



Government of Karnataka

***REPORT  
ON  
AREA, PRODUCTION, PRODUCTIVITY  
AND  
PRICES OF AGRICULTURE CROPS  
IN  
KARNATAKA  
2011-12***

DIRECTORATE OF ECONOMICS AND STATISTICS  
BENGALURU



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## PREFACE

Agricultural Statistics, particularly those relating to area, production and productivity have a very important role to play in the overall statistical system of the State. One of the key statistical publications being brought out by the Directorate of Economics and Statistics is "Area, Production, Productivity and Prices of Agriculture Crops in Karnataka" for 2011-12.

This report, with Annual Season and Crop Statistics Report as the base for which the Record of Rights, Tenancy and Crop Inspection (Pahani) written by the Village Accountant is the principal source, depicts districtwise land use and further, seasonwise, cropping pattern, agricultural conditions and sourcewise and cropwise area irrigated. This report contains data on production and productivity of agriculture crops. Additionally it contains data on prices of agricultural produce.

The Publication is prepared in the Agricultural Statistics Division of the Directorate of Economics and Statistics.

Constructive suggestions for enhancing quality of the report are most welcome.

Place: Bangalore  
Date: 31-10-2015

  
( K.V. SUBRAMANYAM)  
Director



## CONTENTS

Sl. No.	Particulars	Page No.
1.	Introduction	1
2.	Seasonal Conditions	1
3.	Land Utilisation	1
4.	Sources of Irrigation	3
5.	Details of Sourcewise Area Irrigated	4
6.	Cropping Pattern	6
7.	Details of Cropwise Area Irrigated	8
8.	Area, Production and Productivity of Crops	10
9.	Index Numbers of Area, Production and Productivity of Crops	15
10.	Price Trend	16
11.	Farm Harvest Prices	17
12.	Index Numbers of Farm Harvest Prices	18
13.	Consumer Price Index Numbers for Agricultural Labourers	18
14.	Agriculture Wages	19
15.	Livestock Census	20
16.	ANNEXURES : 1 TO 10	23-47

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## **AREA, PRODUCTION, PRODUCTIVITY AND PRICES OF AGRICULTURE CROPS IN KARNATAKA, 2011-12**

### **1. Introduction:**

Agriculture is still one of the priority sectors of the State's economy, particularly rural economy, not with standing its diminishing share in the State domestic product. Several policies and programs are being planned and implemented by government from time to time to improve productivity. Besides improved techniques for the development of agriculture and higher agriculture production, timely and sufficient rainfall and weather conditions are also crucial factors. During the year under report, the total cropped area has decreased by about 10.0 lakh hectares untimely rainfall.

### **2. Seasonal Conditions:**

2.1 During the agriculture year 2011-12, the actual rainfall in the State was 1369 mm as against the normal of 1197 mm, an increase of 14.4%. Rainfall was excess in 5 districts, {Bangalore (U), Belgaum, Dakshina Kannada, Hassan, and Udupi). Normal in 16 districts (Bagalkote, Bangalore (R), Chamarajanagar, Chikballapur, Chickmagalur, Davanagere, Dharwad, Haveri, Kodagu, Kolar, Mandya, Mysore, Ramanagar, Shimoga, Tumkur and Uttara Kannada). Deficit in all other 9 districts (Bellary, Bidar, Bijapur, Chitradurga, Gadag, Gulbarga, Koppal, Raichur and Yadgir). But there was excess rainfall during Kharif, normal in Rabi and scanty in Summer seasons.

The season wise actual and normal rainfall are given in Table – 1 and districtwise and season wise details in Annexure – 1.

**Table - 1**  
**Season wise rainfall condition in the State, 2011-12**

Season	Rainfall (in mm)		Departure from Normal Rainfall (%)	Rainfall Pattern
	Normal	Actual		
Kharif	839	1029	22.6	Excess
Rabi	346	339	-2.02	Normal
Summer	13	1	-92.3	Scanty
<b>State</b>	<b>1198</b>	<b>1369</b>	<b>14.4</b>	Normal

Source : Rainfall section, DES

### **3. Land Utilization:**

3.1 The total geographical area of the State is classified into; (1) forest (2) land put to non-agricultural use (3) barren and uncultivable land (4) permanent pastures and other grazing land (5) cultivable waste (6) miscellaneous trees and groves etc., not included in net

area sown (7) current fallows (8) other fallow land and (9) net area sown. Details of land use during 2011-12 compared with 2010-11 are in Table - 2.

**Table – 2**

**Classification of geographical area according to land use during 2011-12 and 2010-11**

Sl. No	Category	Area (in hectare)		% to total geographical area	
		2011-12	2010-11	2011-12	2010-11
1	Forest	3071833	3071833	16.1	16.1
2	Land put to non - agricultural use	1432956	1430363	7.5	7.5
3	Barren & un cultivable land	786621	786627	4.1	4.1
4	Cultivable waste	413284	414397	2.2	2.2
5	Permanent pastures & other graz. Land	908393	912385	4.8	4.8
6	Land under miscellaneous tree, groves etc.,	285013	285986	1.5	1.5
7	Current fallow	1671787	1199134	8.8	6.3
8	Other fallow land	538550	426458	2.8	2.2
9	Net area sown	9941399	10522653	52.2	55.3
<b>Total Geographical Area</b>		<b>19049836</b>	<b>19049836</b>	<b>100.00</b>	<b>100.00</b>

**3.2** The net area sown in the State decreased by 581254 hectares during 2011-12 over 2010-11. Net area under cultivation during 2011-12 was 52.2% as against 55.3% during 2010-11. The percentage of area covered under different uses of land to the total geographical area remains the same in the categories of Forest, Land put to non agricultural use, Barren and uncultivable land, Cultivable waste, Permanent pastures and other grazing land and Land under miscellaneous tree crops groves etc., not included under net area sown, but varies in respect of current fallow, other fallow and Net area sown during the year under review. Districtwise land use area for the year 2011-12 is given in Annexure – 2. The Pie chart of the same is given in Annexure –2.1.

**3.3 Category wise Land Use Area:**

**(a) Forest:** Out of the total geographical area, 30,71,833 hectares i.e., 16.1%, is covered by forests. During the year 2011-12, the forest area remains same compared to 2010-2011. The largest forest area was in Uttara Kannada district (26.5%) followed by Shimoga and Chamarajnagar (9.0% each) and the lowest was in Bijapur (0.06%).

**(b) Land put to non-agricultural use:** Area covered under this category of land was 14,32,956 hectares in 2011-12 accounting for 7.5% of the total geographical area. Among

the districts, the percentage of area covered under this category was highest in Bangalore (U) (8.3%) followed by Bellary (7.6%) and then by Shimoga (6.1%) and the lowest area was in Gadag (0.7%).

**(c) Barren and uncultivable land:** Total area covered under this category of land was 7,86,621 hectares during 2011-12, which constitutes 4.1% of the total geographical area in the State. The largest area under this category was in Tumkur (8.6%) followed by Dakshina Kannada (7.5%) and Bellary (6.8%) and lowest in Dharwad (0.5%).

**(d) Cultivable waste:** During 2011-12, the total area under this category of land was 4,13,284 hectares, which accounts for 2.2% of the total geographical area in the State. Tumkur district had the highest area (15.2%) followed by Mandya (10.1%) and lowest in Gadag (0.2%)

**(e) Permanent pastures and other grazing land:** In the State, total area under this category of land was 9,08,393 hectares or 4.8% of the total geographical area during 2011-12. The largest area was in Shimoga (18.0%) followed by Chitradurga and Chickmagalur (9.8% each) and Lowest in Gadag (0.3%).

**(f) Land covered under miscellaneous trees, crops, groves etc., not included in net area sown:** During the year 2011-12, the total area under this category of land was 2,85,013 hectares which works out to 1.5% of the total geographical area in the State. The largest area was in Udupi (16.4%) followed by Dakshina Kannada (11.1%) and Shimoga (9.4%) and lowest in Dharwad (0.07%).

**(g) Current fallows:** Total area covered under the category "current fallows" increased to 16,717,87 hectares during 2011-12 from 11,99,134 hectares during 2010-11. Percentage of area under current fallows during 2011-12 was 8.8%. The largest area was in Raichur and Belgaum (13.6%) each followed by Bijapur (12.9%) and lowest in Udupi (0.02%).

**(h) Other fallow land:** In the State, total area under the category "other fallow land" was 5,38,550 hectares during 2011-12, which works out to 2.8% of the total geographical area as against 4,26,458 hectares during 2010-11. The largest area was in Koppal (14.9%) followed by Raichur (8.7%) and lowest in Kodagu (0.7%).

**(i) Net area sown:** The net area sown in the State was 99,41,399 hectares during 2011-12 which accounts for 52.2% of the total geographical area. It was 1,05,22,653 hectares (55.3%) during 2010-11. The largest net area sown was in Gulbarga district (9.0%) followed by Belgaum (7.7%) and Bijapur (7.5%) and lowest in Bangalore (U) (0.5%).

#### **4. Sources of Irrigation:**

4.1 The main sources of irrigation in the State were wells, tanks, tube/bore wells and reservoirs. The State had 6236 kms length of canals spread over 24 districts. There were 4,43,926 open wells, 6,88,757 tube/bore wells, 33,300 tanks, and 53 reservoirs during the

year under report. Maximum number of open wells were located in Belgaum (62,995) followed by Bijapur (42,387) and Dakshina Kannada districts (40,090). Tube/bore wells were maximum in Tumkur (1,21,133) followed by Kolar (79,791). Hassan had the highest number of 6,066 tanks and the lowest is in Gadag, 30 tanks. Districtwise number of canals, wells, tube/bore wells, tanks and other details are given in Annexure – 3.

### **5. Details of Sourcewise Area Irrigated:**

5.1 Out of the 1,20,59,367 hectares of gross cropped area during 2011-12, 41,36,864 hectares of area was irrigated. The percentage of gross area irrigated was 34.3% during 2011-12 as against 32.8% during 2010-11. Out of 99,41,399 hectares of net area sown during 2011-12, the net area irrigated was 34,40,425 hectares. The percentage of net area irrigated to net area sown works out to 34.6 as against 33.2 during 2010-11. The percentage of gross cropped area irrigated to gross cropped area sown was largest in Shimoga (65.0%) followed by Mandya (61.7%) and lowest in Kodagu (1.3%). Similarly, the percentage of net area irrigated to net area sown was largest in Shimoga (62.8%) followed by Mandya (60.9%) and lowest in Kodagu (1.4%). District wise details are shown in Annexure - 4.

5.2 In the State, out of 41,36,864 hectares of gross cropped area irrigated, 37.2%, 35.6%, 11.5%, 4.7%, 2.8% and 8.1% of area was irrigated by tube/bore wells, canals, wells, tanks, lift irrigation and other sources respectively. The net area irrigated was 34.2%, 37.1%, 12.3%, 5.2%, 2.6% and 8.5% through canals, tube/bore wells, wells, tanks, lift irrigation and other sources respectively. Source wise area irrigated during 2011-12 is presented in Table - 3 and districtwise details in Annexure – 5. The Bar chart depicting the same is given in Annexure-5.1.1 and 5.1.2.

**Table – 3**  
**Sourcewise area Irrigated during 2011-12**

<b>Sl. No.</b>	<b>Source of Irrigation</b>	<b>Net area irrigated (in hect)</b>	<b>% to State total</b>	<b>Gross area irrigated (in hect)</b>	<b>% to State Total</b>
1	Canals	1178232	34.24 (33.1)	1473177	35.6 (35.6)
2	Tanks	177762	5.17 (5.6)	196220	4.74 (5.2)
3	Wells	423411	12.31 (12.5)	474951	11.5 (11.7)
4	Tube/Borewells	1277637	37.14 (36.7)	1539833	37.22 (36.3)
5	Lift irrigation	90325	2.62 (3.1)	116596	2.82 (3.1)
6	Other sources	293058	8.52 (8.9)	336087	8.12 (8.1)
<b>State</b>		<b>3440425</b>	<b>100.0 (100.0)</b>	<b>4136864</b>	<b>100.0 (100.0)</b>

(figures in the bracket is for the year 2010-11).

**5.3 (a) Area irrigated by Canals:** About 14.73 lakh hectares of gross cropped area was irrigated by canals during 2011-12 as against 15.22 lakh hectares during 2010-11. The gross cropped area irrigated by canal was the highest in Raichur (2.1 lakh hectares) followed by Bellary and Bijapur (1.3 lakh hectares). The net area irrigated by canals was 11.8 lakh hectares as against 11.6 lakh hectares during 2010-11. Raichur had the largest net area irrigated (1.7 lakh hectares) followed by Bijapur and Mysore (1.1 lakh hectares).

**(b) Area irrigated by Tanks:** Before the formation of major irrigation projects, tank irrigation was popular in the State. During 2011-12, the gross cropped area irrigated by tanks was 1.96 lakh hectares. The largest gross cropped area irrigated by tanks was in Shimoga (0.6 lakh hectares) followed by Hassan (0.3 lakh hectares) and least in Koppal (175 hectares). Net area irrigated by tanks in the State was 1.8 lakh hectares. The largest net area irrigated by tanks was in Shimoga (0.5 lakh hectares) followed by Hassan (0.26 lakh hectares) and least in Koppal (175 hectares).

**(c) Area irrigated by Wells:** Gross cropped area irrigated by wells was 4.7 lakh hectares during 2011-12 as against 5.0 lakh hectares during 2010-11. The largest gross area irrigated was in Belgaum (1.6 lakh hectares) and Bijapur (0.9 lakh hectares). Net area irrigated by wells was 4.2 lakh hectares as against 4.4 lakh hectares during 2010-11. The largest net area irrigated by wells was in Belgaum (1.4 lakh hectares) followed by Bijapur (0.8 lakh hectares).

**(d) Area irrigated by Tube/Bore Wells:** Gross area irrigated through tube / bore wells was 15.4 lakh hectares during 2011-12 as against 15.5 lakh hectares during 2010-11. The largest gross area irrigated by tube / bore wells was in Belgaum (1.8 lakh hectares) followed by Tumkur (1.6 lakh hectares). The net area irrigated through the source tube/bore wells was 12.8 lakh hectares in 2011-12. The largest net area irrigated was in Belgaum 1.6 lakh hectares followed by Tumkur district (1.4 lakh hectares).

**(e) Area irrigated by Lift Irrigation:** Gross area irrigated under lift irrigation was 1.2 lakh hectares during 2011-12. The largest gross area irrigated was in Bellary (0.5 lakh hectares) followed by Belgaum (0.2 lakh hectares). Net area irrigated under lift irrigation scheme in the state was 0.9 lakh hectares during 2011-12. The largest net area irrigated was in Bellary (0.3 lakh hectares) followed by Belgaum (0.2 lakh hectares).

**(f) Area irrigated by other sources of Irrigation:** In the State, 3.4 lakh hectares of gross area and 2.9 lakh hectares of net area was irrigated by other sources of water like seepage, streams, ponds, river, pickups etc. The largest gross (1.3 lakh hect) and net (1.1 lakh hect) area was irrigated by Bagalkote District.

**5.4** District wise percentage of area irrigated through different sources of irrigation is given in Annexure - 6. Gross cropped area irrigated was 41.4 lakh hectares and net area irrigated was 34.4 lakh hectares in the State. Thus, the area irrigated more than once was 7.0 lakh hectares during 2011-12 as against 7.9 lakh hect area in 2010-11. The area

irrigated more than once was largest in Bellary (0.95 lakh hectares) and Belgaum (0.72 lakh hectares) and least in Kodagu (30 hectares) during 2011-12.

### 6. Cropping Pattern:

6.1 During 2011-12 the net area cultivated in the State was 99,41,399 hectares and area sown more than once was 21,17,968 totaling to 12,059,367 as gross cropped area compared to 13,062,163 hectares during 2010-11. Gross cropped area was largest in Belgaum district (8.4%) followed by Gulbarga (8.1%).

