	41.00
2.	Blacksmiths	40.00	37.00
3.	Cobblers	38.00	32.00
4.	Field Labour	26.00	24.00
5.	Other Agricultural Labour	24.00	21.00
6.	Herdsmen	22.00	20.00

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 centre of each district. The wages are collected on the prescribed proforma on monthly and average rates of these wages computed in the report, have been compiled on the basis of these monthly statements.

TABLE NO.

Area Under Food Crops in each District of

District	Cere					
	Rice					
	Autumn (Aus)		Winter (Aman)		Summer (Boro)	
	Current	Normal	Current	Normal	Current	Normal
	1	2	3	4	5	6
Bilaspur	—	—	—	—	2,867	3,211
Chamba	—	—	—	—	2,963	3,049
Hamirpur	—	—	—	—	3,533	3,894
Kangra	—	—	—	—	37,235	37,207
Kinnaur	—	—	—	—	20	28
Kullu	—	—	—	—	2,285	2,724
Lahaul & Spiti	—	—	—	—	—	—
Mandi	—	—	—	—	22,308	24,325
Shimla	—	—	—	—	3,610	4,693
Sirmaur	—	—	—	—	5,014	5,034
Solan	—	—	—	—	3,646	452
Una	—	—	—	—	1,458	2,862
H.P. State Total	—	—	—	—	84,939	91,548

District	Cere							
	Bajra or Cutmbu		Barley		Maize		Ragi or Marua	
	Current	Normal	Current	Normal	Current	Normal	Current	Normal
	18	19	20	21	22	23	24	25
	1	2	3	4	5	6	7	8
Bilaspur	—	—	463	456	25,604	24,746	—	—
Chamba	1	—	4,075	4,094	28,267	28,082	85	158
Hamirpur	—	—	198	177	38,309	31,817	14	17
Kangra	46	37	3,255	3,630	56,426	56,862	—	—
Kinnaur	—	—	1,638	1,685	493	520	163	191
Kullu	—	—	3,506	3,975	17,636	16,387	—	—
Lahaul & Spiti	—	—	741	164	34	17	—	—
Mandi	—	—	4,624	41,947	49,058	44,287	2,085	2,003
Shimla	—	—	5,947	5,993	21,084	22,163	3,017	3,067
Sirmaur	15	13	2,801	2,885	25,966	25,881	580	599
Solan	2	1	1,978	1,739	27,869	25,350	—	—
Una	—	—	69	34	28,365	30,748	—	—
H.P. State Total	64	51	29,295	29,779	3,19,111	3,06,860	5,944	6,035

IV-A.

Himachal Pradesh (State) in 1990-91

als	Cere									
	Total		Wheat		Jowar or Cholan				Total	
					Rabi		Kharif			
	Current	Normal	Current	Normal	Current	Normal	Current	Normal	Current	Normal
	8	9	10	11	12	13	14	15	16	17
—	—	26,769	26,232	—	—	—	—	—	—	
—	—	19,259	18,712	—	—	—	—	—	—	
—	—	35,504	32,635	—	—	—	—	—	—	
—	—	91,547	89,097	—	—	—	—	—	—	
—	—	795	998	—	—	—	—	—	—	
—	—	20,717	19,288	—	—	—	—	—	—	
—	—	275	50	—	—	—	—	—	—	
—	—	66,310	65,517	—	—	—	—	—	—	
—	—	29,821	31,350	—	—	—	—	—	—	
—	—	29,055	29,053	—	—	6	—	6	—	
—	—	24,452	23,538	—	—	—	—	6	—	
—	—	31,774	31,700	—	—	—	—	—	—	
—	—	3,76,278	3,68,170	—	—	6	—	6	—	

als—contd.

als	Cere							
	Italian millets		Kodo or Varagu		Common millet		Common and Little Millets	
	Current	Normal	Current	Normal	Current	Normal	Current	Normal
	26	27	28	29	30	31	32	33
	1	2	3	4	5	6	7	8
—	—	—	—	—	—	2	—	
—	—	—	—	—	—	1,880	2,309	
—	—	—	—	—	—	—	413	
—	—	—	—	—	—	2,666	3,331	
—	—	—	—	—	—	2,366	2,475	
—	—	—	—	—	—	145	140	
337	—	—	—	—	—	1,118	1,401	
—	—	—	—	—	—	6,997	7,523	
—	—	—	—	—	—	435	598	
—	—	—	—	—	—	—	3	
337	—	—	—	—	—	15,609	18,193	

TABLE

Area under Food Crops in each District of

District	Cereals—concl'd.						Total Cereals	
	Other Cereals				Total			
	Kharif		Rabi				Current Normal	
	34	35	36	37	38	39	40	41
Bilaspur	—	—	—	—	—	—	55,705	54,645
Chamba	—	—	—	—	—	—	56,530	56,404
Hamirpur	—	—	—	—	—	—	77,558	68,540
Kangra	—	—	—	—	—	—	1,88,509	1,87,246
Kinnaur	—	—	—	—	—	—	5,775	6,753
Kullu	—	—	—	—	—	—	46,510	44,849
Lahaul and Spiti	—	—	—	—	—	—	1,195	371
Mandi	—	—	—	—	—	—	1,45,840	1,42,480
Shimla	—	—	—	—	—	—	70,476	74,789
Sirmaur	—	—	—	—	—	—	63,872	64,063
Solan	—	—	—	—	—	—	57,947	55,152
Una	—	—	—	—	—	—	61,666	65,344
H.P. State Total	—	—	—	—	—	—	8,31,583	8,20,636

District	Pulses					
	Horse Gram		Masur		Other	
	Kharif					
	Current	Normal	Current	Normal	Current	Normal
50	51	52	53	54	55	
Bilaspur	222	201	21	20	122	119
Chamba	1	1	103	96	1,003	906
Hamirpur	372	350	75	63	9	7
Kangra	772	675	413	411	459	450
Kinnaur	—	—	2	1	771	700
Kullu	—	—	50	43	1,595	1,475
Lahaul and Spiti	—	—	—	—	808	741
Mandi	725	609	453	413	1,178	1,007
Shimla	1,003	975	147	131	1,624	1,521
Sirmaur	670	650	682	615	237	201
Solan	738	721	221	205	178	165
Una	137	123	136	115	22	17
H.P. State Total	4,640	4,305	2,303	2,113	8,006	7,309

NO. IV-A—cont'd.

Himachal Pradesh (State) in 1993-91—cont'd.

District	Pulses							
	Gram		Green Gram or Mung		Red Gram or Tur (Arhar)		Black Gram or Urd (Mash)	
	Current	Normal	Current	Normal	Current	Normal	Current	Normal
	42	43	44	45	46	47	48	49
Bilaspur	590	970	4	3	1	1	764	701
Chamba	1	2	3	2	—	—	2,607	2,506
Hamirpur	91	136	—	—	—	—	553	495
Kangra	719	1,089	—	—	—	—	3,751	3,275
Kinnaur	—	—	—	—	—	—	31	27
Kullu	40	46	—	—	—	—	1,813	1,750
Lahaul and Spiti	—	—	—	—	—	—	—	—
Mandi	78	134	8	7	1	1	2,196	2,085
Shimla	27	28	—	—	—	—	3,610	3,575
Sirmaur	668	682	4	3	4	3	1,427	1,405
Solan	588	3,032	—	—	490	465	1,917	1,895
Una	570	994	91	85	—	—	1,236	1,211
H.P. State Total	3,372	7,113	110	100	496	470	19,724	18,925

—concl'd.

District	Pulses					
	Rabi		Total		Total Pulses	
	Current	Normal	Current	Normal	Current	Normal
	56	57	58	59	60	61
Bilaspur	—	—	122	119	1,724	2,015
Chamba	—	—	1,003	906	3,718	3,513
Hamirpur	—	—	9	7	1,100	1,051
Kangra	51	47	510	597	5,985	5,947
Kinnaur	178	175	949	875	982	903
Kullu	56	51	1,651	1,526	3,554	3,365
Lahaul and Spiti	—	—	808	741	808	741
Mandi	3	2	1,181	1,009	4,642	4,258
Shimla	4	3	1,628	1,524	6,415	6,233
Sirmaur	1,039	975	1,276	1,176	4,731	4,534
Solan	—	—	178	165	4,432	6,483
Una	—	—	22	17	2,191	2,545
H.P. State Total	1,253	937	8,562	39,987	41,588	

TABLE NO.
Area under Food Crops in each district of

District	Fruits and	
	Fresh	
	Total Foodgrains	
1	Current 62	Normal 63
Bilaspur	57,429	56,660
Chamba	60,248	59,917
Hamirpur	78,658	69,591
Kangra	1,94,494	1,93,193
Kinnaur	6,757	7,656
Kullu	50,064	48,214
Lahaul & Spiti	2,003	1,112
Mandi	1,50,482	1,46,738
Shimla	76,891	81,022
Sirmaur	68,603	68,597
Solan	62,079	61,635
Una	63,857	67,889
H.P. State Total	8,71,565	8,62,224

IV-A—contd.

