



**Government of Karnataka**

***REPORT ON***  
***ESTIMATES OF AREA OF PRINCIPAL***  
***CROPS UNDER TIMELY REPORTING***  
***SCHEME IN KARNATAKA***  
***2019-20***

DIRECTORATE OF ECONOMICS AND STATISTICS  
BENGALURU

## P R E F A C E

The centrally sponsored "Timely Reporting Scheme" is being implemented in the State since 1969-70 which aims to arrive at quick and reliable estimates of area under principal crops. District wise area under selected principal crops has been estimated based on the data from sample villages for all the three seasons during 2019-20 which constitute 20 percent of total villages. This report is based on the Fourth set of 20% villages selected among the five sets of villages commencing from 2016-17 to 2020-21 covering 15 crops. While estimating area, classification of crops as traditional and high yielding variety and also status of irrigation are taken into account.

This report is prepared in the Agricultural Statistics Division of the Directorate of Economics and Statistics. Suggestions for improvement of this report are most welcome.

Place: Bengaluru  
Date: 05-10-2021

  
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# ***TIMELY REPORTING OF ESTIMATES OF AREA OF PRINCIPAL CROPS IN KARNATAKA 2019-20***

## ***1.1 Introduction***

The “Timely Reporting Scheme” sponsored by Government of India is being implemented in the State since 1969-70, with an objective to arrive at quick, reliable and accurate estimates of area under selected principal crops soon after the end of each season. These estimates of area are worked out on the basis of the actual enumeration in 20% of total villages selected in the State every year. The area estimates under this scheme will help the Government in assessing agricultural prospects during the year and to take quick policy measures relating to agricultural output, imports, minimum support price and exports of the agricultural commodities etc.

## ***1.2 Objective***

The main objective of the scheme is to obtain reliable and statistically precise area estimates under selected principal crops soon after the end of each season. The area is estimated separately for irrigated and unirrigated category crops for both traditional and high yielding varieties.

## ***1.3 Coverage***

The time schedule of timely reporting scheme of the State covering the period from 1<sup>st</sup> April 2019 to 31<sup>th</sup> March 2020 is divided into three seasons viz., kharif, rabi and summer (see Para 1.4). Totally 15 major crops are covered under the scheme but the number of crop coverage varies from season to season. However, Paddy, Maize, Ragi and Sunflower crops are common for all the three seasons. Crop coverage in each season is as follows:-

- a) Kharif: 1. Paddy 2. Jowar 3. Maize 4. Ragi 5. Bajra 6. Tur  
7. Groundnut 8. Sesamum 9. Sunflower
- b) Rabi: 1. Paddy 2. Jowar 3. Maize 4. Ragi 5. Wheat 6. Cotton 7. Gram  
8. Sugarcane 9. Sunflower 10. Safflower 11. Linseed
- c) Summer: 1. Paddy 2. Maize 3. Ragi 4. Groundnut 5. Sunflower.

## 1.4 Time Schedule

The time schedule for crop area enumeration was as follows:

Sl. No.	Agricultural Season	Sowing period	Crop enumeration period
1	Kharif - Early - Late	1 <sup>st</sup> April 2019 to 30 <sup>th</sup> June 2019	1 <sup>st</sup> July 2019 to 9 <sup>th</sup> July 2019
		1 <sup>st</sup> July 2019 to 31 <sup>st</sup> August 2019	1 <sup>st</sup> Sept 2019 to 9 <sup>th</sup> Sept 2019
2	Rabi	1 <sup>st</sup> Sept 2019 to 30 <sup>th</sup> Dec 2019	1 <sup>st</sup> Jan 2020 to 9 <sup>th</sup> Jan 2020
3	Summer	1 <sup>st</sup> Jan 2020 to 31 <sup>st</sup> March 2020	1 <sup>st</sup> April 2020 to 9 <sup>th</sup> April 2020

## 1.5 Sampling design

- 1) Linear systematic sampling method, suggested by the Directorate of Economics and Statistics, Government of India, New Delhi, is adopted, treating each taluk as a stratum. 20% of total villages in each taluk are selected every year. All the village accountant circles in each taluk and all the villages in each village accountant circle are arranged in random order for preparing a sample frame to select the sampling unit.
- 2) The selection of 20% sample villages in each taluk is done as per systematic sampling technique from the sampling frame stated above, with an interval of five sample units with a different random strata adopting non-overlapping sampling procedure.
- 3) Commencing the year 2016-17, 20% of villages are selected every year under the scheme, so that 100% villages are covered in five years i.e. by 2020-21. This report is based on the data collected from the fourth set of villages selected for the year 2019-20.

## 1.6 Organization of field work

- 1) The Directorate of Economics and Statistics was entrusted with the responsibility of implementation of the scheme and the field work was assigned to the Village Accountants of the Revenue Department.