6.2 The gross cropped area under food crops was 9,091,234 hectares (75.4%) and that of non-food crops was 2,968,133 hectares (24.6%). It is observed that there is an decrease in area under both food and nonfood crops of about 807,776 & 195,020 hectares respectively. Details of area under different crops and their percentage shares for the years 2011-12 and 2010-11 are given below in Table - 4

**Table – 4**

**Gross cropped area under different crops during the year 2011-12 and 2010-11**

Sl. No.	Name of the Crop	2011-12		2010-11	
		Area (hect)	% to Total	Area (hect)	% to Total
<b>I Food crops</b>					
1	Paddy	1409916	11.7	1532261	11.7
2	Jowar	1133316	9.4	1242071	9.5
3	Bajra	286244	2.4	309227	2.4
4	Maize	1324598	11.0	1260018	9.6
5	Ragi	667591	5.5	750588	5.7
6	Wheat	225472	1.9	254755	2.0
7	Navane	9673	0.1	12321	0.1
8	Save	12216	0.1	10496	0.1
9	Haraka	17	Neg	3	Neg
10	Other MMs	275	Neg	284	Neg
<b>Total (1 to 10)</b>		<b>5069318</b>	<b>42.0</b>	<b>5372024</b>	<b>41.1</b>
11	Bengal gram	802646	6.7	958704	7.3
12	Tur	766281	6.4	889005	6.8
13	Horse gram	177891	1.5	216449	1.7
14	Black gram	92119	0.8	126762	1.0
15	Green gram	290018	2.4	397766	3.0
16	Avare	66753	0.6	80370	0.6

Sl. No.	Name of the Crop	2011-12		2010-11	
		Area (hect)	% to Total	Area (hect)	% to Total
17	Cowpea	86447	0.7	93606	0.7
18	Other pulses	9872	0.1	11126	Neg
<b>Total (11to 18)</b>		<b>2292027</b>	<b>19.0</b>	<b>2773788</b>	<b>21.2</b>
<b>Total food grains</b>		<b>7361345</b>	<b>61.0</b>	<b>8145812</b>	<b>62.4</b>
19	Sugarcane	646908	5.4	644369	4.9
20	Palm	421	Neg	241	Neg
21	Chillies	100389	0.8	113797	0.9
22	Cardamum	19366	0.2	19081	0.1
23	Arecanut	215473	1.8	210592	1.6
24	Fruits	356634	3.0	343488	2.6
25	Vegetables	292022	2.4	312818	2.4
26	Other food crops	98676	0.8	108812	0.8
<b>Total food crops (1 to 26)</b>		<b>9091234</b>	<b>75.4</b>	<b>9899010</b>	<b>75.8</b>
27	Ground nut	668854	5.5	838026	6.4
28	Sesamum	59965	0.5	85538	0.7
29	Safflower	55288	0.5	55038	0.4
30	Sunflower	380329	3.2	407950	3.1
31	Mustard	4119	Neg	3710	Neg
32	Linseed	8523	0.1	11358	0.1
33	Nigerseed	18431	0.2	23112	0.2
34	Soyabean	190973	1.6	168033	1.3
35	Castor	16148	0.1	18553	0.1
36	Other oilseeds	3732	Neg	3532	Neg
<b>Total (27 to 36)</b>		<b>1406362</b>	<b>11.7</b>	<b>1614850</b>	<b>12.4</b>
37	Coconut	443384	3.7	440006	3.4
38	Cotton	568565	4.7	545288	4.2
39	Mulberry	46102	0.4	47640	0.4
40	Tobacco	111218	0.9	122280	0.9
41	Other non food crops	392502	3.3	393089	3.0
<b>Total non food crops (27 to 40)</b>		<b>2968133</b>	<b>24.6</b>	<b>3163153</b>	<b>24.2</b>
<b>Total (1 to 40)</b>		<b>12059367</b>	<b>100.0</b>	<b>13062163</b>	<b>100.0</b>

(Neg =Negligible as it is less than 0.1%)

6.3 The area was increased in Maize, Saave and Haraka and decreased in all other cereals and pulses in 2011-12 compared to 2010-11. The area under sugarcane, Palm, Cardamum, Arecanut and Fruits increased and area decreased in chillies, vegetables and other food crops. Area under all oilseeds decreased except under Safflower, Mustard, Soyabean and other oilseeds.

Area under Coconut and Cotton were increased and Tobacco, Mulberry and other non food crops were decreased during 2011-12 compared to 2010-11. Area under some food and nonfood crops decreased due to untimely rain and change of crops and the area under some food and nonfood crops increased due to good demand and price in market and profitability. District wise area covered under food and non-food crops with their percentage to State's total are presented in Annexure-7.

### 7. Details of Crop wise Gross Area Irrigated:

7.1 Totally, 41,36,864 hectares or 34.3 % of gross cropped area was irrigated in the State during 2011-12 as against 32.8 % during 2010-11. Paddy crop alone occupied 25.6 % of the Gross irrigated area. The other major crops irrigated (Gross) were Maize (12.6 %) and Sugarcane (15.6%). Totally 80.6% of the gross irrigated area was under food crops. In that 46.0 % of the area was under cereals and minor millet crops. 7.4% and 4.2% of the Gross irrigated area was under oilseeds and pulses respectively. Crop wise gross area irrigated during 2011-12 is given in Table - 5.

**Table – 5**  
**Cropwise Gross Area Irrigated (GAI) during 2011-12 & 2010-11**

Sl. No	Name of the Crop	2011-12			2010-11		
		Gross area irrigated (in hectares)	% of crop area irrigated to		Gross area irrigated (in hectares)	% of crop area irrigated to	
			GAI of all crops	Gross area under crop		GAI of all crops	Gross Area under crop
<b>I Food crops</b>							
1	Paddy	1060038	25.6	75.2	1180436	27.6	77.0
2	Jowar	130064	3.1	11.5	116744	2.7	9.4
3	Bajra	31984	0.8	11.2	31315	0.7	10.1
4	Maize	519235	12.6	39.2	499673	11.7	39.7
5	Ragi	33411	0.8	5.0	38203	0.9	5.1
6	Wheat	126077	3.0	55.9	144351	3.4	56.7
7	M Millets	196	Neg	0.9	267	Neg	1.2
<b>Total (1 to 7)</b>		<b>1901005</b>	<b>46.0</b>	<b>37.5</b>	<b>2010989</b>	<b>47.0</b>	<b>37.4</b>



Sl. No	Name of the Crop	2011-12			2010-11		
		Gross area irrigated (in hectares)	% of crop area irrigated to		Gross area irrigated (in hectares)	% of crop area irrigated to	
			GAI of all crops	Gross area under crop		GAI of all crops	Gross Area under crop
8	Bengalgram	120962	2.9	15.1	120824	2.8	12.6
9	Tur	34100	0.8	4.5	46942	1.1	5.3
10	Other Pulses	19505	0.5	2.7	22857	0.5	2.5
<b>Total (8 to 10)</b>		<b>174567</b>	<b>4.2</b>	<b>7.6</b>	<b>190623</b>	<b>4.5</b>	<b>6.9</b>
<b>Total food grains (1 to 10)</b>		<b>2075572</b>	<b>50.2</b>	<b>28.2</b>	<b>2201612</b>	<b>51.5</b>	<b>27.0</b>
11	Sugarcane	646810	15.6	100.00	644239	15.1	99.9
12	Palm	207	Neg	49.2	25	Neg	10.4
13	Con.& spice	294306	7.1	67.8	301927	7.1	66.8
14	Fruits & vegetables	317010	7.7	48.9	315563	7.4	48.1
<b>Total food crops</b>		<b>3333905</b>	<b>80.6</b>	<b>36.7</b>	<b>3463366</b>	<b>81.0</b>	<b>35.0</b>
<b>II Non Food Crops</b>							
15	Groundnut	184848	4.5	27.6	212178	5.0	25.3
16	Castor	149	Neg	0.9	268	Neg	1.4
17	Sesamum	699	Neg	1.2	686	Neg	0.8
18	Mustard	447	Neg	10.9	471	Neg	12.7
19	Linseed	19	Neg	Neg	1	Neg	Neg
20	Safflower	251	Neg	0.5	299	Neg	0.5
21	Sunflower	99841	2.4	26.3	105692	2.5	25.9
22	Soyabean	15554	0.4	8.1	17427	0.4	10.4
23	Nigerseed	51	<b>Neg</b>	0.3	320	Neg	1.4
<b>Total (15 to 23)</b>		<b>304323</b>	<b>7.4</b>	<b>21.6</b>	<b>337342</b>	<b>7.9</b>	<b>20.9</b>
24	Coconut	252389	6.1	56.9	247055	5.8	56.1
25	Cotton	148024	3.6	26.0	130942	3.1	24.0
26	Tobacco	14851	0.4	13.4	16189	0.4	13.2
27	Mulberry	43257	1.0	93.8	44477	1.0	93.4
28	Other non food crops	40115	1.0	10.2	39478	0.9	10.0
<b>Total non food crops</b>		<b>802959</b>	<b>19.4</b>	<b>27.1</b>	<b>815483</b>	<b>19.1</b>	<b>25.8</b>
<b>All crops (Total)*</b>		<b>4136864</b>	<b>100.00</b>	<b>34.3</b>	<b>4278849</b>	<b>100.0</b>	<b>32.8</b>

(Neg: Negligible as it is less than 0.1%)

## 8. Area, Production and Productivity of Crops:

Production estimates are prepared in respect of 60 principal crops taking into account the area as recorded in reconciliation of crop area statistics and Annual season and crop statistics Report and the yield rate obtained on the basis of the results of crop cutting experiments. In respect of fruit and vegetable crops, yield rates as per the results of crop cutting experiments conducted under the scheme "Crop Estimation Survey on Fruit and Vegetable Crops" are taken in to account. For the calculation of production estimates of crops for which no crop cutting experiments were conducted, the yield rates were calculated through oral enquiry of farmers for Nigerseed, Mustard, Papaya, Coconut, Dry Ginger, Cardamom, Garlic, Blackpepper, Coriander, Korle, Madaki, Peas, Cashewnut, Arecanut, Topioca, Sweetpotato and Mesta and by traditional method for Haraka, Baragu and Sunhemp. The area under unauthorized cultivation is also taken care for estimation of production. The cropwise details are as follows.

### 8.1 Cereals and Minor Millets:

8.1.1 Paddy, Jowar, Ragi, Bajra, Maize and Wheat are the important cereals and navane, save are the minor millets grown in the State. Total of these cover 51.2 lakh hectares of the total cropped area in the State during the year under review as against 54.5 lakh hectares during 2010-11. Area, production and productivity of these crops during 2011-12 and 2010-11 are presented in Table - 6.

**Table – 6**

#### **Area, Production and Productivity of Cereals and Minor Millets**

Sl. No.	Crop	Area* (lakh hectares)		Production (lakh tonnes)		Productivity (kgs per hectare)	
		2011-12	2010-11	2011-12	2010-11	2011-12	2010-11
1	Rice	14.2	15.4	41.8	44.7	3108	3060
2	Jowar	11.3	12.4	10.1	13.5	939	1138
3	Ragi	6.8	7.9	11.5	15.0	1784	2002
4	Bajra	2.9	3.1	2.6	2.9	958	995
5	Maize	13.5	12.9	38.9	43.3	3033	3547
6	Wheat	2.3	2.5	2.0	3.0	938	1241
<b>Total Cereals</b>		<b>51.0</b>	<b>54.3</b>	<b>106.9</b>	<b>122.45</b>	<b>2211</b>	<b>2377</b>
7	Navane	0.1	0.1	0.03	0.05	326	379
8	Save	0.1	0.1	0.09	0.07	766	695
<b>Total MMs</b>		<b>0.2</b>	<b>0.2</b>	<b>0.12</b>	<b>0.1</b>	<b>573</b>	<b>528</b>
<b>Total Cereals and MMs</b>		<b>51.2</b>	<b>54.5</b>	<b>107.1</b>	<b>122.57</b>	<b>2204</b>	<b>2369</b>

MM - minor millets. Totals may not tally due to rounding off of the figures

\* - Area in this table includes unauthorized cultivation area also.

8.1.2 Total area covered under cereal crops and minor millets are decreased from 54.5 to 51.2 lakh hectares compared to previous year. Among cereals, Paddy crop alone covered 14.2 lakh hectares followed by maize 13.5 lakh hectares. The area of Cereals and Minor millets was largest in Belgaum (4.3 lakh hectares) followed by Davanagere and Bijapur (3.6 lakh hectares).

8.1.3 During 2011-12 the total production of cereals and minor millets was 107.1 lakh tonnes as against 122.6 lakh tonnes during 2010-11. The yield rate decreased from 2369 to 2204 kgs per hectare compared to previous year. Production of Cereals and Minor millets was highest in Davangere (10.8 lakh tonnes) followed by Belgaum (8.7 lakh tonnes). The yield of cereals and minor millets was highest in Shimoga (3567 kgs per hect) followed by Davangere (3187 kgs per hectare) and lowest in Gulbarga (1058 kgs per hectare).

### 8.2 Pulses:

8.2.1 Bengalgram, Tur, Horsegram, Blackgram, Greengram, Cowpea and Avare are the principal pulses cultivated in the State. Compared to previous year, area of pulses decreased from 27.9 to 23.0 lakh hectares. The yield of Blackgram, Avare, Cowpea increased, and that of all other pulses are decreased. Crop wise details are seen in Table-7.

**Table-7**  
**Area, Production and Productivity of Pulses**

Sl. No.	Crop	Area *		Production		Productivity	
		(lakh hectares)		(lakh tonnes)		(Kgs per hectare)	
		2011-12	2010-11	2011-12	2010-11	2011-12	2010-11
1	Gram	8.0	9.6	3.6	6.1	470	667
2	Tur	7.7	8.9	3.5	5.2	482	617
3	Horsegram	1.8	2.2	0.9	1.3	547	624
4	Blackgram	0.9	1.3	0.4	0.5	399	390
5	Greengram	2.9	4.0	0.7	1.1	270	289
6	Avare	0.7	0.8	0.7	0.7	1112	858
7	Cowpea	0.9	1.0	0.4	0.4	513	470
8	Others	0.1	0.1	0.03	0.03	262	298
<b>Total</b>		<b>23.0</b>	<b>27.9</b>	<b>10.2</b>	<b>15.3</b>	<b>472</b>	<b>578</b>

\* - Area includes unauthorized cultivation area also

8.2.2 Area under pulses was largest in Gulbarga (5.9 lakh hectares) followed by Bijapur (2.4 lakh hectares).

8.2.3 The area production and productivity of pulses were decreased from 27.9 to 23.0 lakh hectares, 15.3 to 10.2 lakh tonnes and 578 to 472 Kgs/ hectare compared to 2010-11. This decrease was mainly due to deficit rain and bad weather condition.

The production recorded highest under pulses in Gulbarga (3.1 lakh tonnes) followed by Bidar (0.8 lakh tonnes). Yield of pulses was highest in Kolar (1612 kgs per hect) followed by Ramanagar (1042 kgs per hect) and lowest in Koppal (221 kgs per hect).

### **8.3 Total Food grains:**

8.3.1 The total area under food grains in the State was 74.1 lakh hectares during 2011-12 as against 82.4 during 2010-11. This area was largest in Gulbarga (8.5 lakh hectares) followed by Bijapur (6.0 lakh hectares) and least in Bangalore (Urban) (0.3 lakh hectares).

8.3.2 Total food grains production in the State was 117.4 lakh tonnes during 2011-12 as against 138.0 lakh tonnes during 2010-11. The highest production was in Davanagere (10.9 lakh tonnes) followed by Belgaum (9.0 lakh tonnes) and the lowest in Bangalore (Urban) (0.8 lakh tonnes). Districtwise details are in Annexure - 8.

8.3.3 The yield rate of food grains of Karnataka State was 1667 kgs per hectares and it was highest in Shimoga (3525 kgs per hect) followed by Davanagere (3082 kgs per hect) and lowest in Gulbarga (708 kgs per hect).

### **8.4 Oilseeds:**

8.4.1 The important oilseed crops grown in the State are Groundnut, Sunflower, Safflower, Sesamum, Castor, Linseed, Soya bean, Mustard and Niger seed. Total area under oilseeds in the State was 14.1 lakh hectares during 2011-12 as against 16.2 during 2010-11. Crop wise area, production and productivity of oilseed crops are given in Table- 8.