(Himachal Pradesh (State) in 1990-91—contd.)

Vegetables					
Fruits					
Sugarcane		Apples		Grapes	
Current 64	Normal 65	Current 66	Normal 67	Current 68	Normal 69
76	91	—	—	—	—
—	1	1,253	1,147	—	—
139	197	—	—	—	—
131	170	—	—	—	—
—	—	1,282	1,175	14	12
—	—	6,691	6,585	—	—
—	—	13	11	—	—
—	6	3,593	3,413	—	—
—	—	19,696	18,715	—	—
807	844	770	657	—	—
274	278	5	4	—	—
1,033	1,136	—	—	—	—
2,460	2,723	33,303	51,707	14	12

District	Fruits and			
	Fresh			
	Banana		Citrus Fruits	
	Current 70	Normal 71	Current 72	Normal 73
Bilaspur	—	—	—	—
Chamba	—	—	—	—
Hamirpur	—	—	—	—
Kangra	—	—	—	—
Kinnaur	—	—	—	—
Kullu	—	—	—	—
Lahaul and Spiti	—	—	—	—
Mandi	—	—	—	—
Shimla	—	—	—	—
Sirmaur	8	7	133	125
Sola	—	—	2	1
Una	—	—	—	—
H.P. State Total	8	7	135	126

Vegetables—contd.

Fruits—contd.

Mangoes		Peaches and Pears		Other fresh fruits	
Current 74	Normal 75	Current 76	Normal 77	Current 78	Normal 79
—	—	—	—	391	367
—	—	—	—	121	101
17	15	—	—	10	5
14	11	—	—	3,481	3,187
299	276	—	—	154	135
—	—	—	—	797	605
—	—	—	—	—	—
—	—	—	—	2,059	1,901
—	—	—	—	731	603
—	—	285	276	297	213
198	176	2	1	725	615
—	—	—	—	—	—
523	478	287	277	8,766	7,732

TABLE NO.

Area under Food Crops in each District of

Fruits and

District	Dry Fruits					
	Total fresh fruits		Cashew Nuts		Other dry fruits	
	Current 80	Normal 81	Current 82	Normal 83	Current 84	Normal 85
Bilaspur	391	367	—	—	—	—
Chamba	1,391	1,263	—	—	—	—
Hamirpur	24	16	—	—	—	—
Kangra	3,780	3,463	—	—	—	—
Kinnaur	1,450	1,322	17	7	406	394
Kullu	7,485	7,190	—	—	—	—
Lahaul and Spiti	13	11	—	—	—	—
Mandi	5,652	5,314	—	—	—	—
Shimla	20,427	19,318	—	—	—	—
Sirmaur	1,686	1,454	—	—	20	15
Solan	734	621	—	—	20	15
Una	—	—	—	—	235	191
H.P. State Total	43,036	40,399	17	7	661	600

Vegetables—

District	Vegetables—									
	Vegetable—concl.				Other Vegetables					
	Sweet Potatoes		Onion		Winter		Summer		Total other Vegetables	
Current 94	Normal 95	Current 96	Normal 97	Current 98	Normal 99	Current 100	Normal 101	Current 102	Normal 103	
Bilaspur	—	—	62	62	292	196	156	137	448	333
Chamba	—	—	40	39	78	53	87	49	165	102
Hamirpur	—	—	26	37	15	7	103	87	118	94
Kangra	—	—	211	248	303	275	357	251	660	526
Kinnaur	—	—	1	—	6	3	42	36	48	39
Kullu	—	—	22	13	767	650	359	301	1,126	951
Lahaul & Spiti	—	—	—	—	—	—	19	13	19	13
Mandi	—	—	82	80	1,120	1,001	1,033	951	2,153	1,952
Shimla	—	—	—	10	1,660	1,350	2,077	1,875	3,737	3,225
Sirmaur	—	—	122	48	800	650	83	75	883	725
Solan	10	—	—	19	1,113	1,015	1,642	1,415	2,755	2,430
Una	2	—	72	56	156	141	238	235	394	376
H.P. State Total	12	—	638	612	6,310	5,341	6,196	5,425	12,506	10,766

IV-A—contd.

Himachal Pradesh (State) in 1990-91—contd.

(In hectares)

Vegetable							
Total dry Fruits				Vegetables			
Total Fruits (fresh & dry)		Potatoes		Tapioca			
Current 86	Normal 87	Current 88	Normal 89	Current 90	Normal 91	Current 92	Normal 93
—	—	391	367	27	24	—	—
—	—	1,391	1,263	541	454	—	—
—	—	24	16	4	5	—	—
—	—	3,780	3,463	1,170	924	—	—
423	401	1,873	1,723	345	359	—	—
—	—	7,488	7,190	970	1,060	—	—
—	—	13	11	1,052	461	—	—
—	—	5,652	5,314	2,258	2,024	—	—
—	—	20,427	19,318	7,881	7,715	—	—
—	—	1,706	1,469	1,247	1,228	—	—
20	15	734	621	139	168	—	—
235	191	235	191	210	284	—	—
678	607	43,714	40,946	15,854	14,706	—	—

concl.

Total Vegetables		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
537	419	928	786	—	—	—	—
746	595	2,137	1,858	5	—	—	—
148	136	172	152	—	—	—	—
2,041	1,698	5,821	5,161	—	—	—	—
394	398	2,267	2,121	—	—	—	—
2,118	2,024	9,606	9,214	—	—	—	—
1,081	474	1,094	485	—	—	—	—
4,493	4,056	10,145	9,370	—	—	—	—
11,618	10,950	32,045	30,268	30	—	—	—
2,252	2,001	3,958	3,470	—	—	—	—
2,904	2,617	3,638	3,238	—	—	—	—
678	716	913	907	—	—	—	—
29,010	26,084	72,724	67,030	35	—	—	—

TABLE NO.

Area under Food Crops in each District of

Condiments

District	Cardamoms		Chillies	
	Current	Normal	Current	Normal
	112	113	114	115
1			6	15
Bilaspur	—	—	35	33
Chamba	—	—	1	—
Hamirpur	—	—	28	64
Kangra	—	—	—	—
Kinnaur	—	—	111	117
Kullu	—	—	—	—
Lahaul & Spiti	—	—	168	304
Mandi	—	—	162	192
Shimla	—	—	257	264
Sirmaur	—	—	5	5
Solan	—	—	8	8
Una	—	—	—	—
H.P. State Total	—	—	781	1,002

TABLE NO.

Area under Non-food Crops in each District of

NON-FOOD

FIB-

Cotton

District	Cotton			
	Desi		American	
	Current	Normal	Current	Normal
1	2	3	4	5
Bilaspur	5	19	—	—
Chamba	—	—	—	—
Hamirpur	2	3	—	—
Kangra	51	73	—	—
Kinnaur	—	—	—	—
Kullu	—	—	—	—
Lahaul & Spiti	—	—	—	—
Mandi	4	—	—	—
Shimla	—	—	—	—
Sirmaur	8	12	—	—
Solan	42	83	—	—
Una	18	46	—	—
H.P. State Total	130	236	—	—

IV-A—concl.