- 2) To improve the quality of field work and to point out different kinds of mistakes committed by the Village Accountants in recording the crop area, supervision is essential. In Karnataka state from 2018-19 GIS mobile app based crop survey was started and conducted during kharif season only. From 2019-20 onwards crop survey was conducted in all three seasons. Since Kharif 2019 under crop survey Directorate of Economics and Statistics has been assigned the responsibility of 1% verification of the crop survey data capture through mobile app as 3<sup>rd</sup> party audit. For the 1% verification Directorate of Economics and Statistics was taken up verification in all the TRS villages (20% of total villages). The supervision of field work was entrusted to Agriculture, Horticulture and Statistics department. The District Statistical Officers and their staff from the Economics & Statistics Department were also involved in the supervision work.
- 3) The District Statistical Officers were assigned with the overall responsibility of implementation of the scheme in their jurisdiction.

### ***1.7 Training***

The District Statistical Officers impart training to the field staff with regard to the procedure to be followed in the area enumeration and in recording the crop area in the prescribed crop abstracts from the RTC. Supervisory staffs of the Revenue, Agriculture and Statistics Departments were also trained during kharif season, well before the commencement of the area enumeration work.

### ***1.8 Sample size and receipt position of crop abstracts***

During the year under review, in all 5826 villages were selected under the scheme. The details of number of villages selected and the number of the crop abstracts received in each season and other such particulars are given in Table-1.

**Table – 1**  
**Seasonwise receipt position of crop abstracts**

Sl. No.	Particulars	Kharif	Rabi	Summer
1	2	3	4	5
1	No. of Villages selected	5826	5826	5826
2	No. of Villages from which crop abstracts received	5747	5820	5702
3	Percentage response	98.64	99.89	97.87

### **1.9 Supervision**

The details of supervision conducted by Statistics, Horticulture and Agriculture Departments respectively are given in Table- 2.

**Table-2**  
**Number of villages Supervised**

Sl. No.	Agency	No. of villages (Kharif + Rabi + Summer)			
		Allotted	Supervised	Percentage of supervision	
				2019-20	2018-19
1	2	3	4	5	6
1	Statistics	8709	8660	99.44	100.00
2	Agriculture	1604	1560	97.26	98.25
3	Horticulture	1240	1203	97.02	98.75



### 1.10 Procedure for Estimating Area of Crops:

The formula adopted for estimating the area under selected crops and working out the sampling error of such estimates by the ratio method and compile the same with crop survey data.

#### A. Ratio Method:

1. Let  $k$  be the number of taluks in a district.
2.  $Y_{ij}$  be the area under a crop in the  $j^{\text{th}}$  village of the  $i^{\text{th}}$  taluk in the current year.
3.  $X_{ij}$  be the area under that crop in the  $j^{\text{th}}$  village of the  $i^{\text{th}}$  taluk during the previous year.
4.  $n_i$  be the total number of villages selected in the  $i^{\text{th}}$  taluk.
5.  $N_i$  be the total number of villages in the  $i^{\text{th}}$  taluk.
6.  $\hat{R}_c$  be the combined ratio estimates of the given crop in the district.
7.  $X$  is the area under that crop during previous ASCR report.
8.  $\hat{Y}_{Rc}$  be the estimates of the area of the crop in the district.

a) Area Estimates by Ratio Method

$$\hat{Y}_{Rc} = \left( \frac{\sum_{i=1}^k N_i \bar{Y}_i}{\sum_{i=1}^K N_i \bar{X}_i} \right) X$$

Where  $X$  = the total area under the crop in the district during the previous year.

## CHAPTER – 2

### 2. Results of the scheme

Area estimates have been worked out by using ratio method, comparing the same with reconciled area. Crop wise details of the estimates are presented in the ensuing paragraphs.

#### 2.1 Paddy

It is an important cereal crop grown in 12.45 lakh hectares of area during 2019-20. The area covered under the crop was more in Raichur followed by Bellary and Yadagiri districts. About 77.41 % of the area under the crop was covered in Kharif season alone.

Seasonwise estimates of area as per ratio method along with reconciled area under paddy are given below in Table-3.

**Table – 3**  
**Seasonwise Estimated and Reconciled area under Paddy crop**

Area in hectares			
Season	Estimated area as per Ratio Method	Reconciled area (as per Crop survey)	% variation over Reconciled area
1	2	3	4
Kharif	971023	964088	0.72
Rabi	26019	26742	-2.70
Summer	253890	254522	-0.25
<b>Total</b>	<b>1250932</b>	<b>1245352</b>	<b>0.45</b>