**Table- 8**  
**Area, Production and Productivity of Oil Seeds**

Sl. No.	Crop	Area *		Production		Productivity	
		(lakh hectares)	(lakh hectares)	(lakh tonnes)	(lakh tonnes)	(Kgs per hectares)	(Kgs per hectares)
		2011-12	2010-11	2011-12	2010-11	2011-12	2010-11
1	Groundnut	6.8	8.5	4.4	6.0	679	747
2	Sunflower	3.8	4.1	1.7	2.2	462	563
3	Safflower	0.6	0.6	0.3	0.5	648	932
4	Sesamum	0.6	0.9	0.3	0.5	530	596
5	Castor	0.2	0.2	0.1	0.2	883	881
6	Linseed	0.1	0.1	0.02	0.04	258	353
7	Soyabean	1.9	1.7	1.9	1.5	1063	926
8	Rape & Mustard	0.04	0.04	0.01	0.01	289	338
9	Niger seed	0.2	0.2	0.05	0.07	275	304
<b>Total</b>		<b>14.1</b>	<b>16.2</b>	<b>8.8</b>	<b>10.9</b>	<b>658</b>	<b>709</b>

Neg – negligible

\* - Area includes unauthorized cultivation area also

8.4.2 Compared to 2010-11, the area under Total Oilseeds has decreased. The area is increased under soyabean, decreased under Groundnut, Sesamum, Sunflower. The area under Safflower, Rape & Musturd, Nigarseed, Castor and Linseed remains the same. The largest area registered in Belgaum (1.4 lakh hectares) followed by Bijapur (1.2 lakh hectares).

8.4.3 Total production of oilseeds decreased during the year 2011-12 compared to 2010-11, from 10.9 to 8.8 lakh tonnes. The total production of oilseeds was highest in Belgaum (1.3 lakh tonnes) followed by Bidar (1.0 lakh tonnes). The average yield was highest in Udupi (2476 kgs per hectare). District wise details are given in Annexure-8. The Bar chart showing the Area, Production and Productivity of Cereals & Minor Millets, Pulses, Food grains and Oilseeds for the year 2011-12 and 2010-11 are given in Annexure 8.1.1, 8.1.2, and 8.1.3.

### **8.5 Commercial Crops:**

8.5.1 Cotton, Sugarcane and Tobacco are the important commercial crops grown in the State. Table – 9, gives the three dimensional details.

**Table - 9**  
**Area, Production and Productivity of Commercial Crops**

Sl. No.	Crop	Area # (Lakh hectares)		Production (lakh tonnes)		Productivity (Kgs per hectares)	
		2011-12	2010-11	2011-12	2010-11	2011-12	2010-11
1	Cotton	5.7	5.5	12.0	11.5	378	376
2	Sugarcane (H)	4.3	4.4	394.7	422.8	96	102
3	Tobacco	1.1	1.3	1.0	1.4	964	1150

Note: \*Production of Cotton in lakh bales of 170 kgs in lint form,

\*\*Productivity of Sugarcane in tonnes per hectare

# - Area includes unauthorized cultivation also

8.5.2 The Area, Production and Productivity of cotton increased and decreased in Sugarcane and Tobacco during the year compared to previous year.

### **8.6 Horticulture Crops:**

8.6.1 The important horticulture crops of the State are Mango, Banana, Grapes, Guava, Sapota, Papaya, Lemon, Cashewnut, Coconut, Tapioca, Sweet potato, Onion, Potato, Chillies, Tomato, Brinjal, Beans, Turmeric etc. Table-10 contains data on Area, production and yield of horticulture crops.

**Table – 10**  
**Area, Production and Productivity of Horticulture Crops**

Sl. No.	Crop	Area (000 hectares)		Production (000 tonnes)		Productivity (Kgs per hectares)	
		2011-12	2010-11	2011-12	2010-11	2011-12	2010-11
1	Mango	142.5	137.2	798.3	665.0	5600	4847
2	Banana	69.3	65.8	1730.5	1536.2	24987	23359
3	Grapes	18.4	15.8	789.9	635.1	42826	40223
4	Guava	4.7	4.6	41.1	29.2	8648	6331
5	Sapota	19.6	18.3	111.0	87.8	5659	4789
6	Papaya	3.4	3.4	178.7	183.1	52322	54633
7	Cashewnut-Raw	63.2	63.4	50.6	46.5	809	741
	Cashewnut-Processed	63.2	63.4	12.7	11.6	202	185
8	Pomogranate	13.1	12.8	165.3	150.2	12591	11701
9	Lemon	9.5	9.2	85.9	78.1	9048	8466
10	Coconut	443.8	440.7	4411.6	4213.4	10042	9656
11	Tapioca	0.9	0.9	9.1	9.7	10661	11160
12	Sweet Potato	1.8	2.0	26.8	17.0	14719	8324
13	Onion	153.8	162.3	805.0	1042.3	5509	6762
14	Potato	38.4	40.2	347.9	340.8	9544	8917
15	Tomato	36.6	43.4	461.2	502.6	12616	11573
16	Brinjal	12.8	13.3	168.7	159.3	13165	11973
17	Beans	6.3	7.6	53.9	63.6	8613	8334
18	Turmeric	25.5	14.2	128.2	70.2	5023	4954
19	Cabbage	5.4	6.1	99.1	111.6	18359	18162

8.6.2 Area under Mango, Banana, Grapes, Guava, Sapota, Pomegranate, Lemon, Coconut and Turmeric increased, area under Cashewnut both raw and processed, Sweet potato, Onion, Potato, Tomato, Brinjal, Beans, Cabbage decreased. And area remains same under Papaya and Tapioca during 2011-12 compared to 2010-11. Production of all crops increased except Papaya, Tapioca, Onion, Tomato, Beans and Cabbage. Yield of all crops increased except Papaya, Tapioca and Onion during 2011-12.

### **8.7 Condiments and Spice Crops:**

8.7.1 Dry Chillies, Dry Ginger, Cardamom, Garlic, Black Pepper, Arecanut and Coriander are the important Condiment and Spice crops of Karnataka. The area of condiments and spice crops increased except Dry Chillies, Dry Ginger and Coriander compared to 2010-11.

8.7.2 Production of all Condiments and Spices decreased except Garlic and remains same under cardamom. Yield of all Condiments and Spices decreased except cardamom and Coriander. Area Production and Productivity of condiments and spices are given in Table - 11.

**Table – 11**  
**Area, Production and Productivity of Condiments & Spices**

Sl. No.	Crop	Area (Thousand hect)		Production (Thousand tones)		Productivity (Kgs per hect)	
		2011-12	2010-11	2011-12	2010-11	2011-12	2010-11
1	Dry Chillies	100.4	113.8	106.5	122.9	1116	1136
2	Dry Ginger	29.4	46.5	935.1	1681.6	3214	3655
3	Cardamom	19.4	19.1	1.6	1.6	83	82
4	Garlic	5.1	4.2	6.4	5.5	1261	1305
5	Pepper	21.7	21.1	61.5	127.2	286	610
6	Areca nut-Raw	216.2	211.3	1750.6	2284.4	8180	10922
	Areca nut-Processed	216.2	211.3	350.1	455.2	1636	2183
7	Coriander	3.0	4.3	1.2	1.6	410	377

**9. Index Number of Area, Production and Productivity of Crops:**

9.1 The index numbers of area, production and productivity (with 1981-82 as base year) for the year 2011-12 and 2010-11 were compiled for 37 crops. Sub group wise details are given in Table - 12.

**Table – 12**  
**Index Numbers of Area, Production and Productivity**

**(Base year :1981-82)**

Sl. No.	Crop	Area		Production		Productivity	
		2011-12	2010-11	2011-12	2010-11	2011-12	2010-11
1	Cereals	86.1	91.7	172.4	198.7	129.7	139.2
2	Pulses	147.8	179.4	306.1	494.4	103.8	131.1
3	Food grains	98.9	109.9	189.5	236.5	126.2	138.0
4	Oilseeds	97.3	111.7	139.9	133.6	102.7	120.2
5	Fibres	53.4	51.3	162.0	154.9	305.6	304.3
6	Plantation crops	123.0	123.0	152.0	152.0	144.3	144.3
7	Condiments and spices	168.8	173.7	512.6	660.2	200.1	178.6
8	Fruits & vegetables	296.4	300.0	633.8	579.5	245.2	223.5
9	Misc.crops	242.7	249.0	300.3	331.2	146.8	176.0
10	Non – Food crops	106.0	112.8	272.5	280.3	177.2	169.4
<b>All Crops</b>		<b>101.1</b>	<b>110.8</b>	<b>218.8</b>	<b>252.0</b>	<b>148.5</b>	<b>151.6</b>

### 10. Price Trend:

10.1 The wholesale and retail prices of important crops were collected fortnightly by the District Statistical Officer from the head quarter Agriculture Produce Marketing Committees of Agricultural Marketing Department based on which annual average wholesale and retail prices of selected commodities are worked out and presented in Table - 13.

**Table – 13**

#### **Annual Wholesale & Retail Prices of important commodities for 2011-12 & 2010-11**

Sl. No.	Commodities	Wholesale Prices (Rs.Per Quintal)			Retail Prices (Rs.Per Kg)		
		2011-12	2010-11	%	2011-12	2010-11	%
1	Rice (Coarse)	1652	1683	-1.84	19	19.34	-1.76
2	Jowar (white)	1934	1591	21.54	22	18.36	19.83
3	Bajra	1318	1410	-6.51	16.00	15.93	0.44
4	Ragi	1138	1064	6.94	13.00	13.03	-0.23
5	Maize	1085	952	13.97	13.00	11.51	12.95
6	Wheat	1853	1796	3.17	21.00	20.51	2.39
7	Gram	3626	2601	39.41	38.00	29.19	30.18
8	Turdhal	6115	6072	0.71	64.00	64.64	-0.99
9	Horsegram	1718	1884	-8.81	20.00	22.32	-10.39
10	Blackgram	4535	4282	5.90	48.00	46.90	2.35
11	Greengram	5331	5284	0.90	56.00	59.50	-5.88
12	Potato	1189	1256	-5.33	16.00	14.98	6.81
13	Onion	971	1684	-42.34	13.00	18.86	-31.07
14	Dry Chillies (Byadagi)	9479	7845	20.83	98.00	86.97	12.68

Source : SIP, Division, DES

10.2 The annual average wholesale prices of Jowar, Ragi, Maize, Wheat, Gram, Tur, Black Gram, Green Gram and Dry Chillies are in increasing trend the other Commodities have shown decreasing trend during 2011-12. The wholesale prices varied from -42.34% for Onion to 39.41% for Gram.

10.3 During 2011-12 the annual average retail prices, of Jowar, Bajra, Maize, Wheat, Gram, Black Gram, Potato and Dry Chillies are in increasing trend and all other commodities



shown decreasing trend during 2011-12. The retail prices varied from -31.07% for Onion to 30.18% for Gram.

### 11. Farm Harvest Prices:

11.1 The farm harvest prices of agriculture produce were collected in order to gauge the price levels which prevailed during the peak harvesting period. These prices for important crops for the year 2011-12 and 2010-11 are presented in Table - 14.

**Table - 14**

**Farm Harvest Prices\* of Important agriculture crops for 2011-12 & 2010-11**

Sl. No	Commodities	State's average farm harvest prices (Rs.per quintal)		
		2011-12	2010-11	% variation
1	Paddy	1092	1057	3.31
2	Jowar (Kharif)	1378	1146	20.24
3	Jowar (Rabi)	2190	1926	13.71
4	Ragi	1024	941	8.82
5	Maize	1066	987	8.00
6	Bajra	978	802	21.95
7	Wheat	1686	1597	5.57
8	Bengalgram	3510	2335	50.32
9	Tur	3604	3567	1.04
10	Horsegram	1404	1301	7.92
11	Greengram	3894	3649	6.71
12	Blackgram	3246	3861	-15.93
13	Drychillies	7831	5744	36.33
14	Groundnut	3405	3073	10.80
15	Sesasm	4081	4119	-0.92
16	Castor	3368	2570	31.05
17	Linseed	2888	2910	-0.76
18	Sugarcane	200	160	25.00
19	Tobacco	9432	8624	9.37
20	Coconut**	6698	6265	6.91
21	Potato	956	1002	-4.59
22	Onion	939	946	-0.74
23	Cotton	3872	4573	-15.33
	Source : SIP Division, DES			
	* = based on season wise reports ** = 1000 nuts			

11.2 The prices of all commodities except Black gram, Sesamum, Linseed, Potato, Onion and Cotton showed an increasing trend during 2011-12 over 2010-11.

### **12. Index Number of Farm Harvest Prices:**

12.1 The index number of farm harvest prices were calculated for 19 crops under the sub-groups viz., cereals, pulses, food crops, oilseeds, fibres and miscellaneous crops in the State with triennium ending 1961-62 as base year. The details for 2011-12 and 2010-11 are presented in Table - 15.

**Table – 15**  
**Index Number of Farm Harvest Prices for 2011-12 & 2010-11**  
**(Base Year : 1961-62)**

Sl. No	Sub-groups	Index Number		
		2011-12	2010-11	% variation
1	Cereals	3092	2862	8.04
2	Pulses	8363	7436	12.47
3	Food Crops	3278	3022	8.47
4	Oil Seeds	5859	5395	8.6
5	Fibres	4195	4955	-15.34
6	Miscellaneous Crops	4681	3746	24.96
7	Non food Crops	4747	3964	19.75
<b>All Commodities</b>		<b>4145</b>	<b>3578</b>	<b>15.85</b>

Source : SIP Division, DES

12.2 The index numbers of all sub groups increased except fibers decreased during 2011-12. It was highest in respect of miscellaneous crops followed by non food crops.

### **13. Consumer Price Index Numbers for Agricultural Labourers:**

13.1 The consumer price index number of agricultural labourers for food groups stood at 640 points and the general index at 631 points in July 2011. At the end of the year i.e., in June 2012, the number was 704 for food group and 696 for general group. Table – 16 provides these index numbers month wise, for 2011-12.

**Table – 16**  
**Consumer Price Index Number of Agricultural Labourers in Karnataka 2011-12**

Month	Food	General
July, 2011	640	631
August, 2011	645	637
September, 2011	657	648

Month	Food	General
October, 2011	671	658
November, 2011	678	665
December, 2011	676	664
January, 2012	675	667
February, 2012	672	669
March, 2012	675	672
April, 2012	692	684
May, 2012	698	691
June, 2012	704	696

Source : SIP Division, DES

#### 14. Agriculture Wages:

14.1 The districtwise, class wise, details of agricultural wages for the year 2011-12 are given in Annexure - 9. There was an increase in the wages of carpenter, blacksmith during the year 2011-12 compared to 2010-11. The wages of skilled labourers and agricultural laborers in dry land, wet land and garden land has increased in 2011-12 compared to that of 2010-11. The state average wage of Carpenters, Black smiths and Mochis has increased by 30.6%, 31.0% and 32.4% respectively during 2011-12. The increase in wages during 2011-12 compared to 2010-11 is seen in Table -17. It may be observed that the wages of women is lower than that of their counterparts in all the categories. District-wise details are in Annexure-9

**Table -17**

#### **Agriculture Labourers Wages - State Average for the year 2011-12**

Category	Sex	Dry Land		% of increase	Wet Land		% of increase	Garden Land		% of increase
		2011-12	2010-11		2011-12	2010-11		2011-12	2010-11	
A	M	213	181	17.7	212	173	22.5	216	169	27.8
	F	129	97	33	131	97	35.1	130	99	31.3
B	M	166	127	30.7	169	130	30.0	168	129	30.2
	F	127	94	35.1	128	97	32.0	128	95	34.7
C	M	121	100	21	113	97	16.5	115	105	9.5
	F	102	82	24.4	100	77	29.9	101	78	29.5
D	M	199	155	28.4	200	148	35.1	200	148	35.1
	F	147	110	33.6	142	103	37.9	153	112	36.6

**Note:**

A= Labourers at the time of ploughing, digging, sowing, interculturing, watering and uprooting

B= Labourers at the time of manuring, transplanting, weeding, reaping and picking

C= Activities like cattle, sheep and goat grazing

D= Harvesting in areca and coconuts, peeling the coconuts, arecanuts, trimming and spraying in areca and coconut gardens and any other operations relating to arecanut and coconut gardens

M= Male, F= Female.

**15. Livestock Census:**

15.1 The data collected on quinquennial census during 2012 on livestock and agricultural machinery are given in Annexure - 10. During livestock census 2012, compared to livestock census 2007, the total livestock population was decreased by 11.8%, out of which cattle's share was -9.43% and that of buffaloes was 19.8%. During the same period the number of sheeps, Horses & Ponies, mules and Poultry registered an increase of 0.19%, 16.75%, 440.43% and 25.94% respectively but showed a decline to the extent of -22.1% in the number of Goats, -37.5% in Donkeys and - 24.9% in Camels.

Due to use of mechanized implements in live stock sector, the Agricultural implements both human and animal operated are too less in the field. So, that is not available in **19<sup>th</sup> Live Stock Census, 2012**. No of equipments used in live stock sector is seen in Annexure-10.