Himachal Pradesh (State) in 1990-91—concl.

and spices

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
63	79	—	—	11	14	52	45	132	153	58,570	57,690
3	1	—	—	—	—	59	52	97	86	62,482	61,862
2	1	—	—	14	17	9	7	26	25	78,995	69,965
9	10	—	—	8	—	42	35	87	109	2,00,533	1,98,633
—	—	—	—	—	—	44	36	44	36	9,068	9,813
—	—	—	—	—	—	54	50	165	167	59,835	57,595
8	23	—	—	14	3	—	—	—	—	3,097	1,597
128	139	—	—	—	—	29	21	219	351	1,60,876	1,56,621
1,082	1,407	—	—	14	5	1	—	291	331	1,09,227	1,11,621
229	280	—	—	2	—	276	215	1,629	1,891	74,997	74,802
—	—	—	—	9	5	10	7	246	291	66,237	65,443
—	—	—	—	—	—	15	13	32	13	65,835	69,945
1,524	1,940	—	—	72	44	591	481	2,968	3,454	9,49,752	9,35,431

IV-B

Himachal Pradesh (State) in 1990-91

CROPS

RES

Total		Jute		San Hemp		Other fibers	
Current	Normal	Current	Normal	Current	Normal	Current	Normal
6	7	8	9	10	11	12	13
5	19	—	—	6	4	—	—
2	3	—	—	—	—	—	—
51	73	—	—	40	60	—	—
—	—	—	—	66	76	—	—
4	—	—	—	—	—	—	—
8	12	—	—	—	—	—	—
42	83	—	—	6	6	—	—
18	46	—	—	2	—	—	—
130	236	—	—	120	219	—	—

TABLE NO.

Area under Non-food Crops in each District of

Oil

Edi-

District	Total fibres		Groundnut		Coconut	
	Current	Normal	Current	Normal	Current	Normal
	14	15	16	17	18	19
Bilaspur	11	23	4	7	—	—
Chamba	—	—	—	—	—	—
Hamirpur	2	3	—	—	—	—
Kangra	91	133	—	3	—	—
Kinnaur	—	—	—	—	—	—
Kullu	66	76	—	—	—	—
Lahaul & Spiti	—	—	—	—	—	—
Mandi	4	4	2	3	—	—
Shimla	—	—	4	5	—	—
Sirmaur	14	18	27	45	—	—
Solan	44	83	445	660	—	—
Una	18	119	3	11	—	—
H.P. State Total..	250	455	485	734	—	—

Non-

District	Total edible oil seeds		Linseed	
	Current	Normal	Current	Normal
	28	29	30	31
Bilaspur	793	762	2	3
Chamba	2,388	2,597	69	68
Hamirpur	185	192	4	4
Kangra	6,246	5,685	3,335	4,078
Kinnaur	33	11	—	—
Kullu	678	741	—	—
Lahaul & Spiti	7	—	—	—
Mandi	573	420	464	536
Shimla	733	517	—	—
Sirmaur	1,198	1,119	1	2
Solan	2,067	1,687	—	—
Una	2,214	1,854	34	30
H.P. State Total ...	17,115	15,585	3,909	4,721

Himachal Pradesh (State) in 1990-91—contd.

seeds

ble

Sesamum		Rape		Mustard		Others including Saflower seed Sunflower etc.	
Current	Normal	Current	Normal	Current	Normal	Current	Normal
20	21	22	23	24	25	26	27
358	390	14	—	417	365	—	—
60	71	—	—	2,328	2,526	—	—
120	155	48	—	17	37	—	—
4,957	4,786	—	—	1,289	897	—	—
—	—	—	—	33	11	—	—
—	—	2	—	674	741	2	—
—	—	—	—	7	—	—	—
—	101	—	—	491	316	—	—
—	57	658	—	—	455	7	—
—	400	12	—	813	674	—	—
—	372	325	—	373	655	480	—
—	956	467	—	756	887	—	—
7,417	7,287	1,526	—	7,198	7,564	489	—

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
—	—	181	—	183	3	976	765
—	—	—	—	69	68	2,457	2,665
—	—	—	—	4	4	189	196
—	—	—	—	3,335	4,078	9,581	9,763
—	—	7	—	7	—	40	11
—	—	—	—	—	—	678	741
—	—	—	—	—	—	7	—
—	—	—	—	464	536	1,037	956
—	—	23	—	23	—	756	517
—	—	—	—	1	2	1,199	1,121
—	—	—	—	—	—	2,067	1,687
—	—	—	—	34	30	2,248	1,884
—	—	211	—	4,120	4,721	21,235	20,306

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 40	Normal 41	Current 42	Normal 43	Current 44	Normal 45
Bilaspur	—	—	—	—	—	—
Chamba	—	—	—	—	—	—
Hamirpur	—	—	—	—	—	—
Kangra	—	—	—	—	—	—
Kinnaur	—	—	—	—	—	—
Kullu	—	—	—	—	—	—
Lahaul Spiti	—	—	—	—	—	—
Mandi	—	—	—	—	—	—
Shimla	—	—	—	—	—	—
Sirmaur	—	—	—	—	—	—
Solan	—	—	—	—	—	—
Una	—	—	—	—	—	—
Total H.P. State	—	—	—	—	—	—

IV-B—concl.

Himachal Pradesh (State) in 1990-91—concl.

Drugs and Narcotics							
Rubber		Tobacco		Coffee		Tea	
Current 46	Normal 47	Current 48	Normal 49	Current 50	Normal 51	Current 52	Normal 53
—	—	3	7	—	—	—	—
—	—	39	39	—	—	—	—
—	—	—	—	—	—	1,824	1,990
—	—	—	—	—	—	—	—
—	—	20	25	—	—	—	—
—	—	14	13	—	—	428	394
—	—	11	19	—	—	—	—
—	—	5	3	—	—	—	—
—	—	92	109	—	—	2,252	2,384

Drugs and Narcotics

District	Indian Hemp		Opium		Cinchona		Other Drugs and Narcotics	
	Current 54	Normal 55	Current 56	Normal 57	Current 58	Normal 59	Current 60	Normal 61
Bilaspur	—	—	—	—	—	—	—	—
Chamba	—	—	—	—	—	—	—	—
Hamirpur	—	—	—	—	—	—	—	—
Kangra	—	—	—	—	—	—	—	—
Kinnaur	—	—	—	—	—	—	—	—
Kullu	—	—	—	—	—	—	—	—
Lahaul Spiti	—	—	—	—	—	—	—	—
Mandi	151	—	—	—	—	—	115	—
Shimla	4	—	—	—	—	—	43	—
Sirmaur	—	—	—	—	—	—	—	—
Solan	—	—	—	—	—	—	55	—
Una	—	—	—	—	—	—	105	—
Total H.P. State	155	—	—	—	—	—	318	—

Other Miscellaneous

Total Drugs and Narcotics		Fodder crops		Non-food crops		Total Non-food crops	
Current 62	Normal 63	Current 64	Normal 65	Current 66	Normal 67	Current 68	Normal 69
3	7	177	145	—	—	1,172	940
39	39	—	—	—	—	2,496	2,704
—	—	133	101	—	—	324	300
1,824	1,990	2,769	2,507	—	—	14,265	14,393
—	—	—	—	—	—	40	11
20	25	51	45	—	—	815	887
115	—	—	—	—	—	122	—
636	407	732	645	17	—	2,426	2,008
4	2	—	—	—	—	760	519
11	19	1,797	1,603	270	—	3,291	2,761
55	1	1,617	1,575	—	—	3,783	3,346
110	8	1,977	1,880	—	—	4,353	3,886
2,817	2,493	9,253	8,501	292	—	33,847	31,733

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	30,096	472	28,474	700	58,570	1,172	59,742
Chamba	38,931	99	23,551	2,397	62,482	2,496	64,978
Hamirpur	43,061	123	35,934	201	78,995	324	79,319
Kangra	1,02,819	6,872	97,714	7,393	2,00,533	14,265	2,14,798
Kinnaur	6,473	22	2,595	18	9,068	40	9,108
Kullu	34,281	102	25,554	713	59,835	815	60,650
Lahaul Spiti	1,244	116	1,853	6	3,097	122	3,219
Mandi	86,123	494	74,753	1,932	1,60,876	2,426	1,63,302
Shimla	70,447	91	38,780	669	1,09,227	760	1,09,987
Sirmaur	39,748	1,487	35,249	1,804	74,997	3,291	78,288
Solan	36,794	2,375	29,443	1,408	66,237	3,783	70,020
Una	33,658	2,534	32,177	1,819	65,835	4,353	70,188
Total H.P. State	5,23,675	14,787	4,26,077	19,060	9,49,752	33,847	9,83,599