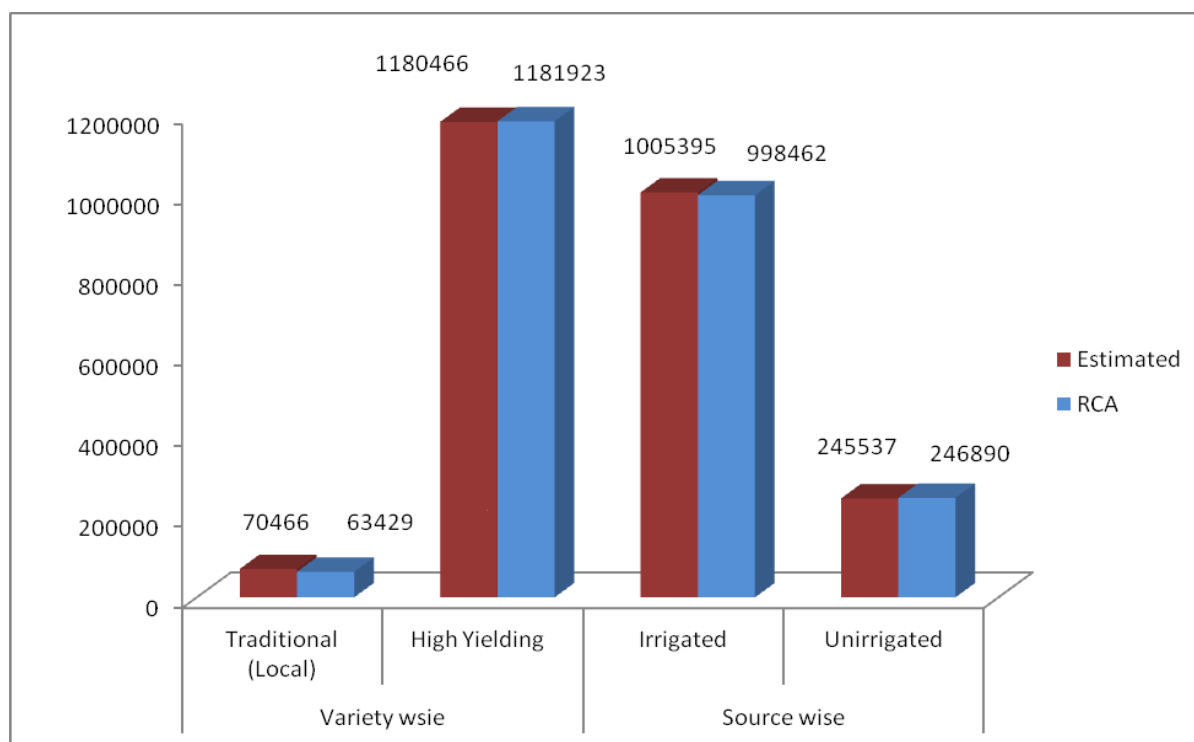
During Kharif season, the percentage of variation under ratio method was higher and lower in Rabi & Summer seasons, compared to reconciled total area of paddy crop.

Estimated area under irrigated/unirrigated category as per ratio method and the reconciled area are given in Table-4.

**Table-4****Season and Varietywise area Estimated by Ratio method under Paddy crop**

Area in hectares

Variety	Irrigated/ Unirrigated	Estimated area as per Ratio Method				Reconciled area (as per Crop survey)	% variation over Reconciled area
		Kharif	Rabi	Summer	Total		
1	2	3	4	5	6	7	8
Traditional (Local)	Irrigated	13720	0	0	13720	12827	7.0
	Unirrigated	56746	0	0	56746	50602	12.1
	<b>Total</b>	<b>70466</b>	<b>0</b>	<b>0</b>	<b>70466</b>	<b>63429</b>	<b>11.1</b>
High Yielding	Irrigated	711766	26019	253890	991675	985635	0.6
	Unirrigated	188791	0	0	188791	196288	-3.8
	<b>Total</b>	<b>900557</b>	<b>26019</b>	<b>253890</b>	<b>1180466</b>	<b>1181923</b>	<b>-0.1</b>
Total	Irrigated	725486	26019	253890	1005395	998462	0.7
	Unirrigated	245537	0	0	245537	246890	-0.5
	<b>Total</b>	<b>971023</b>	<b>26019</b>	<b>253890</b>	<b>1250932</b>	<b>1245352</b>	<b>0.4</b>

**Estimated Area (Ratio Method) and Reconciled Area under Paddy Crop  
Varietywise and Sourcewise (in hectares)**

As per the reconciled area, the irrigated area under paddy crop was 80.18% and unirrigated was 19.82%, whereas under ratio method it was 80.37% and 19.63% respectively. In case of high yielding and traditional varieties the percentage of area under reconciled area was 94.9% and 5.1% as against the estimated area of 94.4% and 5.6% respectively. The percentage variation of estimated area under ratio method over reconciled area was 0.7% under irrigated category, -0.5 % under unirrigated category and 0.4% to the total during 2019-20. Districtwise details are given in Appendix-2.1.

## 2.2 Jowar

Jowar is another important cereal crop with 8.3 lakh hectares of area in the State of which 78.61 % of area was cultivated during Rabi season alone. Belagavi stands first in the area coverage i.e., 17.1 % followed by Bagalakote (9.2%) and Vijayapura (8.9%). Seasonwise information is given in Table-5.

**Table – 5**

**Seasonwise Estimated and Reconciled area under Jowar crop**

Area in hectares

<b>Season</b>	<b>Estimated area as per Ratio Method</b>	<b>Reconciled area (as per Crop survey)</b>	<b>% variation over Reconciled area</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
Kharif	182061	178587	1.95
Rabi	645940	656335	-1.58
<b>Total</b>	<b>828001</b>	<b>834922</b>	<b>-0.83</b>

From the above table that the variation of area under ratio method compared to reconciled area was 1.95% and -1.6% during kharif and Rabi seasons respectively.