\* \* \* \* \*

# **ANNEXURE**



## ANNEXURE : 1

## DISTRICTWISE NORMAL AND ACTUAL RAINFALL DURING KHARIF 2011-12 (in mms)

SI No	DISTRICTS	Apr-11			May-11			Jun-11			Jul-11			Aug-11			April 2011 to August 2011		
		N	A	CI	N	A	CI	N	A	CI	N	A	CI	N	A	CI	N	A	CI
1	BAGALKOTE	23	35	E	57	84	E	72	76	N	74	79	N	68	105	E	294	379	E
2	B'LORE(R)	37	77	E	103	91	N	64	43	D	95	98	N	118	198	E	417	507	E
3	B'LORE(U)	32	110	E	81	137	E	59	56	N	92	106	N	109	239	E	373	648	E
4	BELGAUM	31	39	E	78	49	D	121	262	E	212	249	N	127	250	E	569	849	E
5	BELLARY	26	29	N	64	56	N	67	66	N	77	71	N	82	67	N	316	289	N
6	BIDAR	20	35	E	31	23	D	132	50	S	191	271	E	195	234	E	569	613	N
7	BIJAPUR	18	27	E	44	46	N	89	43	D	87	80	N	86	95	N	324	291	N
8	CHAMARAJANAGAR	58	130	E	134	101	D	45	50	N	63	43	D	62	73	N	362	397	N
9	CHICKBALLAPUR	24	44	E	69	92	E	52	38	D	79	89	N	94	181	E	318	444	E
10	CHIKMAGALUR	60	95	E	110	72	D	368	368	N	696	417	D	426	363	N	1660	1315	D
11	CHITRADURGA	26	50	E	70	49	D	44	44	N	53	33	D	54	47	N	247	223	N
12	D.KANNADA	46	90	E	173	88	D	857	1069	E	1074	1088	N	749	976	E	2899	3311	N
13	DAVANAGERE	34	52	E	76	60	D	67	95	E	101	80	D	79	99	E	357	386	N
14	DHARWAR	46	68	E	88	62	D	108	144	E	149	103	D	101	123	E	492	500	N
15	GADAG	33	57	E	76	44	D	80	52	D	72	70	N	74	90	E	335	313	N
16	GULBARGA	19	26	E	37	27	D	120	50	D	158	198	E	165	182	N	499	483	N
17	HASSAN	51	105	E	97	122	E	157	263	E	302	271	N	198	257	E	805	1018	E
18	HAVERI	41	95	E	83	58	D	109	133	E	173	135	D	111	127	N	517	548	N
19	KODAGU	84	137	E	162	94	D	503	743	E	835	721	N	556	625	N	2140	2320	N
20	KOLAR	22	78	E	68	65	N	44	33	D	66	98	E	74	122	E	274	396	E
21	KOPPAL	21	40	E	53	57	N	66	53	D	79	94	N	87	99	N	306	343	N
22	MANDYA	42	101	E	108	103	N	43	14	S	49	39	D	52	60	N	294	317	N
23	MYSORE	59	127	E	124	96	D	69	59	N	102	75	D	67	83	E	421	440	N
24	RAICHUR	18	16	N	117	23	S	60	58	N	79	92	N	100	96	N	374	285	D
25	RAMANAGAR	43	97	E	39	138	E	78	31	S	112	97	N	119	112	N	391	475	E
26	SHIMOGA	30	51	E	85	30	S	465	710	E	888	802	N	591	659	N	2059	2252	N
27	TUMKUR	25	63	E	77	85	N	46	43	N	58	62	N	62	89	E	268	342	E
28	UDUPI	28	42	E	171	36	S	1080	1374	E	1318	1422	N	913	1157	E	3510	4031	N
29	U.KANNADA	25	55	E	119	28	S	698	877	E	988	943	N	598	701	N	2428	2604	N
30	YADGIR	20	34	E	35	41	N	115	58	D	156	162	N	157	156	N	483	451	N
<b>AVERAGE RAINFALL</b>		<b>38</b>	<b>65</b>	<b>E</b>	<b>93</b>	<b>65</b>	<b>D</b>	<b>191</b>	<b>284</b>	<b>E</b>	<b>302</b>	<b>323</b>	<b>N</b>	<b>215</b>	<b>292</b>	<b>E</b>	<b>839</b>	<b>1029</b>	<b>E</b>

Note: E= Excess, N = Normal, D = Deficit, S = Scanty, A = Actual , C = Classification

Normal : 50 years if Average Rainfall ( 1941 -1990 )

**ANNEXURE : 1 (contd)**  
**DISTRICTWISE NORMAL AND ACTUAL RAINFALL DURING RABI 2011-12 (in mms)**

SI.No.	DISTRICTS	Sep-11			Oct-11			Nov-11			Dec-11			Sept 2011 to Dec 2011		
		N	A	CI	N	A	CI	N	A	CI	N	A	CI	N	A	CI
1	BAGALKOTE	144	50	S	102	85	N	28	0	S	7	0	S	281	135	D
2	B'LORE(R)	177	41	S	156	134	N	52	32	D	16	5	S	401	212	D
3	B'LORE(U)	154	84	D	148	154	N	44	46	N	11	4	S	357	288	N
4	BELGAUM	114	172	E	109	124	N	35	5	S	6	0	S	264	301	N
5	BELLARY	138	23	S	106	61	D	30	7	S	10	0	S	284	91	S
6	BIDAR	187	67	S	81	33	D	19	0	S	7	0	S	294	100	S
7	BIJAPUR	167	30	S	100	34	S	24	0	S	7	0	S	298	64	S
8	CHAMARAJANAGAR	107	18	S	150	130	N	62	110	E	28	9	S	347	267	D
9	CHICKBALLAPUR	146	44	S	142	123	N	46	52	N	14	9	D	348	228	D
10	CHIKMAGALUR	169	214	E	163	180	N	53	51	N	11	0	S	396	445	N
11	CHITRADURGA	107	20	S	107	106	N	31	14	D	9	0	S	254	140	D
12	D.KANNADA	295	530	E	214	287	E	80	156	E	18	4	S	607	977	E
13	DAVANAGERE	108	51	D	109	90	N	37	8	S	6	0	S	260	149	D
14	DHARWAR	121	62	D	112	169	E	41	5	S	7	0	S	281	236	N
15	GADAG	140	28	S	111	57	D	32	0	S	7	0	S	290	85	S
16	GULBARGA	197	43	S	103	57	D	21	1	S	5	0	S	326	101	S
17	HASSAN	122	149	E	148	204	E	50	125	E	10	1	S	330	479	E
18	HAVERI	98	87	N	110	122	N	43	14	S	7	0	S	258	223	N
19	KODAGU	223	390	E	205	229	N	77	114	E	18	0	S	523	733	E
20	KOLAR	130	38	S	126	134	N	52	50	N	17	10	D	325	232	D
21	KOPPAL	145	39	S	106	32	S	22	2	S	6	0	S	279	73	S
22	MANDYA	121	26	S	154	183	N	50	106	E	16	2	S	341	317	N
23	MYSORE	91	56	D	142	180	E	46	84	E	13	0	S	292	320	N
24	RAICHUR	164	37	S	166	35	S	51	0	S	14	0	S	395	72	S
25	RAMANAGAR	155	42	S	102	167	E	20	47	E	5	1	S	282	257	N
26	SHIMOGA	180	442	E	131	135	N	38	41	N	5	0	S	354	618	E
27	TUMKUR	135	39	S	124	123	N	39	39	N	9	1	S	307	202	D
28	UDUPI	435	721	E	208	229	N	77	129	E	15	1	S	735	1080	E
29	U.KANNADA	253	476	E	140	118	N	50	38	D	10	0	S	453	632	E
30	YADGIR	191	41	S	116	47	D	23	0	S	5	0	S	335	88	S
<b>AVERAGE RAINFALL</b>		153	167	N	137	128	N	45	43	N	11	1	S	346	339	N

Note: E= Excess, N = Normal, D = Deficit, S = Scanty, A = Actual, C = Classification  
Normal : 50 years if Average Rainfall ( 1941 -1990 )



**ANNEXURE : 1 (contd)**  
**DISTRICTWISE NORMAL AND ACTUAL RAINFALL DURING SUMMER 2011-12 (in mms)**

SI.No	DISTRICTS	Jan-12			Feb-12			Mar-12			Jan 2012 to March 2012			Annual 2011-12		
		N	A	CI	N	A	CI	N	A	CI	N	A	CI	N	A	CI
1	BAGALKOTE	1	0	S	2	0	S	6	0	S	9	0	S	584	514	N
2	B'LORE(R)	2	0	S	7	0	S	8	1	S	17	1	S	835	720	N
3	B'LORE(U)	1	0	S	3	0	S	5	0	S	9	0	S	739	936	E
4	BELGAUM	2	1	D	1	1	N	7	0	S	10	2	S	843	1152	E
5	BELLARY	1	0	S	2	0	S	3	0	S	6	0	S	606	380	D
6	BIDAR	5	0	S	8	0	S	11	0	S	24	0	S	887	713	D
7	BIJAPUR	2	0	S	3	1	S	6	0	S	11	1	S	633	356	D
8	CHAMARAJANAGAR	3	1	S	6	0	S	12	0	S	21	1	S	730	665	N
9	CHICKBALLAPUR	2	1	D	3	0	S	6	2	S	11	3	S	677	675	N
10	CHIKMAGALUR	2	0	S	2	0	S	12	0	S	16	0	S	2072	1760	N
11	CHITRADURGA	1	0	S	1	0	S	5	0	S	7	0	S	508	363	D
12	D.KANNADA	3	0	S	2	2	N	9	2	S	14	4	S	3520	4292	E
13	DAVANAGERE	1	0	S	1	0	S	4	0	S	6	0	S	623	535	N
14	DHARWAR	3	0	S	4	0	S	8	0	S	15	0	S	788	736	N
15	GADAG	1	0	S	1	0	S	4	0	S	6	0	S	631	398	D
16	GULBARGA	4	0	S	3	0	S	9	0	S	16	0	S	841	584	D
17	HASSAN	2	0	S	2	0	S	8	3	S	12	3	S	1147	1500	E
18	HAVERI	1	0	S	1	0	S	5	0	S	7	0	S	782	771	N
19	KODAGU	4	1	S	5	1	S	19	6	S	28	8	S	2691	3061	N
20	KOLAR	2	2	N	4	1	S	8	1	S	14	4	S	613	632	N
21	KOPPAL	1	0	S	1	0	S	2	0	S	4	0	S	589	416	D
22	MANDYA	2	0	S	4	0	S	9	0	S	15	0	S	650	634	N
23	MYSORE	2	0	S	4	1	S	11	0	S	17	1	S	730	761	N
24	RAICHUR	1	0	S	5	0	S	10	0	S	16	0	S	785	357	D
25	RAMANAGAR	1	0	S	2	0	S	4	0	S	7	0	S	680	732	N
26	SHIMOGA	1	0	S	1	0	S	5	1	S	7	1	S	2420	2871	N
27	TUMKUR	1	0	S	2	0	S	6	4	D	9	4	D	584	548	N
28	UDUPI	3	0	S	1	0	S	5	0	S	9	0	S	4254	5111	E
29	U.KANNADA	1	0	S	1	0	S	3	0	S	5	0	S	2886	3236	N
30	YADGIR	4	0	S	4	0	S	6	0	S	14	0	S	832	539	D
<b>AVERAGE RAINFALL</b>		2	0	S	3	0	S	8	1	S	13	1	S	1198	1369	N

E= Excess, N = Normal, D = Deficit, S = Scanty, A = Actual, C = Classification

Normal : 50 years if Average Rainfall ( 1941 -1990 )

**ANNEXURE -2**  
**CLASSIFICATION OF TOTAL GEOGRAPHICAL AREA IN KARNATAKA, 2011-12**

(Area in Hectares)

Sl. No.	District	Geographical Area		Classification of Area			
		Professional Survey	Village Papers	Forest	Not Available for Cultivation		Cultivable Waste
					Land put to Non-agricultural uses	Barren & Uncultivable Land	
1	2	3	4	5	6	7	8
1	BAGALKOT	658877	658877	81126	28832	24810	2035
2	BANGALORE(U)	217410	217410	5055	115806	4911	3844
3	BANGALORE(R)	229519	229519	11322	39978	11124	3898
4	BELGAUM	1344382	1344382	190424	69795	44342	11465
5	BELLARY	813196	813196	97017	110291	53477	24839
6	BIDAR	541765	541765	27707	22006	19127	19382
7	BIJAPUR	1053471	1053471	1977	36068	29059	5502
8	CHAMARAJANAGAR	569901	569901	275610	24611	21434	7637
9	CHIKKABALLAPURA	404501	404501	49704	31933	34302	4743
10	CHICKMAGALUR	722075	722075	200485	43190	28322	19412
11	CHITRADURGA	770702	770702	73719	51243	25403	21612
12	D.KANNADA	477149	477149	128476	65509	58780	30554
13	DAVANGERE	597597	597597	89918	39079	20533	8525
14	DHARWAD	427329	427329	35235	22982	3985	2669
15	GADAG	465715	465715	32614	10481	11628	1010
16	GULBARGA	1094120	1094120	35316	38420	35113	9417
17	HASSAN	662602	662602	58775	79405	30365	14142
18	HAVERI	485156	485156	47454	33096	5793	2989
19	KODAGU	410775	410775	134597	24215	31010	9076
20	KOLAR	374966	374966	20620	45677	28870	6397
21	KOPPAL	552495	552495	29451	39003	16627	2568
22	MANDYA	498244	498244	24765	60906	21519	41955
23	MYSORE	676382	676382	62851	75946	45018	21407
24	RAICHUR	835843	835843	18167	20563	20084	10712
25	RAMANAGARA	355912	355912	69946	26225	24339	1178
26	SHIMOGA	847784	847784	276855	88708	13312	16311
27	TUMKUR	1064755	1064755	45177	84956	67539	62642
28	UDUPI	356446	356446	100102	39876	11595	38528
29	U.KANNADA	1024679	1024679	813595	34547	16234	6450
30	YADGIR	516088	516088	33773	29609	27966	2385
	<b>STATE</b>	<b>19049836</b>	<b>19049836</b>	<b>3071833</b>	<b>1432956</b>	<b>786621</b>	<b>413284</b>

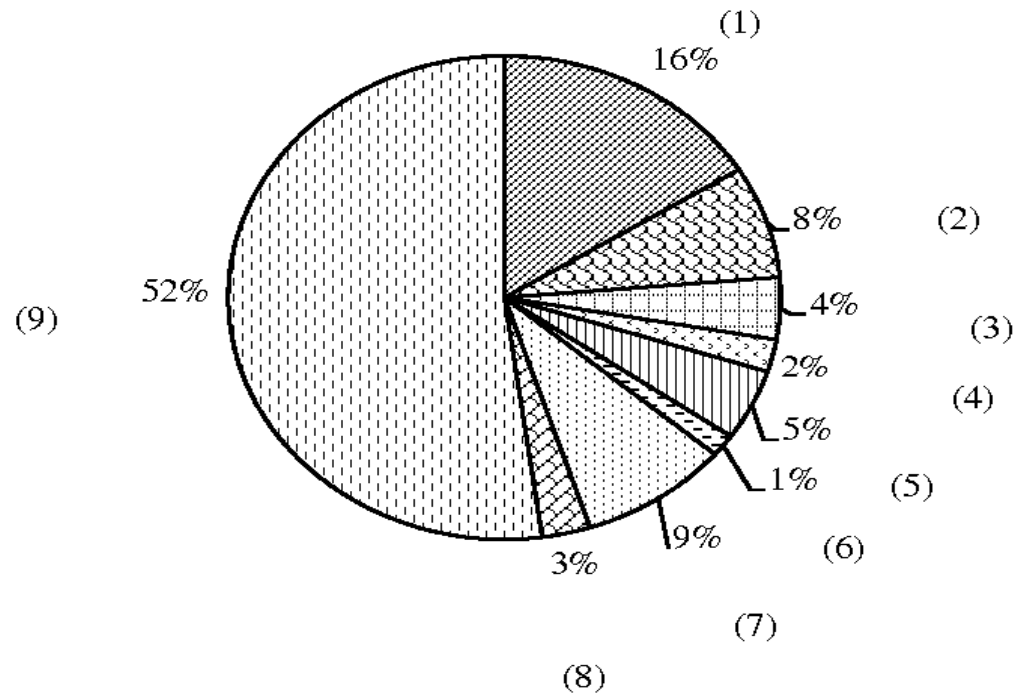
**ANNEXURE -2 (contd)**  
**CLASSIFICATION OF TOTAL GEOGRAPHICAL AREA IN KARNATAKA, 2011-12**