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

NO. V

Himachal Pradesh (State) in 1990-91

Cropped area of Forecast Crops	Area under Mixed Sowing									
	Wheat-Barley (Crop-Mixture)		(Crops at the rate of mixture)							
	Net area under		Wheat		Barley		Gross area (unad-justed):		Net area under	
Area cropped more than once	Net Cropped area	Matured	Failed	Gross area unad-justed	Wheat	Barley	Gross area (unad-justed):	Net area under	Total unad-justed area under mixture	
9	10	11	12	13	14	15	16	17	18	19
27,302	32,440	—	—	—	—	—	—	—	—	—
23,201	41,777	—	—	—	—	—	—	—	—	—
39,161	40,158	—	—	—	—	—	—	—	—	—
94,725	1,20,073	—	—	—	—	—	—	—	—	—
1,539	7,569	—	—	—	—	—	—	—	—	—
23,769	36,881	—	—	—	—	—	—	—	—	—
76	3,143	—	—	—	—	—	—	—	—	—
67,885	95,417	—	—	—	—	—	—	—	—	—
34,851	25,136	—	—	—	—	—	—	—	—	—
35,067	43,221	—	—	—	—	—	—	—	—	—
28,992	41,028	—	—	—	—	—	—	—	—	—
24,234	45,954	—	—	—	—	—	—	—	—	—
4,00,802	5,82,797	—	—	—	—	—	—	—	—	—

One separate column be given for each crop mixture.

Standard yield per Acre and yield per Hect in 1989-90 of the

Food

District	Gram			Green Gram or		Moong
	Standard	Condition factor	Current	Standard	Condition factor	
1	41	42	43	44	45	46
Bilaspur	—	—	822	—	—	250
Chamba	—	—	479	—	—	348
Hamirpur	—	—	147	—	—	—
Kangra	—	—	—	—	—	—
Kinnaur	—	—	—	—	—	—
Kullu	—	—	250	—	—	—
Lahaul Spiti	—	—	—	—	—	—
Mandi	—	—	534	—	—	—
Shimla	—	—	515	—	—	—
Sirmaur	—	—	812	—	—	277
Solan	—	—	323	—	—	—
Una	—	—	975	—	—	400
H.P. State Average	—	—	539	—	—	319

Food

District	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	—	—	1,560	—	—	7,050	—	—	—
Chamba	—	—	—	—	—	7,080	—	—	—
Hamirpur	—	—	—	—	—	7,050	—	—	—
Kangra	—	—	1,159	—	—	2,092	—	—	—
Kinnaur	—	—	—	—	—	5,471	—	—	—
Kullu	—	—	—	—	—	4,367	—	—	—
Lahaul Spiti	—	—	1,885	—	—	27,327	—	—	—
Mandi	—	—	—	—	—	4,367	—	—	—
Shimla	—	—	1,776	—	—	5,471	—	—	—
Sirmaur	—	—	1,362	—	—	7,050	—	—	—
Solan	—	—	200	—	—	7,050	—	—	—
Una	—	—	2,000	—	—	7,050	—	—	—
H.P. State Average	—	—	1,614	—	—	7,050	—	—	—

V-A—(contd.)

Principal Crops in each District of Himachal Pradesh (State)

Crops—contd.

Red Gram or Tur (Arhar)			Black Gram or Urd (Mash)			Horse Gram (Kulth)			Masur		
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
—	—	—	—	—	534	—	—	443	—	—	428
—	—	—	—	—	348	—	—	—	—	—	384
—	—	—	—	—	315	—	—	315	—	—	237
—	—	—	—	—	—	—	—	—	—	—	540
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	300	—	—	—	—	—	380
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	374	—	—	—	—	—	519
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	317	—	—	351	—	—	274
—	—	—	—	—	402	—	—	435	—	—	231
—	—	—	—	—	400	—	—	400	—	—	400
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	373	—	—	389	—	—	377

Crops—contd.

Chillies			Turmeric			Pepper			Other condiments and spices		
Standard	Condition factor	Current	Standard	Condition factor	Current	Standard	Condition factor	Current	Standard	Condition factor	Current
68	69	70	71	72	73	74	75	76	77	78	79
—	—	500	—	—	363	—	—	—	—	—	—
—	—	228	—	—	—	—	—	—	—	—	—
—	—	—	—	—	279	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	—	201	—	—	—	—	—	—	—	—	—
—	—	201	—	—	—	—	—	—	—	—	—
—	—	264	—	—	1,000	—	—	—	—	—	—
—	—	280	—	—	—	—	—	—	—	—	—
—	—	660	—	—	667	—	—	—	—	—	—
—	—	—	—	—	577	—	—	—	—	—	—

TABLE NO.

Standard yield per Aere and yield per Acre in 1990 of the Principal

District	Non-Food					
	Ginger			Sesamum		
	Standard	Condition factor	Current	Standard	Condition factor	Current
1	80	81	82	83	84	85
Bilaspur	—	—	293	—	—	613
Chamba	—	—	293	—	—	613
Hamirpur	—	—	—	—	—	507
Kangra	—	—	300	—	—	400
Kinnaur	—	—	375	—	—	400
Kullu	—	—	—	—	—	300
Labaul Spiti	—	—	—	—	—	562
Mandi	—	—	—	—	—	184
Shimla	—	—	409	—	—	184
Sirmaur	—	—	363	—	—	277
Solan	—	—	324	—	—	218
Una	—	—	100	—	—	375
H.P. State Average	—	—	312	—	—	381

District	Non-Food					
	Indigo			Rubber		
	Standard	Condition factor	Current	Standard	Condition factor	Current
1	98	99	100	101	102	103
Bilaspur	—	—	—	—	—	—
Chamba	—	—	—	—	—	—
Hamirpur	—	—	—	—	—	—
Kangra	—	—	—	—	—	—
Kinnaur	—	—	—	—	—	—
Kullu	—	—	—	—	—	—
Labaul Spiti	—	—	—	—	—	—
Mandi	—	—	—	—	—	—
Shimla	—	—	—	—	—	—
Sirmaur	—	—	—	—	—	—
Solan	—	—	—	—	—	—
Una	—	—	—	—	—	—
H.P. State Average	—	—	—	—	—	—

V.A—contd.

Crops in each District of Himachal Pradesh (State)—contd.

Crops	Non-Food											
	Rape			Mustard			Linseed			Groundnut		
	Standard	Condition factor	Current	Standard	Condition factor	Current	Standard	Condition factor	Current	Standard	Condition factor	Current
86	87	88	89	90	91	92	93	94	95	96	97	
—	—	429	—	—	474	—	—	500	—	—	1,000	
—	—	—	—	—	284	—	—	184	—	—	—	
—	—	167	—	—	117	—	—	112	—	—	—	
—	—	412	—	—	285	—	—	182	—	—	—	
—	—	477	—	—	477	—	—	—	—	—	—	
—	—	300	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	1,562	—	—	—	—	—	—	
—	—	—	—	—	281	—	—	182	—	—	—	
—	—	277	—	—	611	—	—	277	—	—	338	
—	—	611	—	—	574	—	—	277	—	—	338	
—	—	649	—	—	—	—	—	—	—	—	288	
—	—	400	—	—	400	—	—	400	—	—	200	
—	—	413	—	—	406	—	—	264	—	—	416	

Crops—contd.

Crops	Non-Food											
	Tobacco			Coffee			Tea			Indian Hemp		
	Standard	Condition factor	Current	Standard	Condition factor	Current	Standard	Condition factor	Current	Standard	Condition factor	Current
104	105	106	107	108	109	110	111	112	113	114	115	
—	—	563	—	—	—	—	—	—	—	—	—	
—	—	250	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	390	—	—	—	
—	—	250	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	—	—	
—	—	427	—	—	—	—	—	390	—	—	—	
—	—	269	—	—	—	—	—	—	—	—	—	
—	—	289	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	—	—	
—	—	270	—	—	—	—	—	—	—	—	—	
—	—	331	—	—	—	—	—	390	—	—	—	

TABLE NO.