Area by varieties and status of irrigation worked out by ratio method and the reconciled area are given in Table-6.

Table – 6

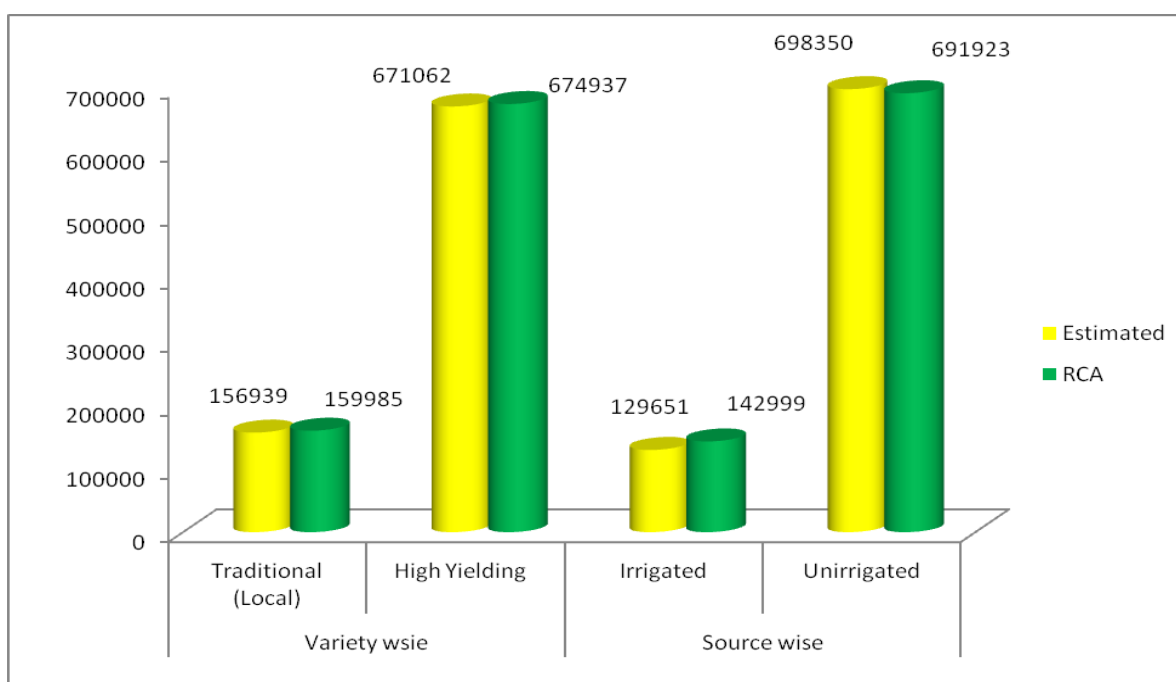
## Season and Varietywise area Estimated by Ratio method under Jowar crop

Area in hectares

Variety	Irrigated/ Unirrigated	Estimated area as per Ratio Method			Reconciled area (as per Crop survey)	% variation over Reconciled area
		Kharif	Rabi	Total		
1	2	3	4	5	6	7
Traditional (Local)	Irrigated	308	7626	7934	10435	-24.0
	Unirrigated	39458	109547	149005	149550	-0.4
	<b>Total</b>	<b>39766</b>	<b>117173</b>	<b>156939</b>	<b>159985</b>	<b>-1.9</b>
High Yielding	Irrigated	27434	94283	121717	132564	-8.2
	Unirrigated	114861	434484	549345	542373	1.3
	<b>Total</b>	<b>142295</b>	<b>528767</b>	<b>671062</b>	<b>674937</b>	<b>-0.6</b>
Total	Irrigated	27742	101909	129651	142999	-9.3
	Unirrigated	154319	544031	698350	691923	0.9
	<b>Total</b>	<b>182061</b>	<b>645940</b>	<b>828001</b>	<b>834922</b>	<b>-0.8</b>

The estimated jowar area was 19 % under traditional variety and the remaining 81% under hybrid variety as against 19.2 % and 80.8 % of reconciled area respectively. District-wise details are given in Appendix – 2.2.

**Estimated Area (Ratio Method) and Reconciled Area under Jowar Crop  
Varietywise and Sourcewise (in hectares)**



### 2.3 Ragi

Ragi is the third most important cereal crop largely grown in southern districts with 6.7 lakh hectares of area during 2019-20. The major Ragi growing districts are Tumkuru (21.4%), Hassan (11.3%), Kolar (9%), Ramanagara (8.6%) and Mysuru (8.5%) which account for 58.8 % of the total Ragi area of the State. About 92.9 % of the area was covered under kharif season itself. Season wise area estimated as per ratio method is given in Table-7.