(Area in Hectares)

Sl. No.	District	Classification of Area					Total Cropped Area	Area sown more than once (14)-(13)
		Uncultivated land excluding fallow land		Fallow Land		Net Area Sown		
		Permanent Pastures & other grazing land	Miscellaneous Tree Crops, Groves(*)	Current Fallows	Other Fallow Land			
1	2	9	10	11	12	13	14	15
1	BAGALKOT	3429	274	30819	9971	477581	616301	138720
2	BANGALORE(U)	5674	7517	17779	5391	51433	53591	2158
3	BANGALORE(R)	3879	12498	9653	11397	125770	130615	4845
4	BELGAUM	24807	3046	226952	6971	766580	1011264	244684
5	BELLARY	5472	3606	91048	13374	414072	532016	117944
6	BIDAR	13964	10915	37597	40275	350792	415695	64903
7	BIJAPUR	9575	1316	215485	5685	748804	844202	95398
8	CHAMARAJANAGAR	22750	4741	15745	12977	184396	222404	38008
9	CHIKKABALLAPURA	55550	6482	9939	6381	205467	215484	10017
10	CHICKMAGALUR	88585	21257	23044	4792	292988	323635	30647
11	CHITRADURGA	88740	11317	89767	21801	387100	453484	66384
12	D.KANNADA	19027	31652	6288	5417	131446	157683	26237
13	DAVANGERE	19538	4955	20620	5419	389010	486680	97670
14	DHARWAD	3571	202	63426	6617	288642	477025	188383
15	GADAG	2592	273	49348	5145	352624	494617	141993
16	GULBARGA	25855	1131	38648	14394	895826	972506	76680
17	HASSAN	32943	6963	50127	30690	359192	449236	90044
18	HAVERI	12209	2290	12114	6004	363207	411129	47922
19	KODAGU	13884	20219	4231	3621	169922	185882	15960
20	KOLAR	39418	7009	33449	10312	183214	194233	11019
21	KOPPAL	14675	210	19659	80104	350198	433195	82997
22	MANDYA	32049	3428	34867	46351	232404	272524	40120
23	MYSORE	46808	5871	39116	34457	344908	536323	191415
24	RAICHUR	19816	13684	227704	47051	458062	541135	83073
25	RAMANAGARA	24662	3950	20435	20875	164302	168997	4695
26	SHIMOGA	163463	26868	8811	25491	227965	267814	39849
27	TUMKUR	76453	21033	167729	29684	509542	575961	66419
28	UDUPI	10625	46763	269	8560	100128	117884	17756
29	U.KANNADA	16625	4806	5906	14214	112302	123533	11231
30	YADGIR	11755	737	101212	5129	303522	374319	70797
<b>STATE</b>		<b>908393</b>	<b>285013</b>	<b>1671787</b>	<b>538550</b>	<b>9941399</b>	<b>12059367</b>	<b>2117968</b>

## ANNEXURE - 2.1

## PIE CHART SHOWING THE LAND USE CLASSIFICATION FOR THE YEAR 2011-12



■ Forest	■ Land put to non-agriculture use
■ Barren & uncultivable land	■ Cultivable waste
■ Permanent pastures & other graz. Land	■ Land under miscellaneous tree, crops, groves etc.,
■ Current fallow	■ Other fallow land
■ Net area sown	

**ANNEXURE - 3**  
**SOURCES OF IRRIGATION IN KARNATAKA, 2011-12**

Sl. No.	District	Canals		Wells		
		Government		Number of Tube/Borewells		
		Number	Length (Kms.)	Government	Private	Total
1	2	3	4	5	6	7
1	BAGALKOT	3	189	4	29072	29076
2	BANGALORE(U)	-	-	0	24673	24673
3	BANGALORE(R)	-	-	76	30569	30645
4	BELGAUM	12	416	11	26276	26287
5	BELLARY	13	456	12	17914	17926
6	BIDAR	4	180	8	9676	9684
7	BIJAPUR	5	296	0	30431	30431
8	CHAMARAJANAGAR	8	187	25	23672	23697
9	CHIKKABALLAPURA	-	-	12	49715	49727
10	CHICKMAGALUR	2	50	2	1207	1209
11	CHITRADURGA	3	142	156	25093	25249
12	D.KANNADA	-	-	3	6729	6732
13	DAVANGERE	4	203	84	25793	25877
14	DHARWAD	-	48	9	4020	4029
15	GADAG	1	105	11	9533	9544
16	GULBARGA	6	131	7	1864	1871
17	HASSAN	11	514	0	40944	40944
18	HAVERI	1	47	44	25255	25299
19	KODAGU	9	92	16	209	225
20	KOLAR	-	-	0	79791	79791
21	KOPPAL	6	112	21	6496	6517
22	MANDYA	20	780	5	6528	6533
23	MYSORE	33	1308	0	26208	26208
24	RAICHUR	8	150	30	5541	5571
25	RAMANAGARA	7	178	57	38002	38059
26	SHIMOGA	16	378	10	20103	20113
27	TUMKUR	5	87	71	121062	121133
28	UDUPI	-	-	0	642	642
29	U.KANNADA	4	20	10	508	518
30	YADGIR	7	167	0	547	547
	<b>STATE</b>	<b>188</b>	<b>6236</b>	<b>684</b>	<b>688073</b>	<b>688757</b>

**ANNEXURE - 3 (contd)**  
**SOURCES OF IRRIGATION IN KARNATAKA, 2011-12**

Sl. No.	District	Wells				Total	Lift irrigation		
		Number of other wells used for Irrigation purpose only					Government	Private	Total
		Government		Private					
		Masonry	Non-masonry	Masonry	Non-masonry				
1	2	8	9	10	11	12	13	14	15
1	BAGALKOT	-	-	2356	9361	11717	19	-	19
2	BANGALORE(U)	-	-	2553	96	2649	-	-	-
3	BANGALORE(R)	-	-	5151	2273	7424	1	-	1
4	BELGAUM	-	-	15218	47777	62995	45	6468	6513
5	BELLARY	-	-	4957	2702	7659	37	3560	3597
6	BIDAR	8	-	6198	10838	17044	8	-	8
7	BIJAPUR	-	-	1728	40659	42387	1	-	1
8	CHAMARAJANAGAR	3	-	9913	2479	12395	4	-	4
9	CHIKKABALLAPURA	-	-	18121	13612	31733	-	-	-
10	CHICKMAGALUR	-	-	634	1574	2208	22	-	22
11	CHITRADURGA	21	13	3958	8005	11997	55	52	107
12	D.KANNADA	-	-	17121	22969	40090	6	1518	1524
13	DAVANGERE	-	-	1932	1602	3534	21	1541	1562
14	DHARWAD	1	-	681	431	1113	-	-	-
15	GADAG	-	-	1997	1775	3772	9	1	10
16	GULBARGA	-	4	3481	19055	22540	31	72	103
17	HASSAN	5	-	2549	192	2746	20	-	20
18	HAVERI	-	-	506	1609	2115	23	319	342
19	KODAGU	-	-	137	-	137	11	-	11
20	KOLAR	-	-	16963	10912	27875	-	-	-
21	KOPPAL	-	-	-	-	-	10	-	10
22	MANDYA	4	9	5385	6452	11850	16	73	89
23	MYSORE	-	-	3404	462	3866	5	-	5
24	RAICHUR	-	-	3680	6269	9949	24	4446	4470
25	RAMANAGARA	-	-	9775	2548	12323	4	-	4
26	SHIMOGA	-	-	6585	1088	7673	6	4146	4152
27	TUMKUR	13	-	33658	5885	39556	9	-	9
28	UDUPI	-	-	22019	7734	29753	4	2185	2189
29	U.KANNADA	19	-	5750	3353	9122	13	3	16
30	YADGIR	1	1	1022	4680	5704	7	274	281
	<b>STATE</b>	<b>75</b>	<b>27</b>	<b>207432</b>	<b>236392</b>	<b>443926</b>	<b>411</b>	<b>24658</b>	<b>25069</b>

**ANNEXURE - 3 (contd)**  
**SOURCES OF IRRIGATION IN KARNATAKA, 2011-12**

Sl. No	District	Number of Wells not in use	Number of Reservoirs	Number of Tanks			Number of Pumpsets		
				With ayacut of 40 hectares or more	With ayacut of less than 40 hectares	Total	Electrical	Diesel	Total
1	2	16	17	18	19	20	21	22	23
1	BAGALKOT	3354	-	29	15	44	82377	884	83261
2	BANGALORE(U)	2267	-	71	581	652	25766	22	25788
3	BANGALORE(R)	20715	-	100	654	754	40823	-	40823
4	BELGAUM	3677	5	157	741	898	172872	1739	174611
5	BELLARY	1840	3	38	111	149	49712	123	49835
6	BIDAR	2608	-	42	43	85	56583	45	56628
7	BIJAPUR	1486	-	92	-	92	98434	522	98956
8	CHAMARAJANAGAR	3740	3	77	141	218	42976	188	43164
9	CHIKKABALLAPURA	-	-	163	1080	1243	70499	-	70499
10	CHICKMAGALUR	457	2	123	2109	2232	41893	2028	43921
11	CHITRADURGA	6130	2	167	142	309	77669	84	77753
12	D.KANNADA	2150	-	-	-	-	68380	10173	78553
13	DAVANGERE	3010	-	52	359	411	63574	62	63636
14	DHARWAD	358	-	75	1156	1231	17929	272	18201
15	GADAG	493	-	19	11	30	18208	74	18282
16	GULBARGA	4355	3	53	61	114	32341	763	33104
17	HASSAN	116	5	154	5912	6066	63094	233	63327
18	HAVERI	2622	-	203	1701	1904	32626	-	32626
19	KODAGU	82	2	26	1438	1464	5910	408	6318
20	KOLAR	5974	-	111	1944	2055	79257	-	79257
21	KOPPAL	7257	2	22	40	62	46904	-	46904
22	MANDYA	723	1	160	470	630	27047	1135	28182
23	MYSORE	821	4	54	883	937	53359	214	53573
24	RAICHUR	408	-	48	257	305	28175	300	28475
25	RAMANAGARA	8914	5	83	725	808	51960	820	52780
26	SHIMOGA	1057	5	370	5607	5977	33570	2540	36110
27	TUMKUR	26628	4	426	1216	1642	197488	1533	199021
28	UDUPI	265	-	4	287	291	47471	6315	53786
29	U.KANNADA	2015	4	81	2290	2371	48496	2743	51239
30	YADGIR	1396	3	67	259	326	10248	459	10707
	<b>STATE</b>	<b>114918</b>	<b>53</b>	<b>3067</b>	<b>30233</b>	<b>33300</b>	<b>1685641</b>	<b>33679</b>	<b>1719320</b>

**ANNEXURE - 4**  
**DISTRICTWISE PERCENTAGE OF AREA SOWN TO AREA IRRIGATED, 2011-12**

(Area in Hectares)

Sl No.	District	Gross Area			Net Area		
		Sown	Irrigated	% GAI to GAS	Sown	Irrigated	% NAI to NAS
1	2	3	4	5	6	7	8
1	BAGALKOT	616301	306335	49.71	477581	284072	59.48
2	BANGALORE(U)	53591	12081	22.54	51433	10261	19.95
3	BANGALORE(R)	130615	29719	22.75	125770	25635	20.38
4	BELGAUM	1011264	523128	51.73	766580	450698	58.79
5	BELLARY	532016	288535	54.23	414072	193443	46.72
6	BIDAR	415695	66247	15.94	350792	59050	16.83
7	BIJAPUR	844202	346681	41.07	748804	292814	39.10
8	CHAMARAJANAGAR	222404	87088	39.16	184396	73354	39.78
9	CHIKKABALLAPURA	215484	61494	28.54	205467	54903	26.72
10	CHICKMAGALUR	323635	48045	14.85	292988	43341	14.79
11	CHITRADURGA	453484	95752	21.11	387100	77604	20.05
12	D.KANNADA	157683	72378	45.90	131446	70911	53.95
13	DAVANGERE	486680	255675	52.53	389010	179764	46.21
14	DHARWAD	477025	78508	16.46	288642	55089	19.09
15	GADAG	494617	118351	23.93	352624	95512	27.09
16	GULBARGA	972506	99469	10.23	895826	92017	10.27
17	HASSAN	449236	112432	25.03	359192	96238	26.79
18	HAVERI	411129	99028	24.09	363207	83708	23.05
19	KODAGU	185882	2384	1.28	169922	2354	1.39
20	KOLAR	194233	36370	18.72	183214	25351	13.84
21	KOPPAL	433195	175186	40.44	350198	125778	35.92
22	MANDYA	272524	168119	61.69	232404	141498	60.88
23	MYSORE	536323	197966	36.91	344908	173895	50.42
24	RAICHUR	541135	238352	44.05	458062	193014	42.14
25	RAMANAGARA	168997	44034	26.06	164302	42757	26.02
26	SHIMOGA	267814	174108	65.01	227965	143205	62.82
27	TUMKUR	575961	183141	31.80	509542	159802	31.36
28	UDUPI	117884	35280	29.93	100128	34099	34.06
29	U.KANNADA	123533	32404	26.23	112302	31172	27.76
30	YADGIR	374319	148574	39.69	303522	129086	42.53
<b>STATE</b>		<b>12059367</b>	<b>4136864</b>	<b>34.30</b>	<b>9941399</b>	<b>3440425</b>	<b>34.61</b>



**ANNEXURE - 5**  
**SOURCEWISE AREA IRRIGATED IN KARNATAKA, 2011-12**

(Area in Hectares)

Sl. No	District	Gross / Net area irrigated by (in Hectares)					
		Government Canals		Tanks		Wells	
		Gross	Net	Gross	Net	Gross	Net
1	2	3	4	5	6	7	8
1	BAGALKOT	57775	57775	759	759	11303	9850
2	BANGALORE(U)	-	-	-	-	-	-
3	BANGALORE(R)	-	-	-	-	-	-
4	BELGAUM	98154	78368	508	508	156475	139057
5	BELLARY	135078	90766	1995	1454	4165	3122
6	BIDAR	7771	6803	1262	953	26747	23373
7	BIJAPUR	128098	111699	735	735	94174	83047
8	CHAMARAJANAGAR	15472	13902	8582	8165	5186	4699
9	CHIKKABALLAPURA	-	-	-	-	-	-
10	CHICKMAGALUR	9493	6447	11475	11375	624	624
11	CHITRADURGA	2160	1870	-	-	-	-
12	D.KANNADA	-	-	-	-	41104	40550
13	DAVANGERE	127264	75609	2149	1476	285	285
14	DHARWAD	53886	35454	-	-	-	-
15	GADAG	47689	30200	1269	1269	2487	1827
16	GULBARGA	28429	26615	689	689	37291	34087
17	HASSAN	42307	36734	30747	25773	645	630
18	HAVERI	6168	6168	12980	12980	5	5
19	KODAGU	1611	1611	275	275	-	-
20	KOLAR	-	-	-	-	-	-
21	KOPPAL	79824	56124	175	175	-	-
22	MANDYA	125757	107550	21428	18207	9407	7635
23	MYSORE	119669	113858	18447	15280	25379	19080
24	RAICHUR	206196	168293	1317	1271	7830	6534
25	RAMANAGARA	2238	2183	811	641	-	-
26	SHIMOGA	57450	45240	56738	53621	6082	4932
27	TUMKUR	4199	4199	13265	11994	896	892
28	UDUPI	-	-	731	731	25169	24455
29	U.KANNADA	-	-	7042	6590	10016	9806
30	YADGIR	116489	100764	2841	2841	9681	8921
	<b>STATE</b>	<b>1473177</b>	<b>1178232</b>	<b>196220</b>	<b>177762</b>	<b>474951</b>	<b>423411</b>