Standard yield per Acre and yield per Acre in 1990 of the Principal

District	Non-Food								
	Opium			Cinchona			Cotton Desi		
	Standard	Condition factor	Current	Standard	Condition factor	Current	Standard	Condition factor	Current
1	116	117	118	119	120	121	122	123	124
Bilaspur	—	—	—	—	—	—	—	—	607
Chamba	—	—	—	—	—	—	—	—	—
Hamirpur	—	—	—	—	—	—	—	—	250
Kangra	—	—	—	—	—	—	—	—	340
Kinnaur	—	—	—	—	—	—	—	—	—
Kullu	—	—	—	—	—	—	—	—	—
Lahaul Spiti	—	—	—	—	—	—	—	—	—
Mandi	—	—	—	—	—	—	—	—	184
Shimla	—	—	—	—	—	—	—	—	—
Sirmaur	—	—	—	—	—	—	—	—	642
Solan	—	—	—	—	—	—	—	—	500
Una	—	—	—	—	—	—	—	—	700
H.P. State Average	—	—	—	—	—	—	—	—	460

V-A—concl.

Crops in each District of Himachal Pradesh (State) in 1990-91—concl.

Crops—concl.											
Cotton American			San Hemp			Jute			Castor		
Standard	Condition factor	Current	Standard	Condition factor	Current	Standard	Condition factor	Current	Standard	Condition factor	Current
125	126	127	128	129	130	131	132	133	134	135	136
—	—	—	—	—	1,000	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	175	—	—	—	—	—	—
—	—	—	—	—	800	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	182	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	539	—	—	—	—	—	—

TABLE

Total outturn of Principal crops in

District	Food					
	Rice					
	Autumn (Aus)		Winter (Aman)		Summer (Boro)	
	Current	Normal	Current	Normal	Current	Normal
1	2	3	4	5	6	7
Bilaspur	—	—	—	—	—	—
Chamba	—	—	—	—	—	—
Hamirpur	—	—	—	—	—	—
Kangra	—	—	—	—	—	—
Kinnaur	—	—	—	—	—	—
Kullu	—	—	—	—	—	—
Lahaul and Spiti	—	—	—	—	—	—
Mandi	—	—	—	—	—	—
Shimla	—	—	—	—	—	—
Sirmaur	—	—	—	—	—	—
Solan	—	—	—	—	—	—
Una	—	—	—	—	—	—
H.P. State Total ..	—	—	—	—	—	—

District	Food							
	Cereals							
	Bajra or cumbu		Barley		Maize		Ragi or Marua	
	current	Normal	Current	Normal	Current	Normal	Current	Normal
1	18	19	20	21	22	23	24	25
Bilaspur	—	—	681	512	44,730	34,047	—	—
Chamba	1	1	5,350	5,775	78,921	60,920	35	55
Hamirpur	—	—	291	199	70,144	46,614	5	3
Kangra	25	23	4,472	5,230	89,999	81,506	—	—
Kinnaur	—	—	1,735	2,226	1,012	854	151	161
Kullu	—	—	5,922	5,638	40,722	34,841	—	—
Lahaul & Spiti	—	—	1,089	—	70	32	—	—
Mandi	—	—	6,617	5,913	1,03,120	62,991	1,609	1,373
Shimla	—	—	10,419	6,842	53,680	42,652	1,865	1,497
Sirmaur	8	7	3,476	3,112	66,053	53,519	386	338
Solan	1	1	2,898	1,344	62,650	33,286	—	—
Una	—	—	101	40	43,852	40,848	—	—
H.P. State Total ..	35	22	43,051	36,831	6,54,957	4,92,146	4,051	3,427

V-B

Himachal Pradesh (State) in 1990-91

Crops	Jowar or Cholum									
	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
4,481	2,787	43,286	30,069	—	—	—	—	—	—	—
3,973	4,076	28,349	20,149	—	—	—	—	—	—	—
3,233	3,512	43,954	44,838	—	—	—	—	—	—	—
34,959	39,965	1,50,595	1,14,693	—	—	—	—	—	—	—
25	30	924	693	—	—	—	—	—	—	—
2,593	3,478	46,261	32,754	—	—	—	—	—	—	—
—	—	440	—	—	—	—	—	—	—	—
19,118	26,724	88,590	80,325	—	—	—	—	—	—	—
3,224	5,293	48,578	39,707	—	—	—	—	—	—	—
8,534	6,016	51,863	37,744	3	4	—	—	—	—	—
4,762	4,851	46,703	28,728	—	—	—	—	—	—	—
1,595	1,775	52,173	35,809	—	—	—	—	—	—	—
1,06,497	97,507	6,01,716	4,65,509	3	4	—	—	—	—	—

Crops—contd.

Crops	Pulses										
	Italian Millets		Kodo or Varagu		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	
—	—	—	—	—	—	93,178	67,411	485	389	—	
—	—	—	—	—	—	1,17,003	91,239	—	—	—	
—	—	—	—	—	—	1,17,627	95,166	13	29	—	
—	—	—	—	—	—	3,00,182	2,41,553	420	512	—	
—	—	—	—	—	—	5,057	5,031	—	—	—	
—	—	—	—	—	—	96,280	77,513	12	13	—	
—	—	—	—	—	—	1,599	32	—	—	—	
—	—	—	—	—	—	2,19,590	1,76,676	42	42	—	
—	—	—	—	—	—	1,24,788	99,358	12	6	—	
—	—	—	—	—	—	130,588	1,00,936	494	367	—	
—	—	—	—	—	—	1,17,017	68,210	189	464	—	
—	—	—	—	—	—	97,721	78,472	558	538	—	
—	—	—	—	—	—	10,320	6,141	14,20,630	11,01,597	2,225	2,361

TABLE NO.

Total of Outturn of Principal Crops in each

District	Food							
	Pulses							
	Other Pulses Kharif and Rabi		Green gram or Mung		Red Gram (Tur or Arhar)		Black Gram (Urd) or Mash	
	Current	Normal	Current	Normal	Current	Normal	Current	Normal
36	37	38	39	40	41	42	43	
Bilaspur	49	82	1	1	26	21	211	167
Chamba	200	35	1	—	—	—	774	632
Hamirpur	11	—	—	—	—	—	52	64
Kangra	347	58	—	—	26	17	611	532
Kinnaur	299	188	—	—	—	—	9	5
Kullu	604	420	—	—	—	—	368	249
Lahaul & Spiti	1,220	321	—	—	—	—	—	3
Mandi	697	1,113	2	—	95	89	822	790
Shimla	363	143	—	—	5	2	787	794
Sirmaur	317	131	1	—	23	19	466	401
Solan	272	121	—	—	—	—	82	71
Una	34	18	16	6	4	2	214	196
H.P. State Total	4,413	2,630	21	7	179	150	4,396	3,904

District	Non-Food									
	Ginger		Pepper		Turmeric		Onion		Betlenut	
	Current	Normal	Current	Normal	Current	Normal	Current	Normal	Current	Normal
	52	53	54	55	56	57	58	59	60	61
Bilaspur	185	139	—	—	4	3	50	35	—	—
Chamba	—	—	—	—	—	—	39	31	—	—
Hamirpur	2	1	—	—	5	4	34	26	—	—
Kangra	3	8	—	—	—	—	840	701	—	—
Kinnaur	—	2	—	—	—	—	—	—	—	—
Kullu	—	—	—	—	—	—	7	5	—	—
Lahaul & Spiti	—	—	—	—	—	—	—	—	—	—
Mandi	5	4	—	—	3	1	91	80	—	—
Shimla	13	29	—	—	—	—	4	2	—	—
Sirmaur	381	248	—	—	14	2	186	165	—	—
Solan	46	421	—	—	—	—	13	9	—	—
Una	—	24	—	—	4	1	301	265	—	—
H.P. State Total	635	876	—	—	30	11	1,565	1,319	—	—

B. V.—contd.

District of Himachal Pradesh (State) in 1990-91

Crops—concl'd.