**Table – 7**

**Seasonwise Estimated and Reconciled area under Ragi crop**

Area in hectares

<b>Season</b>	<b>Estimated area as per Ratio Method</b>	<b>Reconciled area (as per Crop survey)</b>	<b>% variation over Reconciled area</b>
1	2	3	4
Kharif	613940	625796	-1.89
Rabi	40238	41862	-3.88
Summer	5919	6056	-2.26
<b>Total</b>	<b>660097</b>	<b>673714</b>	<b>-2.02</b>

The percentage variation of area estimated by ratio method over reconciled area was -2.0. Compared to reconciled area, estimated area under Ratio method was lower in all the three seasons.

Table-8 depicts estimated area by status of irrigation.

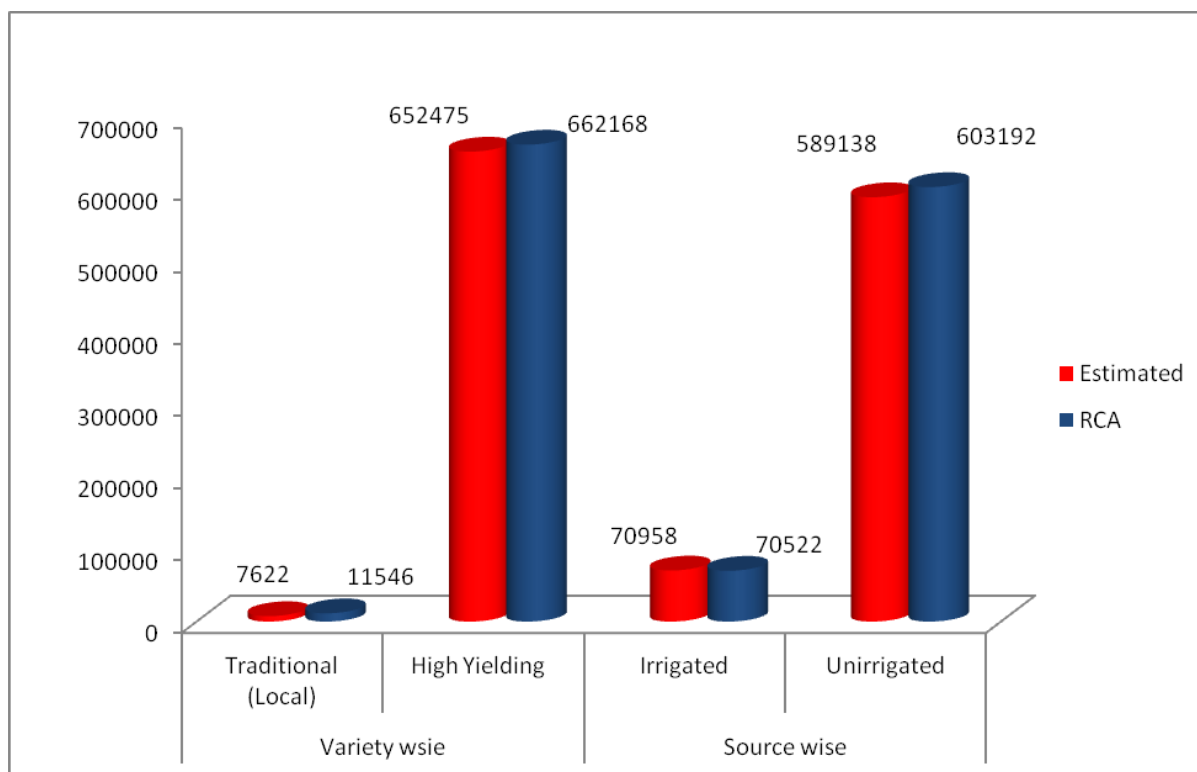
Table – 8

Season and Varietywise area Estimated under Ratio method under Ragi crop

Area in hectares

Variety	Irrigated/ Unirrigated	Estimated area as per Ratio Method				Reconciled area (as per Crop survey)	% variation over Reconciled area
		Kharif	Rabi	Summer	Total		
1	2	3	4	5	6	7	8
Traditional (Local)	Irrigated	20	0	0	20	1336	-98.5
	Unirrigated	7602	0	0	7602	10210	-25.5
	<b>Total</b>	<b>7622</b>	<b>0</b>	<b>0</b>	<b>7622</b>	<b>11546</b>	<b>-34.0</b>
High Yielding	Irrigated	42598	22421	5919	70938	69186	2.5
	Unirrigated	563720	17817	0	581537	592982	-1.9
	<b>Total</b>	<b>606318</b>	<b>40238</b>	<b>5919</b>	<b>652475</b>	<b>662168</b>	<b>-1.5</b>
Total	Irrigated	42618	22421	5919	70958	70522	0.6
	Unirrigated	571321	17817	0	589138	603192	-2.3
	<b>Total</b>	<b>613940</b>	<b>40238</b>	<b>5919</b>	<b>660097</b>	<b>673714</b>	<b>-2.0</b>

Estimated Area (Ratio Method) and Reconciled Area under Ragi Crop Varietywise and Sourcewise (in hectares)



Out of total estimated area 98.3% was covered by High Yield variety and remaining under local variety. The percentage of variation under Irrigated and Unirrigated was 0.6 and -2.3 respectively. District wise details are given in Appendix- 2.3

## 2.4 Maize

Maize is yet another cereal crop grown in more than 15 lakh hectares in the State. Maize growing Major districts are Haveri (15 %), Ballary (12.8 %) and Belagavi (12.2 %). 90.3 % of the area was covered under kharif season alone.