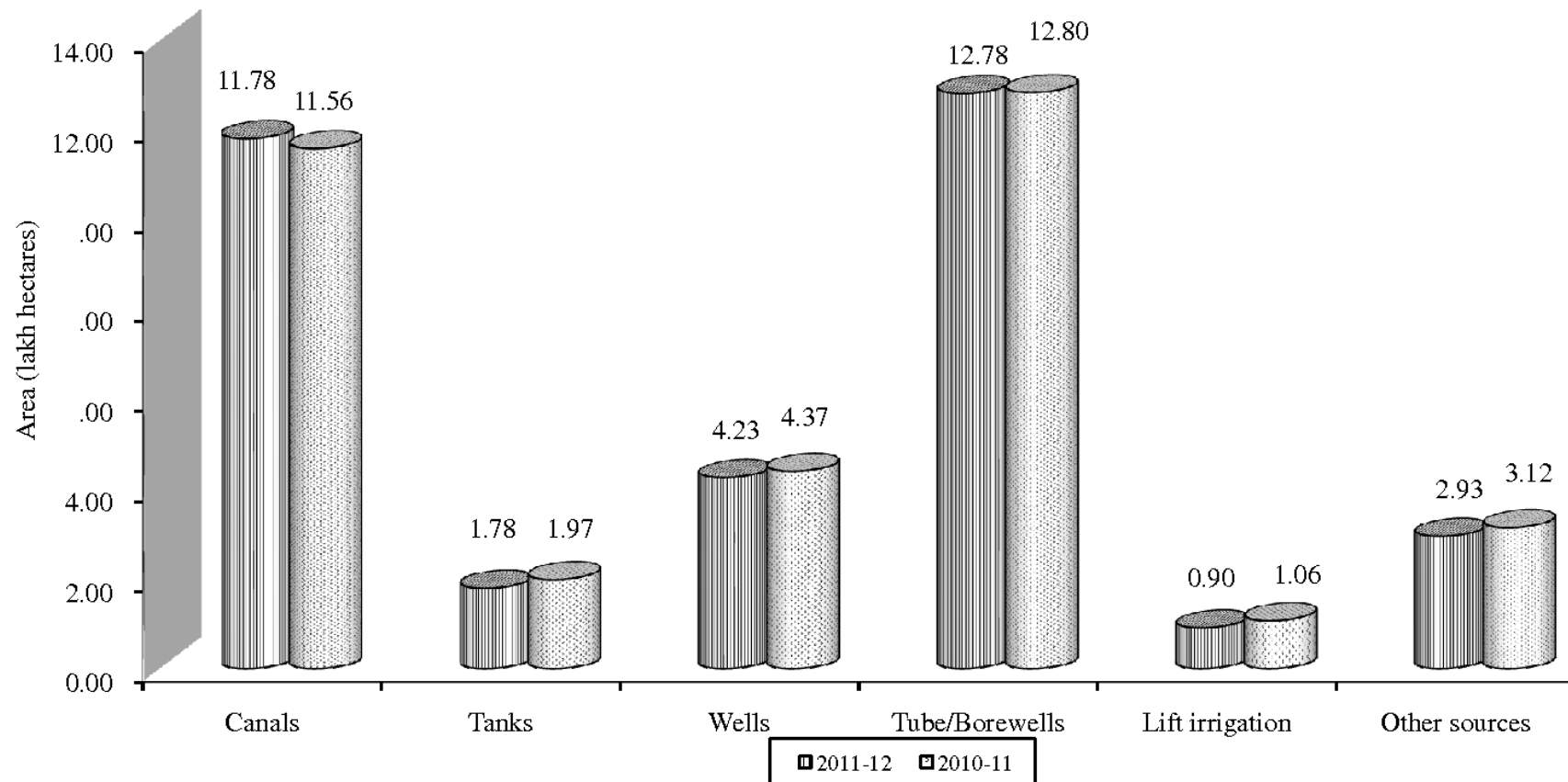
**ANNEXURE - 5 (contd)**  
**SOURCEWISE AREA IRRIGATED IN KARNATAKA, 2011-12**

(Area in Hectares)

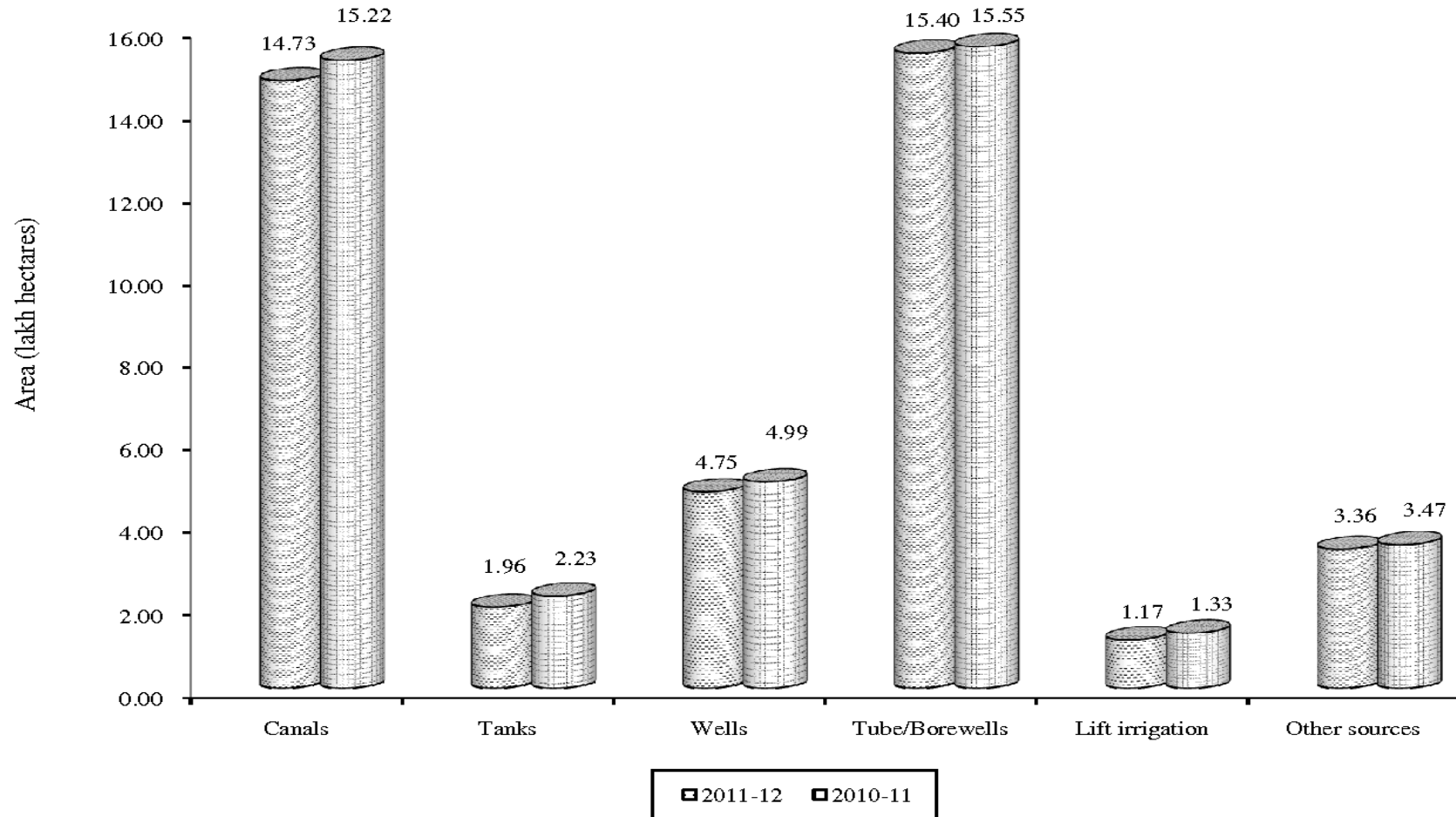
Sl. No.	District	Gross / Net area irrigated by (in Hectares)							
		Tube / Bore Wells		Lift Irrigation		Other sources		Total	
		Gross	Net	Gross	Net	Gross	Net	Gross	Net
1	2	9	10	11	12	13	14	15	16
1	BAGALKOT	107895	97854	2945	2895	125658	114939	306335	284072
2	BANGALORE(U)	12081	10261	-	-	-	-	12081	10261
3	BANGALORE(R)	29719	25635	-	-	-	-	29719	25635
4	BELGAUM	181690	160578	20605	19033	65696	53154	523128	450698
5	BELLARY	89944	60601	46216	30928	11137	6572	288535	193443
6	BIDAR	28257	25983	736	736	1474	1202	66247	59050
7	BIJAPUR	105855	81952	-	-	17819	15381	346681	292814
8	CHAMARAJANAGAR	57320	46060	528	528	-	-	87088	73354
9	CHIKKABALLAPURA	61494	54903	-	-	-	-	61494	54903
10	CHICKMAGALUR	13586	12484	260	200	12607	12211	48045	43341
11	CHITRADURGA	93592	75734	-	-	-	-	95752	77604
12	D.KANNADA	9916	9628	2147	2138	19211	18595	72378	70911
13	DAVANGERE	107483	88883	18143	13160	351	351	255675	179764
14	DHARWAD	24622	19635	-	-	-	-	78508	55089
15	GADAG	36977	36382	50	50	29879	25784	118351	95512
16	GULBARGA	28434	26649	3289	2974	1337	1003	99469	92017
17	HASSAN	36627	31287	1215	1104	891	710	112432	96238
18	HAVERI	60315	48799	496	496	19064	15260	99028	83708
19	KODAGU	88	58	50	50	360	360	2384	2354
20	KOLAR	36370	25351	-	-	-	-	36370	25351
21	KOPPAL	94512	68804	514	514	161	161	175186	125778
22	MANDYA	7268	5248	415	415	3844	2443	168119	141498
23	MYSORE	34231	25437	240	240	-	-	197966	173895
24	RAICHUR	15767	11526	7242	5390	-	-	238352	193014
25	RAMANAGARA	40725	39693	260	240	-	-	44034	42757
26	SHIMOGA	43001	30182	4923	3975	5914	5255	174108	143205
27	TUMKUR	164781	142717	-	-	-	-	183141	159802
28	UDUPI	554	554	3084	2617	5742	5742	35280	34099
29	U.KANNADA	3876	3564	680	680	10790	10532	32404	31172
30	YADGIR	12853	11195	2558	1962	4152	3403	148574	129086
<b>STATE</b>		<b>1539833</b>	<b>1277637</b>	<b>116596</b>	<b>90325</b>	<b>336087</b>	<b>293058</b>	<b>4136864</b>	<b>3440425</b>

## ANNEXURE -5.1.1

**BAR CHART SHOWING SOURCEWISE NET AREA IRRIGATED FOR THE  
YEAR  
2011-12 & 2010-11**



## ANNEXURE - 5.1.2

**BAR CHART SHOWING SOURCEWISE GROSS AREA IRRIGATED FOR THE YEAR  
2011-12 & 2010-11**

**ANNEXURE - 6**  
**PERCENTAGE OF AREA IRRIGATED BY DIFFERENT SOURCES, 2011-12**

Sl. No.	District	Net Area Irrigated						Gross Area Irrigated					
		Canals	Tanks	Wells	Borewells	Lift Irrign	Others	Canals	Tanks	Wells	Borewells	Lift Irrign	Others
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	BAGALKOT	20.34	0.27	3.47	34.45	1.02	40.46	18.86	0.25	3.69	35.22	0.96	41.02
2	BANGALORE(U)	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00
3	BANGALORE(R)	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00
4	BELGAUM	17.39	0.11	30.85	35.63	4.22	11.79	18.76	0.10	29.91	34.73	3.94	12.56
5	BELLARY	46.92	0.75	1.61	31.33	15.99	3.40	46.82	0.69	1.44	31.17	16.02	3.86
6	BIDAR	11.52	1.61	39.58	44.00	1.25	2.04	11.73	1.90	40.37	42.65	1.11	2.23
7	BIJAPUR	38.15	0.25	28.36	27.99	0.00	5.25	36.95	0.21	27.16	30.53	0.00	5.14
8	CHAMARAJANAGAR	18.95	11.13	6.41	62.79	0.72	0.00	17.77	9.85	5.95	65.82	0.61	0.00
9	CHIKKABALLAPURA	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00
10	CHICKMAGALUR	14.88	26.25	1.44	28.80	0.46	28.17	19.76	23.88	1.30	28.28	0.54	26.24
11	CHITRADURGA	2.41	0.00	0.00	97.59	0.00	0.00	2.26	0.00	0.00	97.74	0.00	0.00
12	D.KANNADA	0.00	0.00	57.18	13.58	3.02	26.22	0.00	0.00	56.79	13.70	2.97	26.54
13	DAVANGERE	42.06	0.82	0.16	49.44	7.32	0.20	49.78	0.84	0.11	42.04	7.10	0.14
14	DHARWAD	64.36	0.00	0.00	35.64	0.00	0.00	68.64	0.00	0.00	31.36	0.00	0.00
15	GADAG	31.62	1.33	1.91	38.09	0.05	27.00	40.29	1.07	2.10	31.24	0.04	25.25
16	GULBARGA	28.92	0.75	37.04	28.96	3.23	1.09	28.58	0.69	37.49	28.59	3.31	1.34
17	HASSAN	38.17	26.78	0.65	32.51	1.15	0.74	37.63	27.35	0.57	32.58	1.08	0.79
18	HAVERI	7.37	15.51	0.01	58.30	0.59	18.23	6.23	13.11	0.01	60.91	0.50	19.25
19	KODAGU	68.44	11.68	0.00	2.46	2.12	15.29	67.58	11.54	0.00	3.69	2.10	15.10
20	KOLAR	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00
21	KOPPAL	44.62	0.14	0.00	54.70	0.41	0.13	45.57	0.10	0.00	53.95	0.29	0.09
22	MANDYA	76.01	12.87	5.40	3.71	0.29	1.73	74.80	12.75	5.60	4.32	0.25	2.29
23	MYSORE	65.48	8.79	10.97	14.63	0.14	0.00	60.45	9.32	12.82	17.29	0.12	0.00
24	RAICHUR	87.19	0.66	3.39	5.97	2.79	0.00	86.51	0.55	3.29	6.62	3.04	0.00
25	RAMANAGARA	5.11	1.50	0.00	92.83	0.56	0.00	5.08	1.84	0.00	92.49	0.59	0.00
26	SHIMOGA	31.59	37.44	3.44	21.08	2.78	3.67	33.00	32.59	3.49	24.70	2.83	3.40
27	TUMKUR	2.63	7.51	0.56	89.31	0.00	0.00	2.29	7.24	0.49	89.97	0.00	0.00
28	UDUPI	0.00	2.14	71.72	1.62	7.67	16.84	0.00	2.07	71.34	1.57	8.74	16.28
29	U.KANNADA	0.00	21.14	31.46	11.43	2.18	33.79	0.00	21.73	30.91	11.96	2.10	33.30
30	YADGIR	78.06	2.20	6.91	8.67	1.52	2.64	78.40	1.91	6.52	8.65	1.72	2.79
	<b>STATE</b>	<b>34.25</b>	<b>5.17</b>	<b>12.31</b>	<b>37.14</b>	<b>2.63</b>	<b>8.52</b>	<b>35.61</b>	<b>4.74</b>	<b>11.48</b>	<b>37.22</b>	<b>2.82</b>	<b>8.12</b>

**ANNEXURE - 7**  
**DISTRICTWISE FOOD AND NON-FOOD CROPS DURING 2011-12**

SI No.	District	Food Crops			Non-Food Crops			Total Cropped Area (in hecets)
		Area (in hecets)	% to Total Cropped Area	% to State Total	Area (in hecets)	% to Total Cropped Area	% to State Total	
1	2	3	4	5	6	7	8	9
1	BAGALKOT	532344	86.38	5.86	83957	13.62	2.83	616301
2	BANGALORE(U)	37990	70.89	0.42	15601	29.11	0.53	53591
3	BANGALORE(R)	86564	66.27	0.95	44051	33.73	1.48	130615
4	BELGAUM	811352	80.23	8.92	199912	19.77	6.74	1011264
5	BELLARY	396672	74.56	4.36	135344	25.44	4.56	532016
6	BIDAR	310523	74.70	3.42	105172	25.30	3.54	415695
7	BIJAPUR	716008	84.81	7.88	128194	15.19	4.32	844202
8	CHAMARAJANAGAR	167639	75.38	1.84	54765	24.62	1.85	222404
9	CHIKKABALLAPURA	159034	73.80	1.75	56450	26.20	1.90	215484
10	CHICKMAGALUR	191390	59.14	2.11	132245	40.86	4.46	323635
11	CHITRADURGA	277190	61.12	3.05	176294	38.88	5.94	453484
12	D.KANNADA	128448	81.46	1.41	29235	18.54	0.98	157683
13	DAVANGERE	423718	87.06	4.66	62962	12.94	2.12	486680
14	DHARWAD	325954	68.33	3.59	151071	31.67	5.09	477025
15	GADAG	341249	68.99	3.75	153368	31.01	5.17	494617
16	GULBARGA	887387	91.25	9.76	85119	8.75	2.87	972506
17	HASSAN	316081	70.36	3.48	133155	29.64	4.49	449236
18	HAVERI	269426	65.53	2.96	141703	34.47	4.77	411129
19	KODAGU	69882	37.59	0.77	116000	62.41	3.91	185882
20	KOLAR	153946	79.26	1.69	40287	20.74	1.36	194233
21	KOPPAL	333321	76.94	3.67	99874	23.06	3.36	433195
22	MANDYA	227835	83.60	2.51	44689	16.40	1.51	272524
23	MYSORE	362939	67.67	3.99	173384	32.33	5.84	536323
24	RAICHUR	400908	74.09	4.41	140227	25.91	4.72	541135
25	RAMANAGARA	124514	73.68	1.37	44483	26.32	1.50	168997
26	SHIMOGA	252015	94.10	2.77	15799	5.90	0.53	267814
27	TUMKUR	314956	54.68	3.46	261005	45.32	8.79	575961
28	UDUPI	93881	79.64	1.03	24003	20.36	0.81	117884
29	U.KANNADA	109026	88.26	1.20	14507	11.74	0.49	123533
30	YADGIR	269042	71.88	2.96	105277	28.12	3.55	374319
	<b>STATE</b>	<b>9091234</b>	<b>75.39</b>	<b>100.00</b>	<b>2968133</b>	<b>24.61</b>	<b>100.00</b>	<b>12059367</b>