—concl'd

Horse Gram		Masur		Total pulses		Total Food Grains	
Current	Normal	Current	Normal	Current	Normal	Current	Normal
44	45	46	47	48	49	50	51
58	51	—	9	830	720	94,008	68,131
111	96	—	10	1,086	774	1,18,089	92,013
43	35	18	25	137	153	1,17,764	95,319
132	147	—	242	1,536	1,508	3,01,718	2,43,061
—	—	—	—	308	193	5,365	5,224
—	—	38	—	1,022	682	97,302	78,195
—	—	—	—	1,220	324	2,819	356
271	215	—	—	1,929	2,249	2,21,519	1,78,925
218	195	29	—	1,414	1,140	1,26,202	1,00,498
219	221	172	142	1,692	1,281	1,32,280	1,02,217
32	27	43	10	613	693	1,17,635	68,903
—	—	55	12	881	772	98,602	79,244
1,084	987	355	450	12,673	10,489	14,33,303	11,12,086

Crops

Chillies		Potatoes		Sugarcane		Total Food Crops		Groundnut		Sesamum	
Current	Normal	Current	Normal	Current	Normal	Current	Normal	Current	Normal	Current	Normal
62	63	64	65	66	67	68	69	70	71	72	73
3	2	190	172	114	67	94,564	68,549	1	6	199	57
7	4	3,814	1,954	—	—	1,21,949	94,002	—	—	9	—
—	—	28	47	221	333	1,18,054	95,730	—	—	35	30
6	19	2,447	10,136	75	442	3,05,089	2,54,367	—	—	1,095	770
—	—	1,887	2,829	—	—	7,252	8,055	—	—	—	—
30	8	4,236	3,811	—	—	1,01,575	82,019	—	—	—	—
—	—	29,021	6,410	—	—	31,840	6,766	—	—	—	—
—	—	9,861	8,428	—	35	2,31,513	1,87,513	—	—	15	—
—	—	43,116	34,185	—	—	1,69,363	1,34,735	2	—	12	—
—	—	8,791	8,985	1,286	943	1,43,008	1,12,596	22	35	95	—
—	—	987	757	386	199	1,19,068	70,290	117	271	15	—
—	—	1,480	1,393	1,086	823	1,01,474	81,755	3	11	73	—
—	—	24,858	79,107	3,168	2,842	15,44,739	11,96,377	145	323	1,547	1,547

Total Outturn of Principal Crops in each District

District	Non-Food					
	Rape		Mustard		Linseed	
	Current 74	Normal 75	Current 76	Normal 77	Current 78	Normal 79
Bilaspur	—	—	200	110	1	2
Chamba	—	—	455	222	10	6
Hamirpur	—	—	10	4	1	1
Kangra	—	—	545	318	1,158	1,373
Kinnaur	—	—	12	5	—	—
Kullu	—	—	77	51	—	—
Lahaul & Spiti	—	—	—	3	—	—
Mandi	—	—	138	96	85	57
Shimla	—	—	232	41	—	—
Sirmaur	—	—	473	208	—	—
Solan	—	—	242	49	—	—
Una	—	—	486	153	12	7
H.P. State Total	—	—	2,870	1,260	1,267	1,446

V. B—concl'd.

of Himachal Pradesh (State) in 1990-91—concl'd.

Crops—cont'd.							
Coconut		Indigo		Tobacco		Coffee	
Current 80	Normal 81	Current 82	Normal 83	Current 84	Normal 85	Current 86	Normal 87
—	—	—	—	2	4	—	—
—	—	—	—	8	10	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	1	—
—	—	—	—	—	—	—	—
—	—	—	—	30	21	—	—
—	—	—	—	—	—	—	—
—	—	—	—	4	4	—	—
—	—	—	—	—	—	—	—
—	—	—	—	3	4	—	—
—	—	—	—	—	5	—	—
—	—	—	—	5	3	—	—
—	—	—	—	—	—	—	—
—	—	—	—	52	52	—	—

Crops—concl'd.

Jute	Cotton in Bales						Total Non-Food Crops	Total Food & Non-Food Crops	
	Desi		American		Current 102	Normal 103			
	Current 96	Normal 97	Current 98	Normal 99					Current 100
—	—	18	15	—	—	409	192	94,963	68,731
—	—	—	—	—	—	482	242	1,22,431	94,244
—	—	—	—	—	—	46	35	1,18,100	95,765
6	—	47	55	—	—	3,515	3,338	3,08,604	2,57,705
—	—	—	—	—	—	12	5	7,264	8,080
—	—	—	—	—	—	179	118	1,01,754	82,137
—	—	—	—	—	—	—	3	31,840	6,769
—	—	—	—	—	—	409	328	2,31,922	1,87,841
—	—	—	—	—	—	246	55	1,69,609	1,34,790
—	—	28	10	—	—	595	305	1,43,603	1,12,901
—	—	106	34	—	—	374	353	1,19,442	70,643
—	—	35	32	—	—	606	781	1,02,080	82,536
6	—	234	146	—	—	6,873	5,745	15,51,612	12,02,122

Non-Food

District	Non-Food							
	Tea		Indian Hemp		Opium		Sunhemp	
	Current 88	Normal 89	Current 90	Normal 91	Current 92	Normal 93	Current 94	Normal 95
Bilaspur	—	—	—	—	—	—	6	3
Chamba	—	—	—	—	—	—	—	—
Hamirpur	—	—	—	—	—	—	—	—
Kangra	711	853	—	—	—	—	2	23
Kinnaur	—	—	—	—	—	—	—	—
Kullu	—	—	—	—	—	—	72	46
Lahaul & Spiti	—	—	—	—	—	—	—	—
Mandi	167	171	—	—	—	—	—	—
Shimla	—	—	—	—	—	—	—	—
Sirmaur	—	—	—	—	—	—	1	1
Solan	—	—	—	—	—	—	—	—
Una	—	—	—	—	—	—	27	39
H.P. State Total	878	1,024	—	—	—	—	108	112

TABLE

Farm Prices during 1990-91 of Principal Crops

District or Centre 1	Rice		Wheat		Jowar		Bajra	
	Current year 2	Last year 3	Current year 4	Last year 5	Current year 6	Last year 7	Current year 8	Last year 9
Bilaspur	231	—	283	—	—	—	—	—
Chamba	429	—	316	—	175	—	—	—
Hamirpur	245	—	252	—	200	—	—	—
Kangra	392	—	254	—	—	—	—	—
Kinnaur	—	—	384	—	—	—	—	—
Kullu	500	—	—	—	375	—	—	—
Lahaul & Spiti	—	—	—	—	300	—	—	—
Mandi	324	—	267	—	—	—	—	—
Shimla	284	—	294	—	193	—	—	—
Sirmaur	413	—	269	—	220	—	—	—
Solan	254	—	242	—	202	—	—	—
Una	200	—	332	—	500	—	—	—
Una	200	—	250	—	—	—	—	—
H.P. State Total	327	—	286	—	271	—	—	—

District 1	Sugar (raw)		Groundnut		Caster seed		Linseed		Rape	
	Current year 20	Last year 21	Current year 22	Last year 23	Current year 24	Last year 25	Current year 26	Last year 27	Current year 28	Last year 29
Bilaspur	500	—	—	—	—	—	938	—	904	—
Chamba	—	—	—	—	—	—	850	—	1,144	—
Hamirpur	661	—	—	—	—	—	1,223	—	1,188	—
Kangra	—	—	—	—	—	—	1,029	—	1,214	—
Kinnaur	—	—	—	—	—	—	—	—	—	—
Kullu	—	—	—	—	—	—	—	—	—	—
Lahaul & Spiti	—	—	—	—	—	—	—	—	—	—
Mandi	—	—	—	—	—	—	—	—	1,800	—
Shimla	—	—	—	—	—	—	1,142	—	1,303	—
Sirmaur	358	—	975	—	—	—	—	—	1,100	—
Solan	500	—	875	—	—	—	1,000	—	919	—
Una	500	—	1,200	—	—	—	—	—	1,067	—
H.P. State Total	504	—	1,017	—	—	—	1,055	—	1,184	—

NO. VI

at certain centres in Himachal Pradesh (State)

Current year 10	Last year 11	Barley		Gram		Maize		Cotton		Jute	
		Current year 12	Last year 13	Current year 14	Last year 15	Current year 16	Last year 17	Current year 18	Last year 19		
262	—	998	—	264	—	1,650	—	—	—	—	—
223	—	—	—	245	—	—	—	—	—	—	—
324	—	919	—	228	—	—	—	—	—	—	—
198	—	1,013	—	203	—	1,900	—	—	—	—	—
283	—	—	—	300	—	—	—	—	—	—	—
—	—	900	—	208	—	—	—	—	—	—	—
358	—	—	—	200	—	—	—	—	—	—	—
265	—	960	—	250	—	—	—	—	—	—	—
200	—	1,000	—	230	—	—	—	—	—	—	—
208	—	844	—	223	—	1,250	—	—	—	—	—
273	—	933	—	244	—	750	—	—	—	—	—
200	—	800	—	200	—	1,000	—	—	—	—	—
254	—	930	—	233	—	1,310	—	—	—	—	—