Seasonwise estimated area as per ratio method is given in Table – 9

**Table – 9**  
**Seasonwise Estimated and Reconciled area under Maize crop**

Area in hectares

<b>Season</b>	<b>Estimated area as per Ratio Method</b>	<b>Reconciled area (as per Crop survey)</b>	<b>% variation over Reconciled area</b>
1	2	3	4
Kharif	1365461	1355322	0.75
Rabi	103676	114067	-9.11
Summer	30099	30861	-2.47
<b>Total</b>	<b>1499236</b>	<b>1500250</b>	<b>-0.07</b>

Variation of area under ratio method over reconciled area was 0.7 % in kharif season, -9.1% in Rabi season and -2.5 % in summer season. The total estimated area was lower under ratio method when compared to the reconciled area.

Estimated area by variety and irrigated / unirrigated as per ratio method and the reconciled area are given in Table – 10.

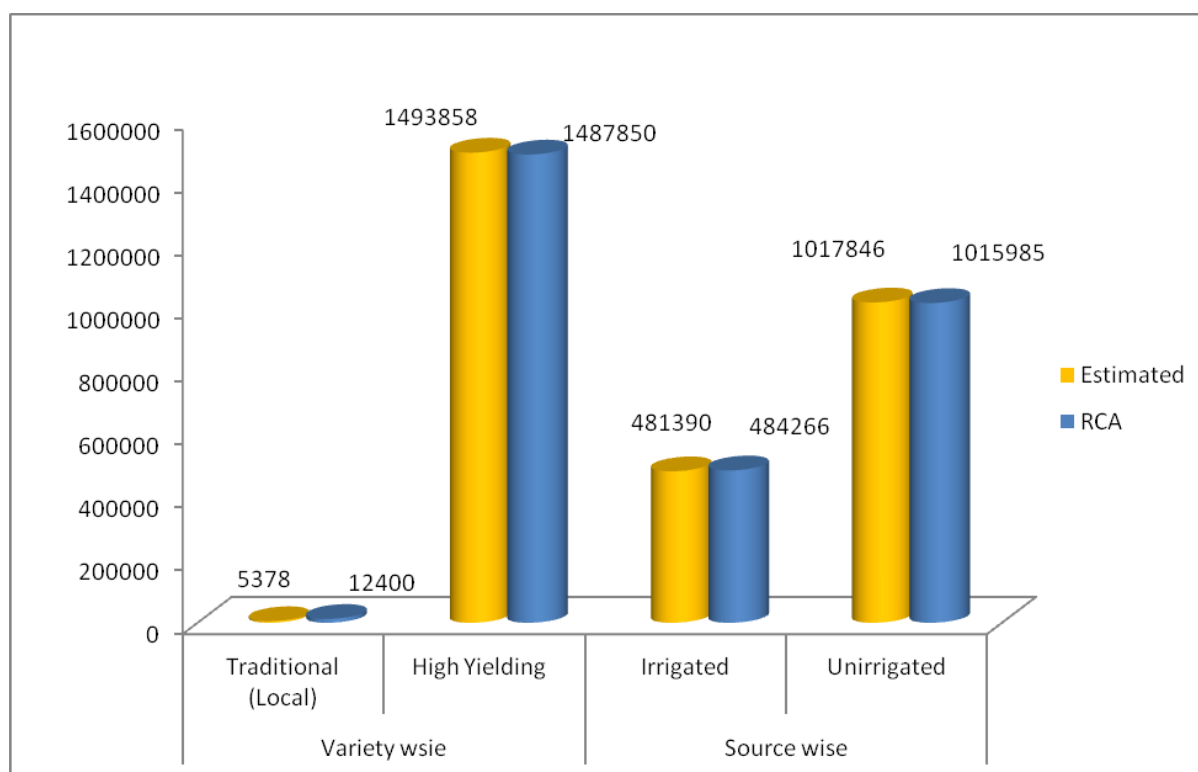


**Table – 10**  
**Season and Varietywise Estimated area under Ratio method – Maize crop**

Area in hectares

Variety	Irrigated/ Unirrigated	Estimated area as per Ratio Method				Reconciled area (as per Crop survey)	% variation over Reconciled area
		Kharif	Rabi	Summer	Total		
1	2	3	4	5	6	7	8
Traditional (Local)	Irrigated	1467	0	0	1467	5234	-72.0
	Unirrigated	3911	0	0	3911	7166	-45.4
	<b>Total</b>	<b>5378</b>	<b>0</b>	<b>0</b>	<b>5378</b>	<b>12400</b>	<b>-56.6</b>
High Yielding	Irrigated	356565	93357	30001	479923	479032	0.2
	Unirrigated	1003518	10319	98	1013935	1008818	0.5
	<b>Total</b>	<b>1360083</b>	<b>103676</b>	<b>30099</b>	<b>1493858</b>	<b>1487850</b>	<b>0.4</b>
Total	Irrigated	358032	93357	30001	481390	484266	-0.6
	Unirrigated	1007429	10319	98	1017846	1015985	0.2
	<b>Total</b>	<b>1365461</b>	<b>103676</b>	<b>30099</b>	<b>1499236</b>	<b>1500250</b>	<b>-0.1</b>