**ANNEXURE - 8**  
**AREA, PRODUCTION AND PRODUCTIVITY DURING 2011-12**

Sl. No.	District	Cereals and Minor Millets			Pulses			Foodgrains		
		Area (in hecets)	Production (Tonnes)	Yield (Kgs/Hect)	Area (in hecets)	Production (Tonnes)	Yield (Kgs/Hect)	Area (in hecets)	Production (Tonnes)	Yield (Kgs/Hect)
1	2	3	4	5	6	7	8	9	10	11
1	BAGALKOT	252696	475721	1982	129519	45457	369	382215	521178	1435
2	BANGALORE(U)	27252	79394	3067	4269	3673	906	31521	83067	2774
3	BANGALORE(R)	59159	173203	3082	7212	6240	911	66371	179443	2846
4	BELGAUM	429855	865695	2120	84518	34816	434	514373	900511	1843
5	BELLARY	285562	728001	2684	74889	40309	567	360451	768310	2244
6	BIDAR	97192	129310	1400	172236	83166	508	269428	212476	830
7	BIJAPUR	355278	466471	1382	241892	76412	333	597170	542883	957
8	CHAMARAJANAGAR	89283	169981	2004	30834	21103	720	120117	191084	1675
9	CHIKKABALLAPURA	104233	253785	2563	14021	9202	691	118254	262987	2341
10	CHICKMAGALUR	117626	241126	2158	23325	11170	504	140951	252296	1884
11	CHITRADURGA	184239	250126	1429	54476	22296	431	238715	272422	1201
12	D.KANNADA	55172	138185	2636	3277	1300	418	58449	139485	2512
13	DAVANGERE	356543	1079513	3187	15962	11178	737	372505	1090691	3082
14	DHARWAD	159091	181413	1200	90393	34584	403	249484	215997	911
15	GADAG	153845	184717	1264	128355	28755	236	282200	213472	796
16	GULBARGA	256303	257620	1058	592894	313569	557	849197	571189	708
17	HASSAN	188131	438569	2454	53534	23803	468	241665	462372	2014
18	HAVERI	223049	608253	2871	13354	5739	452	236403	613992	2734
19	KODAGU	38167	103497	2854	36	13	380	38203	103510	2852
20	KOLAR	66385	131557	2086	20412	31252	1612	86797	162809	1974
21	KOPPAL	233809	519188	2337	73051	15309	221	306860	534497	1834
22	MANDYA	134982	386809	3016	36410	18841	545	171392	405650	2491
23	MYSORE	208945	580468	2924	112633	59338	555	321578	639806	2094
24	RAICHUR	278078	563509	2133	116153	38916	353	394231	602425	1609
25	RAMANAGARA	81150	194737	2526	16857	16679	1042	98007	211416	2271
26	SHIMOGA	193358	655268	3567	2658	1137	450	196016	656405	3525
27	TUMKUR	208627	367627	1855	57173	28320	521	265800	395947	1568
28	UDUPI	55362	140292	2667	5374	2961	580	60736	143253	2483
29	U.KANNADA	79977	163967	2158	2157	928	453	82134	164895	2113
30	YADGIR	140514	179554	1345	121763	43654	377	262277	223208	896
<b>STATE</b>		<b>5113863</b>	<b>10707556</b>	<b>2204</b>	<b>2299637</b>	<b>1030120</b>	<b>472</b>	<b>7413500</b>	<b>11737676</b>	<b>1667</b>

**ANNEXURE - 8 (Contd)**  
**AREA, PRODUCTION AND PRODUCTIVITY DURING 2011-12**

Sl. No.	District	Oilseeds			Cotton		
		Area (in hecets)	Production (Tonnes)	Yield (Kgs/Hect)	Area (in hecets)	Production (Bales of 170 Kgs in lint form)	Yield (Kgs/Hect)
1	2	12	13	14	15	16	17
1	BAGALKOT	86468	59902	729	1881	3378	321
2	BANGALORE(U)	1268	648	538	0	0	0
3	BANGALORE(R)	1744	1122	677	0	0	0
4	BELGAUM	138670	126450	960	38012	85628	403
5	BELLARY	89605	46191	543	42371	88059	372
6	BIDAR	103456	104199	1060	632	1286	364
7	BIJAPUR	115313	34235	313	11821	30018	454
8	CHAMARAJANAGAR	31811	16461	545	6582	10390	282
9	CHIKKABALLAPURA	32262	19873	648	196	529	483
10	CHICKMAGALUR	15336	9241	634	1026	1181	206
11	CHITRADURGA	110948	53457	507	30401	37579	330
12	D.KANNADA	511	257	529	0	0	0
13	DAVANGERE	23325	22349	1009	23357	59733	458
14	DHARWAD	80129	58140	764	68969	106844	277
15	GADAG	92461	54169	617	59706	60206	180
16	GULBARGA	57525	30632	561	26496	107190	724
17	HASSAN	11896	7752	686	88	178	362
18	HAVERI	29951	30327	1066	106141	305886	516
19	KODAGU	0	0	0	0	0	0
20	KOLAR	11495	14934	1368	0	0	0
21	KOPPAL	87650	56424	678	11162	13749	220
22	MANDYA	9829	6042	647	0	0	0
23	MYSORE	20058	12306	646	44335	100051	404
24	RAICHUR	101672	48170	499	38467	69268	322
25	RAMANAGARA	12264	11081	951	0	0	0
26	SHIMOGA	2166	3236	1573	1546	4786	554
27	TUMKUR	97763	28262	304	1448	4084	505
28	UDUPI	2094	4926	2476	0	0	0
29	U.KANNADA	2751	3697	1415	3208	3298	184
30	YADGIR	42991	19388	475	61895	109245	316
<b>STATE</b>		<b>1413412</b>	<b>883871</b>	<b>658</b>	<b>579740</b>	<b>1202566</b>	<b>378</b>

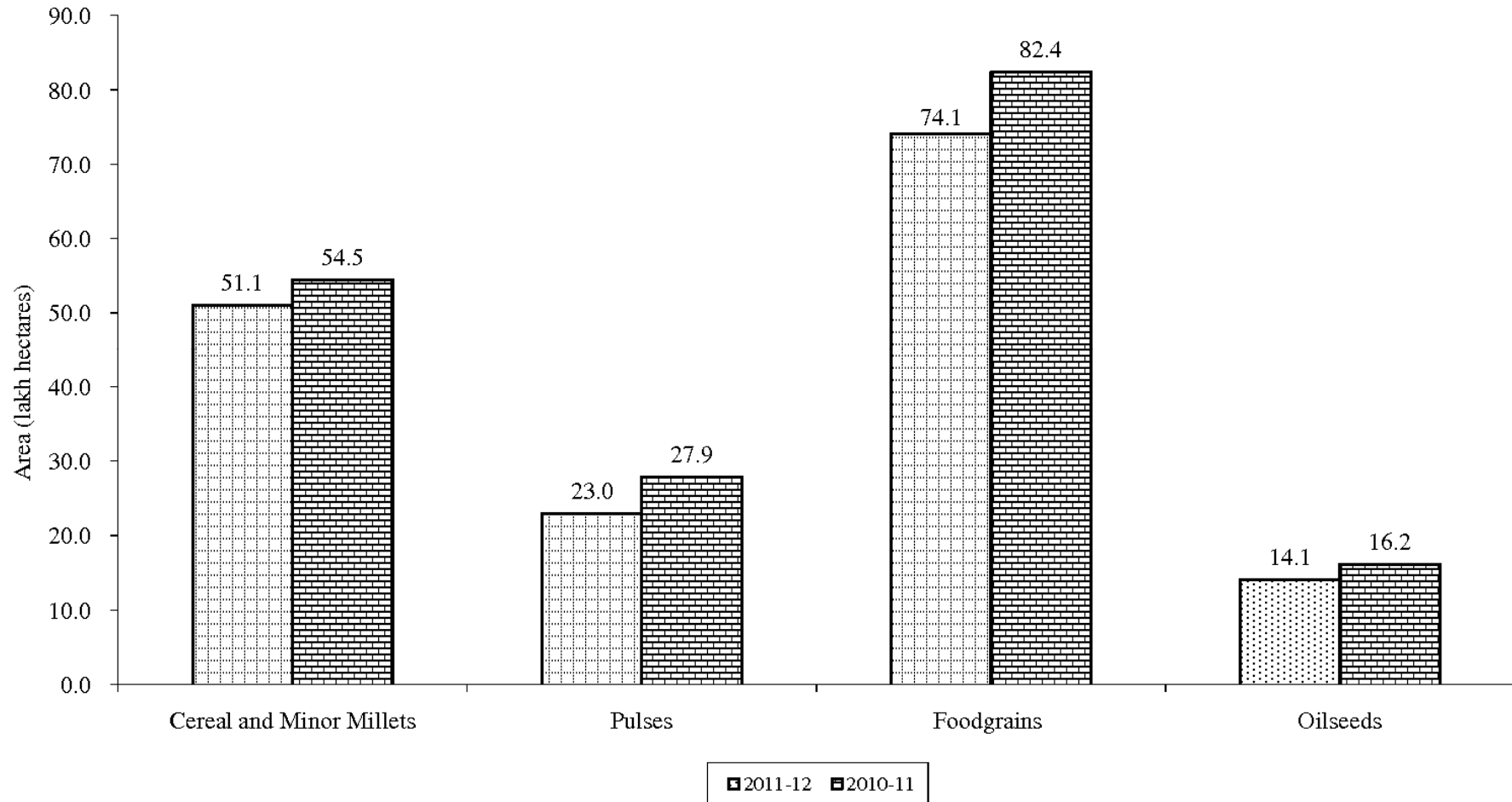


**ANNEXURE - 8 (Contd)**  
**AREA, PRODUCTION AND PRODUCTIVITY DURING 2011-12**

Sl. No.	District	Sugarcane			Tobacco		
		Area(H) (in hecets)	Production (Tonnes)	Yield (Tonnes/Hect)	Area (in hecets)	Production (Tonnes)	Yield (Kgs/Hect)
1	2	18	19	20	21	22	23
1	BAGALKOT	89361	8064830	95	0	0	0
2	BANGALORE(U)	0	0	0	0	0	0
3	BANGALORE(R)	0	0	0	0	0	0
4	BELGAUM	171205	16264475	100	14746	15578	1112
5	BELLARY	3806	318182	88	218	200	964
6	BIDAR	25507	1744679	72	0	0	0
7	BIJAPUR	44208	3233815	77	0	0	0
8	CHAMARAJANAGAR	8513	1067530	132	94	86	964
9	CHIKKABALLAPURA	202	18422	96	0	0	0
10	CHICKMAGALUR	894	68793	81	40	37	964
11	CHITRADURGA	10	912	96	438	401	964
12	D.KANNADA	19	1733	96	0	0	0
13	DAVANGERE	5281	702373	140	597	547	964
14	DHARWAD	3465	207380	63	5	5	964
15	GADAG	4305	392616	96	0	0	0
16	GULBARGA	15074	615773	43	0	0	0
17	HASSAN	2180	213313	103	15902	15666	1037
18	HAVERI	3397	280762	87	0	0	0
19	KODAGU	0	0	0	225	206	964
20	KOLAR	70	6384	96	0	0	0
21	KOPPAL	1225	111720	96	0	0	0
22	MANDYA	30966	4089060	139	0	0	0
23	MYSORE	11500	1190825	109	82234	72185	924
24	RAICHUR	0	0	0	0	0	0
25	RAMANAGARA	876	74066	89	18	16	964
26	SHIMOGA	4197	442574	111	39	36	964
27	TUMKUR	2066	178606	91	2	2	964
28	UDUPI	56	5107	96	0	0	0
29	U.KANNADA	2744	151194	58	0	0	0
30	YADGIR	278	25354	96	0	0	0
<b>STATE</b>		<b>431405</b>	<b>39470478</b>	<b>96</b>	<b>114558</b>	<b>104965</b>	<b>964</b>

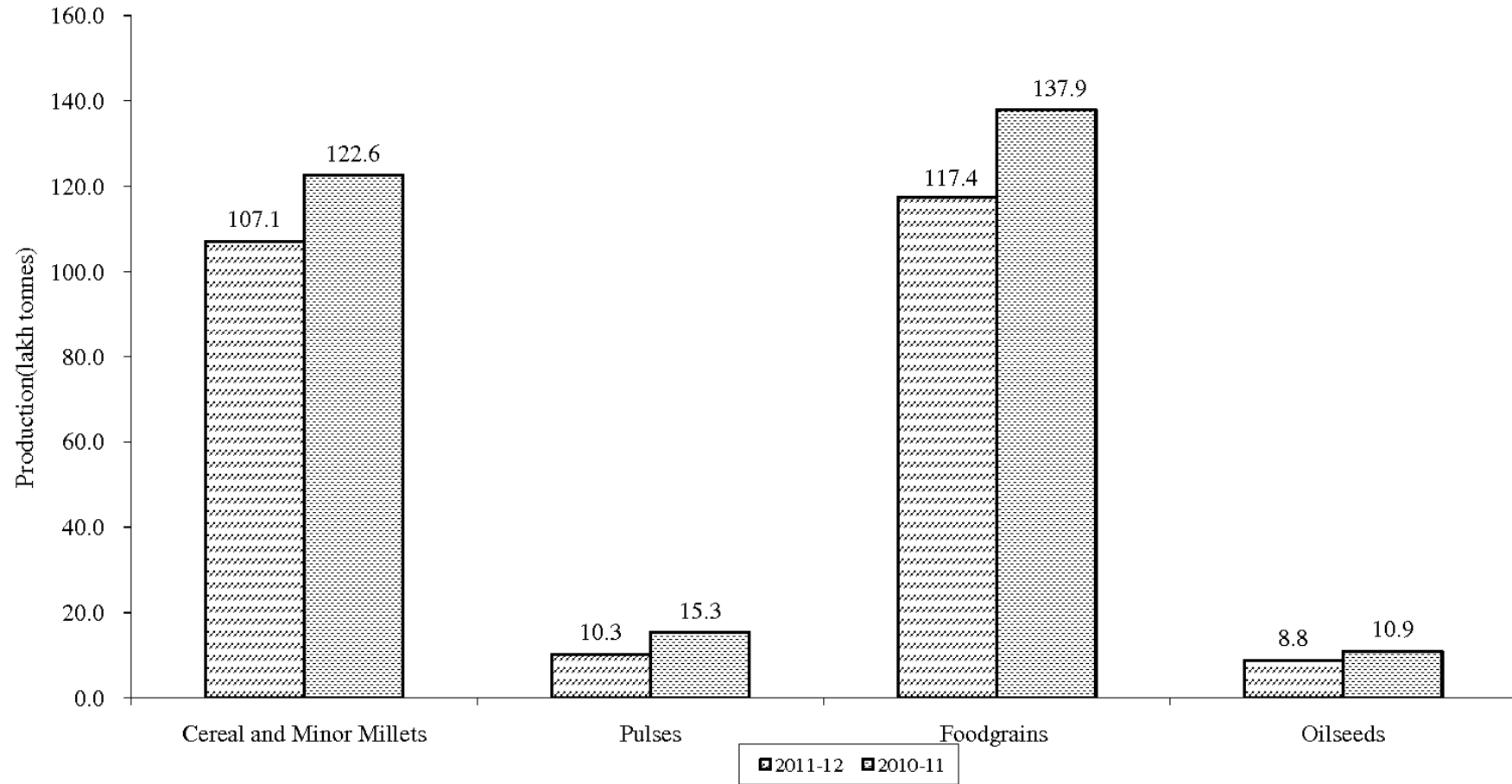
## ANNEXURE - 8.1.1

BAR CHART SHOWING AREA OF CEREALS &amp; MINOR MILLETS, PULSES, FOODGRAINS AND OILSEEDS FOR THE YEAR 2011-12 &amp; 2010-11