Current year 30	Last year 31	Mustard		Sesamum		Tobacco		Ginger		Pepper	
		Current year 32	Last year 33	Current year 34	Last year 35	Current year 36	Last year 37	Current year 38	Last year 39		
—	—	1,458	—	609	—	1,107	—	—	—	—	—
—	—	1,500	—	850	—	—	—	—	—	—	—
—	—	1,733	—	477	—	1,000	—	—	—	—	—
—	—	740	—	—	—	1,067	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	—	1,786	—	634	—	1,000	—	—	—	—	—
—	—	—	—	—	—	1,000	—	—	—	—	—
—	—	1,160	—	1,500	—	668	—	—	—	—	—
—	—	1,233	—	—	—	798	—	—	—	—	—
—	—	1,209	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	—	1,333	—	812	—	949	—	—	—	—	—

TABLE

Agriculture Wages in each District of

July						
..... (Normal No. of working hours)						
District	Skilled Labour			Field Labour	Other Agricultural Labour	Herds-men
	Carpenters	Black-smiths	Cobblers			
1	2	3	4	5	6	7
Bilaspur	40	39	36	26	26	22
Chamba	40	36	40	21	20	20
Hamirpur	25	25	25	15	15	15
Kangra	50	50	50	25	25	25
Kinnaur	40	35	—	22	22	25
Kullu	48	38	29	25	24	23
Lahaul & Spiti	40	30	—	28	28	—
Mandi	33	31	30	30	30	20
Shimla	44	43	40	22	21	22
Sirmaur	38	38	38	18	18	13
Solan	58	58	30	40	30	—
Una	40	35	40	18	18	18
H.P. State Average	42	38	32	26	23	20

September

..... (Normal No. of working hours)

District	Skilled Labour			Field Labour	Other Agricultural Labour	Herds-men
	Carpenters	Black-smiths	Cobblers			
1	14	15	16	17	18	19
Bilaspur	42	40	40	28	27	22
Chamba	41	36	40	22	20	20
Hamirpur	25	25	15	15	15	15
Kangra	50	50	50	25	25	25
Kinnaur	40	35	—	22	22	25
Kullu	48	38	29	25	24	23
Lahaul & Spiti	43	30	—	30	30	—
Mandi	33	36	30	30	30	20
Shimla	46	43	40	22	21	22
Sirmaur	38	38	38	18	18	18
Solan	58	58	30	40	30	—
Una	40	35	40	18	18	18
H.P. State Average	42	38	36	24	23	20

NO. VII

Himachal Pradesh (State) in 1909-91

(In Rupees per day)

August						
..... (Normal No. of working hours)						
Carpenters	Skilled Labour			Field Labour	Other Agricultural Labour	Herds-men
	Blacksmiths	Cobblers				
8	9	10	11	12	13	
42	40	40	31	27	22	
41	36	40	20	20	20	
25	25	25	15	15	15	
50	50	50	25	25	25	
40	35	—	22	22	25	
48	38	29	25	24	23	
40	30	—	28	28	—	
33	31	30	30	30	20	
46	43	40	22	21	22	
38	38	38	18	18	13	
58	58	30	40	30	—	
40	35	40	18	18	18	
42	38	36	25	23	20	

October

..... (Normal No. of working hours)

Carpenters	Skilled Labour			Field Labour	Other Agricultural Labour	Herds-men
	Blacksmiths	Cobblers				
20	21	22	23	24	25	
42	40	40	27	27	22	
41	36	40	21	20	20	
25	25	25	15	15	15	
50	50	50	25	25	30	
40	35	—	22	22	25	
50	37	29	24	25	23	
43	30	—	30	30	—	
33	31	30	30	30	20	
46	43	40	22	21	24	
38	38	38	18	18	17	
58	58	30	40	30	30	
42	37	39	18	18	18	
42	38	36	24	23	22	

TABLE

Agricultural Wages in each District of

District	November					
(Normal No. of working hours)					
	Skilled Labour			Field Labour	Other Agricultural Labour	Herds-men
Carpenters	Blacksmiths	Cobblers				
1	26	27	28	29	30	31
Bilaspur	42	40	40	28	30	20
Chamba	41	36	40	21	20	20
Hamirpur	25	25	25	15	15	15
Kangra	60	60	60	30	30	35
Kinnaur	40	35	—	22	22	25
Kullu	52	38	31	24	25	23
Lahaul & Spiti	43	30	—	30	30	—
Mandi	33	31	30	30	30	20
Shimla	46	43	40	22	21	24
Sirmaur	38	38	38	18	18	13
Solan	58	58	—	40	30	—
Una	42	37	39	18	18	18
H.P. State Average	43	39	38	25	24	21

District	January					
(Normal No. of working hours)					
	Skilled Labour			Field Labour	Other Agricultural Labour	Herds-men
Carpenters	Blacksmiths	Cobblers				
1	38	39	40	41	42	43
Bilaspur	42	43	38	29	29	20
Chamba	41	36	40	20	17	19
Hamirpur	25	25	25	15	15	15
Kangra	60	60	60	30	30	35
Kinnaur	40	35	—	22	22	25
Kullu	55	38	31	25	25	23
Lahaul & Spiti	40	30	—	28	25	—
Mandi	33	31	30	30	30	20
Shimla	46	43	40	22	21	22
Sirmaur	38	38	38	18	18	13
Solan	58	58	—	40	30	—
Una	40	35	40	18	18	18
H.P. State Average	43	39	38	25	23	21

NO. VII—contd.

Himachal Pradesh (State) in 1990-91.

(In Rupees per day)

District	December					
(Normal No. of working hours)					
	Skilled Labour			Field Labour	Other Agricultural Labour	Herds-men
Carpenters	Blacksmiths	Cobblers				
1	26	27	28	29	30	31
Bilaspur	42	40	40	28	28	20
Chamba	41	36	40	20	17	19
Hamirpur	25	25	25	15	15	15
Kangra	60	60	60	30	30	35
Kinnaur	40	35	—	22	22	25
Kullu	52	38	31	24	25	23
Lahaul & Spiti	43	30	—	30	30	—
Mandi	33	31	30	30	30	20
Shimla	46	43	40	22	21	24
Sirmaur	38	38	38	18	18	13
Solan	58	58	—	40	30	—
Una	42	37	39	18	18	18
H.P. State Average	43	39	38	25	24	22

District	February					
(Normal No. of working hours)					
	Skilled Labour			Field Labour	Other Agricultural Labour	Herds-men
Carpenters	Blacksmiths	Cobblers				
1	38	39	40	41	42	43
Bilaspur	42	43	38	29	29	20
Chamba	41	36	40	20	17	19
Hamirpur	25	25	25	15	15	15
Kangra	60	60	60	30	30	35
Kinnaur	40	35	—	22	22	25
Kullu	55	38	31	25	25	23
Lahaul & Spiti	40	30	—	28	25	—
Mandi	33	31	30	30	30	20
Shimla	46	43	40	22	21	22
Sirmaur	38	38	38	18	18	13
Solan	58	58	—	40	30	—
Una	40	35	40	18	18	18
H.P. State Average	43	39	38	25	23	21

TABLE
Agricultural Wages in each District of

No. VII—contd.

Himachal Pradesh (State) in 1990-91.