**Estimated Area (Ratio Method) and Reconciled Area under Maize Crop**  
**Variety wise and Source wise (in hectares)**



It is observe from the above table that, under ratio method, the total estimated irrigated area was 32.1% out of which 99.7% of area sown with hybrid variety. As per reconciled area, 32.3% of area was irrigated of which the area sown with hybrid variety was 98.9% . Under ratio method the variation of irrigated area was low and unirrigated area was high, i.e. -0.6% and 0.2% respectively, compared to reconciled area. Districtwise details are given in Appendix-2.4

## 2.5 Bajra

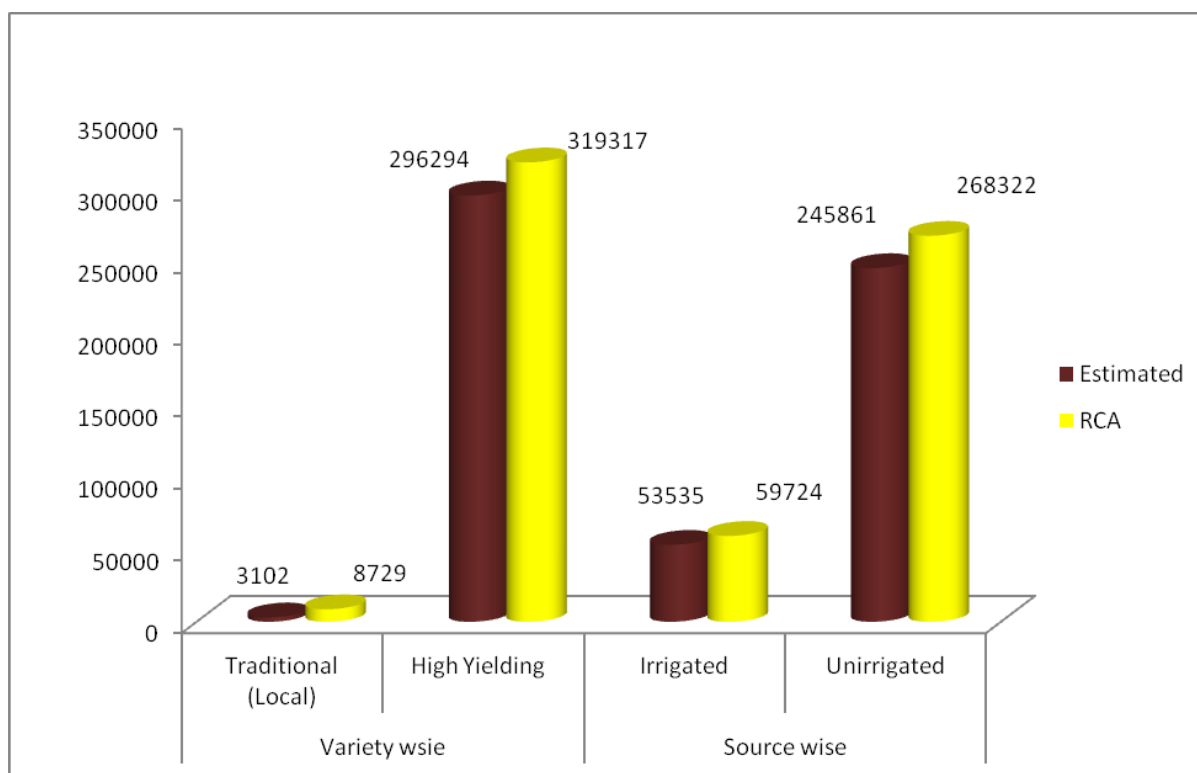
Bajra crop was grown in 3.3 lakh hectares in the State during the year. It is largely grown in Koppal (32.2%), Raichuru (16.7%), Vijayapura (15.2%), Bagalakote (12.7%) and Ballari (9.6%) districts in the State. These 5 districts alone contribute 86.4% of the total cropped area of the crop in the State. Area estimated under the crop by ratio method was lower compared to the reconciled area. Only 1% of area estimated had traditional variety and the remaining 99% of the area was sown with high yielding variety as per ratio estimates whereas, under reconciled area 2.7 % area was covered under traditional variety and 97.3 % under hybrid variety.

Estimates of area of Bajra crop varietywise and irrigated / unirrigated category by ratio method and reconciled area are given in Table-11.