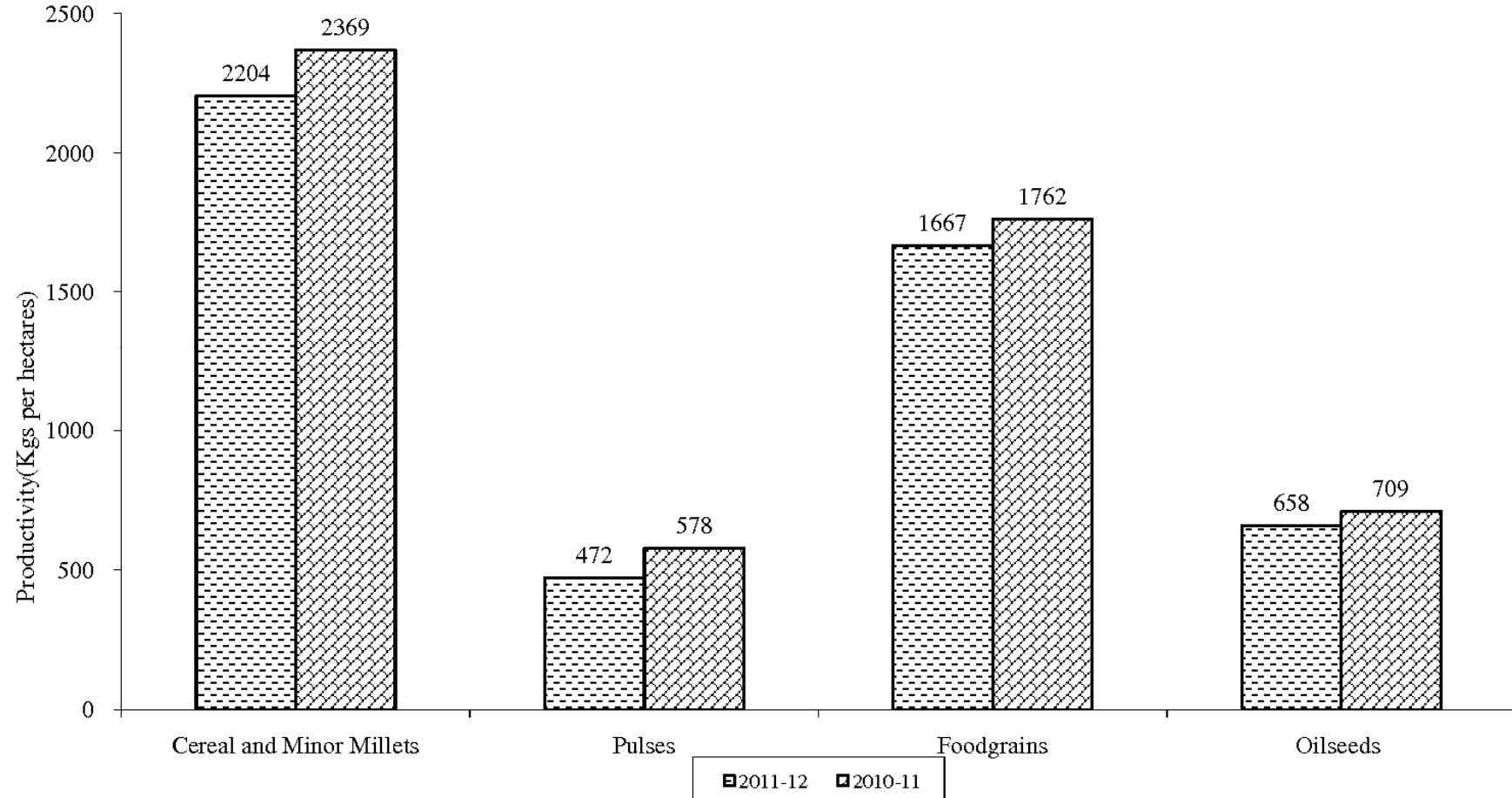
## ANNEXURE - 8.1.2

BAR CHART SHOWING THE PRODUCTION OF CEREALS & MINOR MILLETS, PULSES, FOODGRAINS AND OILSEEDS FOR THE YEAR 2011-12 & 2010-11



## ANNEXURE - 8.1.3

**BAR CHART SHOWING PRODUCTIVITY OF CEREALS & MINOR MILLETS, PULSES, FOODGRAINS AND OILSEEDS FOR THE YEAR 2011-12& 2010-11**



ANNEXURE - 9  
AGRICULTURE LABOURERS WAGES - STATE AVERAGE FOR THE YEAR 2011-12

(Rupees &amp; Paise)

Sl. No.	District	SKILLED LABOURERS			DRYLAND								WETLAND								GARDEN LAND											
		CAR-PENTER	BLACK SMITH	MOCHI	A		B		C		D		A		B		C		D		A		B		C		D					
					M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29				
1	BAGALKOT	237.50	225.00	186.67	258.88	105.75	158.00	104.75	141.82	100.00	-	-	-	-	-	-	-	-	-	-	226.83	103.96	158.54	103.92	-	-	-	-				
2	BANGALORE(U)	262.50	218.75	195.00	184.28	117.50	172.03	136.73	-	-	100.00	-	186.75	116.14	154.04	125.50	-	-	165.00	145.00	185.25	124.75	169.69	134.35	-	-	134.21	106.60				
3	BANGALORE(R)	279.17	241.67	205.00	225.08	193.33	218.18	174.58	-	-	-	-	224.96	194.29	222.73	192.09	-	-	-	-	224.22	197.00	227.55	193.64	-	-	225.26	197.50				
4	BELGAUM	207.50	207.50	185.42	160.08	130.00	134.50	111.42	135.00	115.00	-	-	175.92	144.67	142.75	116.08	135.00	115.00	-	-	175.92	144.67	142.75	115.25	135.00	115.00	-	-				
5	BELLARY	203.33	187.50	168.33	162.11	95.83	150.00	100.00	81.67	60.00	-	-	164.15	95.60	169.67	100.00	86.67	60.00	140.00	-	147.79	90.29	119.17	89.20	81.67	60.00	140.00	-				
6	BIDAR	225.00	190.00	168.33	206.25	100.00	133.33	95.00	85.00	-	-	-	183.42	106.00	135.83	110.00	85.00	-	-	-	183.42	110.00	135.83	110.00	85.00	-	-	-				
7	BIJAPUR	237.50	200.00	183.33	264.50	105.25	194.73	105.72	135.00	117.50	-	-	279.57	111.92	197.12	110.26	-	-	-	-	258.65	116.56	201.00	110.70	-	-	-	-				
8	CHAMARAJNAGAR	266.67	237.50	168.33	233.58	161.43	210.00	160.00	177.27	150.00	195.45	159.00	233.58	160.00	212.83	166.10	-	-	195.45	158.18	231.42	160.00	204.58	159.03	-	-	195.83	158.75				
9	CHIKBALLAPUR	245.83	208.33	181.67	238.33	107.50	148.57	107.14	114.44	84.44	152.00	-	236.43	106.43	150.00	100.00	-	-	-	-	227.45	104.55	144.44	100.00	-	-	150.00	-				
10	CHICKMAGALUR	142.08	140.83	131.25	178.44	-	143.31	131.89	162.92	137.92	-	-	189.38	-	161.14	125.00	-	-	-	-	183.60	-	153.17	122.40	-	-	170.60	137.92				
11	CHITRADURGA	225.00	183.75	162.50	217.83	108.89	141.17	110.33	80.00	-	-	-	217.83	108.00	138.46	110.00	80.00	-	-	-	216.01	100.00	142.73	112.73	80.00	-	187.50	140.83				
12	D.KANNADA	300.00	250.00	200.00	251.67	-	220.00	159.83	-	-	368.45	215.05	250.61	181.25	210.90	149.34	-	-	336.48	180.55	237.50	-	218.18	154.17	-	-	365.38	212.75				
13	DAVANGERE	306.67	225.00	176.67	239.09	122.86	162.36	120.71	157.08	116.67	228.47	115.00	214.60	109.83	152.60	102.15	-	-	196.85	112.86	209.26	106.94	147.41	107.80	-	-	204.44	132.05				
14	DHARWAD	206.67	206.67	160.00	195.53	160.00	163.33	137.50	133.33	112.50	-	-	199.62	155.80	159.17	130.00	133.33	112.50	-	-	183.33	152.50	155.83	125.00	133.33	112.50	-	-				
15	GADAG	233.33	233.33	173.33	227.35	97.33	131.60	93.33	80.00	70.00	-	-	207.86	95.19	131.60	93.00	80.00	70.00	-	-	-	-	-	-	-	-	-	-				
16	GULBARGA	223.33	172.50	168.33	230.80	88.56	148.33	99.28	113.33	82.08	-	-	230.80	88.56	148.33	99.28	113.33	82.08	-	-	234.55	88.56	148.33	99.28	113.33	82.08	-	-				
17	HASSAN	264.58	220.42	196.67	199.88	133.75	173.14	162.04	137.50	137.50	120.00	-	223.27	135.00	176.70	163.70	141.67	141.67	194.00	-	216.13	120.00	173.06	155.00	137.50	137.50	208.23	-				
18	HAVERI	151.25	149.58	134.17	165.73	111.67	125.00	111.67	125.00	111.67	-	-	155.65	111.67	125.00	111.88	-	-	-	-	155.65	111.67	124.31	111.67	-	-	125.00	111.67				
19	KODAGU	400.00	300.00	300.00	241.67	250.00	214.17	211.67	-	-	-	-	230.00	-	220.00	220.00	-	-	-	-	283.33	-	200.00	200.00	-	-	279.17	258.33				
20	KOLAR	250.00	250.00	225.00	216.67	150.00	150.00	100.00	120.00	100.00	-	-	206.25	132.00	147.50	111.97	120.00	100.00	-	-	231.25	-	-	-	120.00	100.00	-	-				
21	KOPPAL	210.83	182.50	156.67	238.64	125.00	173.75	122.25	107.14	82.86	-	-	254.92	132.00	178.75	121.83	-	-	-	151.25	271.96	153.40	182.00	130.63	-	-	-	151.25				
22	MANDYA	162.50	162.50	157.50	202.27	100.00	157.64	100.00	150.00	100.00	-	-	203.03	-	157.20	100.00	-	-	-	-	203.03	-	160.61	100.00	-	-	237.50	-				
23	MYSORE	170.83	170.83	161.67	174.06	109.17	154.86	111.81	80.00	60.00	176.67	100.00	178.40	102.50	151.39	105.56	-	-	176.67	100.00	212.15	125.00	-	-	-	-	173.54	100.00				
24	RAICHUR	241.67	205.00	178.33	188.17	158.53	113.33	103.89	130.00	120.00	-	-	193.47	159.21	115.50	105.75	130.00	120.00	-	-	204.72	136.00	119.17	109.17	130.00	120.00	-	-				
25	RAMANAGAR	246.67	206.67	168.33	238.00	150.00	228.57	176.79	-	-	250.00	-	229.58	178.57	231.25	179.69	-	-	-	-	228.54	178.57	235.00	183.75	-	-	243.18	200.00				
26	SHIMOGA	237.50	197.92	165.00	156.48	102.26	149.70	100.48	101.67	100.00	-	-	161.60	101.96	153.63	102.87	108.33	100.00	200.27	137.95	187.58	104.49	160.35	108.19	110.00	100.00	185.10	120.12				
27	TUMKUR	204.17	181.67	157.50	200.00	150.00	200.00	150.00	-	-	-	-	200.00	150.00	200.00	150.00	-	-	200.00	150.00	200.69	150.00	200.00	150.00	100.00	80.00	195.00	150.00				
28	UDUPI	279.17	264.58	205.00	-	-	-	-	85.00	75.00	-	-	178.00	-	184.00	114.53	-	-	200.00	-	-	-	166.67	106.67	-	-	187.19	101.67				
29	U.KANNADA	222.50	198.33	196.67	205.73	127.50	153.57	132.78	112.50	100.83	-	-	205.73	127.50	153.15	133.75	109.17	97.50	-	-	177.00	150.00	135.00	120.00	-	-	187.74	162.57				
30	YADGIR	205.00	196.67	195.00	274.00	125.56	191.50	141.50	150.00	100.00	-	-	346.67	165.83	228.82	157.90	150.00	100.00	-	-	346.67	165.83	221.88	156.55	150.00	100.00	-	-				
	STATE	234.96	207.17	180.39	212.93	129.17	166.02	126.66	120.65	101.54	198.88	147.26	212.48	130.80	169.31	127.87	113.27	99.89	200.47	141.97	215.85	130.21	168.42	128.48	114.65	100.71	199.73	152.62				

Note: A = Labourers at the time of ploughing, digging, sowing, interculturing, watering &amp; uprooting.

B = Labourers at the time of manuring, transplanting, weeding, reaping &amp; picking.

C = Activities like cattle, sheep &amp; goat grazing.

D = Harvesting in areca &amp; coconuts, peeling the coconuts, arecanuts, trimming &amp; spraying in areca &amp; coconut gardens and any other operations relating to arecanut &amp; coconut gardens.

M = Male, F = Female

## ANNEXURE - 10

NUMBER OF LIVESTOCK, POULTRY, AGRICULTURAL MACHINERY AND  
IMPLEMENTS AS PER 19th LIVESTOCK CENSUS 2012

Sl. No	Groups	Category	Numbers	Total
1	2	3	4	5
I.	CATTLE			9516484
	1) Males	i) Exotic and cross breed	205182	
		ii) Indigenous	2771874	
	2) Females	i) Exotic and cross breed	2707335	
		ii) Indigenous	3832093	
II.	BUFFALOES			3470505
	1) Males	i) Upto 2 years	292673	
		ii) Above 2 years		
		a) Used for breeding only	19218	
		b) Used for Draught only	39171	
		c) Used for both Draught and Breeding	5013	
		d) Others	4299	
	2) Females	i) Under 1 years	641309	
		ii) 1 to 3 years	413078	
		iii) Above 3 years		
		a) In milk	1295061	
		b) Dry	602843	
		c) Not yet calved even once	143346	
		d) Others	14494	
	TOTAL BOVINES			12986989
	Cattle and Buffaloes	1) Males	3337430	
		2) Females	9649559	
III	SHEEP			9583761
	1) Males	i) Exotic and cross breed	13516	
		ii) Indigenous	1915272	
	2) Females	i) Exotic and cross breed	26764	
		ii) Indigenous	7628209	

## ANNEXURE - 10

## NUMBER OF LIVESTOCK, POULTRY, AGRICULTURAL MACHINERY AND IMPLEMENTS AS PER 19th LIVESTOCK CENSUS 2012

Sl. No	Groups	Category	Numbers	Total
1	2	3	4	5
IV	GOATS			
	1) Males	i) Under one year	576480	4796147
		ii) One year and above	511723	
	2) Females	i) Under one year	964334	
		ii) One year and above	2743610	
V	HORSES AND PONIES			
	1) Males	i) Under three years	2251	12976
		ii) 3 years and above	5473	
	2) Females	i) Under three year	1537	
		ii) 3 years and above	3715	
VI	MULES	i) Under three year	193	762
		ii) 3 years and above	569	
VII	DONKEYS	i) Male	8615	16312
		ii) Female	7697	
VII	CAMELS	i) Male	127	151
		ii) Female	24	
XI	PIGS	i) Exotic and cross breed	43524	304798
		ii) Indigenous	261274	
X	POULTRY	i) Backyard poultry	9700025	53442030
		ii) Farm poultry	43742005	
XI	NUMBER OF EQUIPMENTS	i) Milking machine	1154	42249
	USED IN LIVESTOCK	ii) Mechanised Fodder cutter	23118	
	SECTOR	iii) Mechanised Chopper & Baler	16270	
		iv) Mechanised Dung Collection and / or disposal equipments	1707	

Source : Commissionerate of Animal Husbandary and veterinary Services, Bengaluru.