(In Rupees per day)

District	March					
 (Normal No. of working hours)					
	Skilled Labour					
	Carpenters	Blacksmiths	Cobblers	Field Labour	Other Agricultural Labour	Herdsmen
1	50	51	52	53	54	55
Bilaspur	43	43	40	29	29	20
Chamba	41	38	40	20	17	19
Hamirpur	45	45	—	30	25	25
Kangra	60	60	60	30	30	35
Kinnaur	40	35	—	22	22	25
Kullu	55	38	31	25	25	31
Lahaul & Spiti	38	28	—	25	25	—
Mandi	33	31	30	30	30	20
Shimla	46	43	40	22	21	22
Sirmaur	38	38	38	18	18	13
Solan	58	58	—	40	30	—
Una	40	35	40	18	18	18
H.P. State Average	45	41	40	26	24	25

District	April					
 (Normal No. of working hours)					
	Skilled Labour					
	Carpenters	Blacksmiths	Cobblers	Field Labour	Other Agricultural Labour	Herdsmen
56	57	58	59	60	61	
43	43	40	29	29	20	
41	38	40	40	20	20	
45	45	—	30	25	25	
60	60	60	30	25	35	
40	35	—	22	22	25	
60	38	31	25	25	23	
40	30	—	30	28	—	
33	31	30	30	30	20	
47	42	40	22	21	24	
38	38	38	18	18	16	
58	58	—	40	30	16	
40	35	40	18	18	30	
45	45	40	28	25	18	

District	May					
 (Normal No. of working hours)					
	Skilled Labour					
	Carpenters	Blacksmiths	Cobblers	Field Labour	Other Agricultural Labour	Herdsmen
1	62	63	64	65	66	67
Bilaspur	45	45	43	29	34	22
Chamba	41	38	40	21	21	20
Hamirpur	45	45	—	30	25	25
Kangra	60	60	60	30	30	35
Kinnaur	40	35	—	22	22	25
Kullu	60	38	31	25	25	23
Lahaul & Spiti	45	35	—	30	30	—
Mandi	33	31	30	30	30	20
Shimla	46	43	40	22	21	24
Sirmaur	38	38	38	18	18	16
Solan	58	58	—	40	30	—
Una	40	35	40	18	18	18
H.P. State Average	46	42	40	26	25	23

District	June					
 (Normal No. of working hours)					
	Skilled Labour					
	Carpenters	Blacksmiths	Cobblers	Field Labour	Other Agricultural Labour	Herdsmen
68	69	70	71	72	73	
45	45	43	29	29	22	
41	38	40	21	21	20	
45	45	—	30	25	25	
60	60	60	30	25	35	
40	35	—	22	22	25	
60	38	31	25	25	23	
40	30	—	30	28	—	
33	31	30	30	30	20	
43	40	37	23	21	21	
38	38	38	18	18	16	
58	58	—	40	30	16	
40	35	40	18	18	18	
46	41	40	26	25	24	

TABLE
Number of Livestock, Poultry and Agricultural Machinery and
According to last census

District	Live					
	Cattle					
	Males over 3 years		Females over 3 years		Young stock	Total cattle (Bulls and cows)
Breeding bulls i.e. entire males over 3 years kept or used for breeding purposes 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			
1	2	3	4	5	6	7
Bilaspur	163	53,651	6,377	3,755	8,802	72,748
Chamba	349	96,551	40,825	49,638	62,947	2,50,310
Hamirpur	143	50,743	4,052	3,028	6,306	64,272
Kangra	781	1,95,827	72,545	39,100	1,31,652	4,39,905
Kinnaur	147	5,603	4,113	4,775	7,125	21,763
Kullu	222	42,369	26,763	62,055	45,319	1,76,728
Lahaul & Spiti	59	1,921	2,858	2,600	2,449	9,887
Mandi	4,790	1,49,736	65,904	89,969	1,22,218	4,32,617
Shimla	551	96,901	68,594	53,009	1,00,103	3,19,158
Sirmaur	356	75,344	42,590	24,249	72,247	2,14,786
Solan	260	69,311	29,789	20,584	39,292	1,59,236
Una	199	46,228	10,171	4,864	21,943	83,405
H.P. State	8,020	8,84,185	3,74,581	3,57,626	6,20,403	22,44,815

District	Live				
	Total Yak	Total Mithuns	Total Bovine	Total Sheep	Total Goat
	14	15	16	17	18
Bilaspur	—	—	1,56,286	33,785	62,219
Chamba	33	—	2,90,730	2,76,442	1,83,884
Hamirpur	8	—	1,54,810	47,973	28,350
Kangra	—	—	6,78,350	1,04,218	1,68,707
Kinnaur	1,026	—	22,794	48,187	23,003
Kullu	—	—	1,79,430	1,07,462	71,643
Lahaul & Spiti	1,088	28	11,003	44,854	10,148
Mandi	—	—	5,37,997	2,01,038	2,09,851
Shimla	—	—	3,39,801	1,77,989	1,12,632
Sirmaur	—	—	2,53,222	35,757	1,12,600
Solan	—	—	2,34,890	22,503	72,502
Una	—	—	1,82,566	12,560	64,600
H.P. State	2,155	28	30,41,989	11,12,768	11,20,139

NO. VIII

Implements in each District of Himachal Pradesh (State) in 1988

Stock	Buffaloes					
	Males over 3 years		Females over 3 years		Young stock	Total buffaloes
	Breeding bulls i.e. entire males over 3 years kept or use for breeding purposes only	Other males over 3 years	Breeding Buffaloes i.e. buffaloes over 3 years kept for breeding or milk production	Other cows over 3 years		
8	9	10	11	12	13	
640	267	29,016	27,653	25,962	83,538	
448	1,359	15,170	12,783	10,627	40,387	
273	48	50,948	13,751	25,510	90,530	
2,792	85,817	49,901	41,652	58,283	2,38,445	
—	—	1	3	1	5	
57	70	932	855	898	2,812	
—	—	—	—	—	—	
941	346	39,201	35,588	29,304	1,05,380	
3,102	272	10,579	5,719	3,763	20,643	
439	785	15,343	6,718	15,151	38,436	
720	354	27,723	22,164	24,693	75,654	
1,075	4,331	37,788	18,904	37,063	99,161	
7,695	93,649	2,76,602	1,85,790	2,31,255	7,94,991	

Stock	Horses and Ponies							
	Males over 3 years			Total Horses and Ponies	Mules	Donkeys	Camels	Pigs
	over 3 years 19	over 3 years 20	Young stock 21					
22	23	24	25	26				
52	44	20	116	322	265	48	3,757	
761	484	102	1,347	3,882	409	—	423	
285	158	42	485	898	227	—	85	
3,268	2,939	1,421	7,628	5,169	276	126	6,782	
527	691	326	1,544	589	2,713	—	7	
470	627	886	1,983	1,689	404	—	242	
477	578	149	1,204	375	1,933	—	47	
1,026	879	314	2,219	2,525	263	—	243	
1,063	126	57	1,246	4,647	556	—	3,427	
474	373	130	977	1,587	75	61	2,739	
330	171	13	514	1,176	571	37	125	
346	402	136	884	246	319	55	99	
9,079	7,472	3,596	20,147	23,105	8,011	327	17,976	

TABLE

Number of Livestock, Poultry and Agricultural Machinery and

According to last Census

Live

District	Total Dogs	Total livestock	Poultry			Total Poultry
			Fowls (Hens, Cocks and Chickens)	Ducks (Ducks, Drakes and Darkings)	Others	
1	27	28	29	30	31	32
Bilaspur	6,315	2,63,113	86,620	10	—	86,630
Chamba	11,097	7,68,214	60,413	3	—	60,416
Hamirpur	8,384	2,41,212	33,442	9	53	33,504
Kangra	26,995	9,86,283	2,38,521	20	—	2,38,541
Kinnaur	1,955	1,04,375	13,572	—	—	13,572
Kullu	6,564	3,65,944	44,851	51	—	44,902
Lahaul & Spiti	261	69,825	3,386	4	—	3,390
Mandi	15,027	9,81,131	81,866	25	202	82,093
Shimla	17,019	6,57,317	60,229	—	—	60,229
Sirmaur	9,109	4,16,127	51,048	5	—	51,053
Solan	7,466	3,39,784	61,752	2	—	61,754
Una	11,861	2,73,190	17,776	16	—	17,792
H.P. State :	1,22,053	54,66,575	7,53,476	145	255	7,53,876

NO. VIII

Implements in each Districts of Himachal Pradesh (State) in 1988

Stock

Agricultural Machinery and Implements							
Sugarcane Crushers							
Plough (wooden/ iron)	Carts	Animal operated	Power operated	Tractors	Oil Engines	Electric Pump	Ghanis
33	34	35	36	37	38	39	40
48,921	—	87	150	32	2,289	887	—
58,151	—	2	—	—	—	—	—
59,336	—	281	54	71	43	280	—
2,24,057	232	302	270	291	—	—	—
6,722	—	—	—	—	—	—	—
45,271	—	—	—	84	—	—	—
4,461	—	—	—	24	2	—	—
1,16,646	1	7	9	226	24	19	—
64,557	—	1	60	3	—	—	—
45,766	3,534	310	535	245	—	—	—
71,698	367	77	290	104	—	—	—
53,621	588	346	665	239	—	—	—
7,99,207	4,722	1,413	2,033	1,319	2,358	934	—