**Table – 11**  
**Varietywise Estimated and Reconciled area under Bajra crop**  
Area in hectares

Variety	Irrigated/ Unirrigated	Estimated area as per Ratio Method	Reconciled area (as per Crop survey)	% variation over Reconciled area
1	2	3	4	5
Traditional (Local)	Irrigated	44	609	-92.8
	Unirrigated	3058	8120	-62.3
	<b>Total</b>	<b>3102</b>	<b>8729</b>	-64.5
High Yielding	Irrigated	53491	59116	-9.5
	Unirrigated	242803	260201	-6.7
	<b>Total</b>	<b>296294</b>	<b>319317</b>	-7.2
Total	Irrigated	53535	59724	-10.4
	Unirrigated	245861	268322	-8.4
	<b>Total</b>	<b>299396</b>	<b>328046</b>	-8.7

## Estimated Area (Ratio Method) and Reconciled Area under Bajra Crop Varietywise and Sourcewise (in hectares)



It is observed from the above table that, under ratio method there was variation of -10.4% under irrigated area and -8.4% under unirrigated area when compared to reconciled area. Under ratio method the variation under hybrid and traditional variety is -7.2% and -64.5% respectively when compared to reconciled area.

### 2.6 *Wheat*

Wheat crop is grown only Rabi season nearly in 1.6 lakh hectares. About 49523 hectares of area is covered by Belagavi district (31.6%) followed by Vijayapura 28156 hectares (18%). As per Ratio Method the total estimated area was low when compared to reconciled area. Details are given in Table – 12.

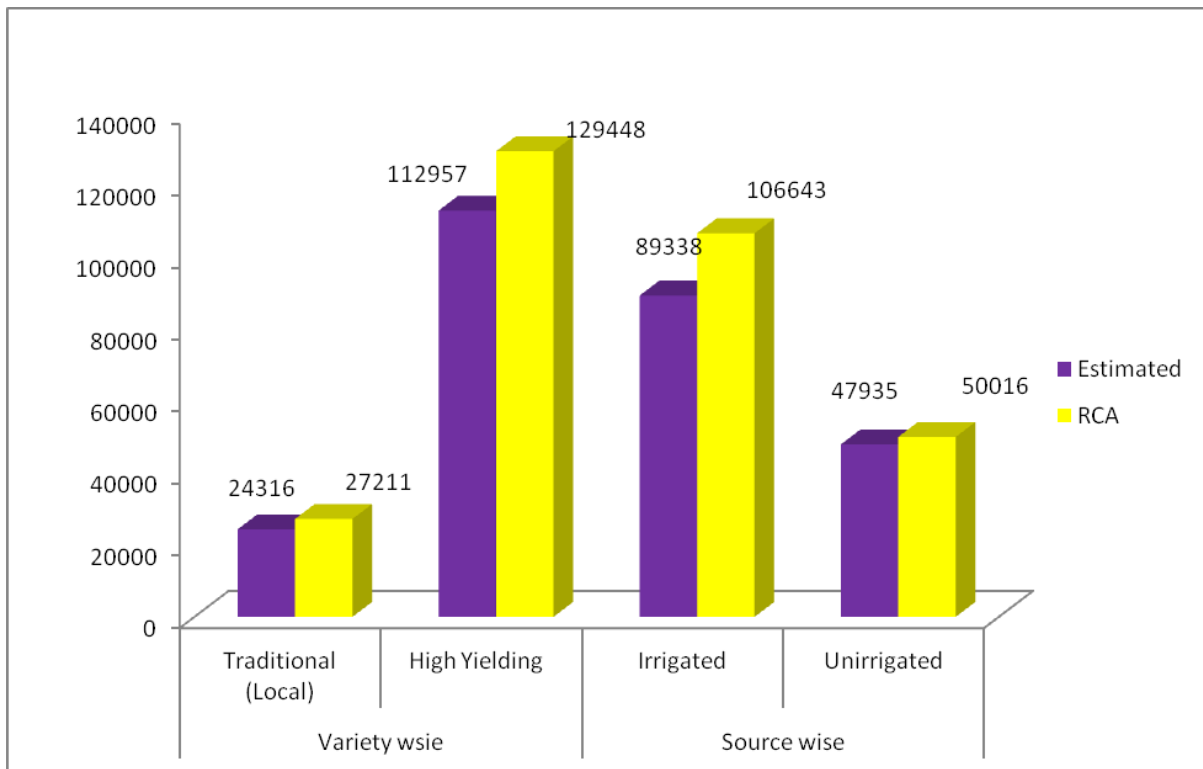
**Table – 12**

**Varietywise Estimated and Reconciled area under Wheat crop**

Area in hectares

Variety	Irrigated/ Unirrigated	Estimated area as per Ratio Method	Reconciled area (as per Crop survey)	% variation over Reconciled area
1	2	3	4	5
Traditional (Local)	Irrigated	4113	5184	-20.7
	Unirrigated	20203	22027	-8.3
	<b>Total</b>	<b>24316</b>	<b>27211</b>	-10.6
High Yielding	Irrigated	85225	101459	-16.0
	Unirrigated	27732	27989	-0.9
	<b>Total</b>	<b>112957</b>	<b>129448</b>	-12.7
Total	Irrigated	89338	106643	-16.2
	Unirrigated	47935	50016	-4.2
	<b>Total</b>	<b>137273</b>	<b>156659</b>	-12.4

**Estimated Area (Ratio Method) and Reconciled Area under Wheat Crop  
Variety wise and Source wise (in hectares)**



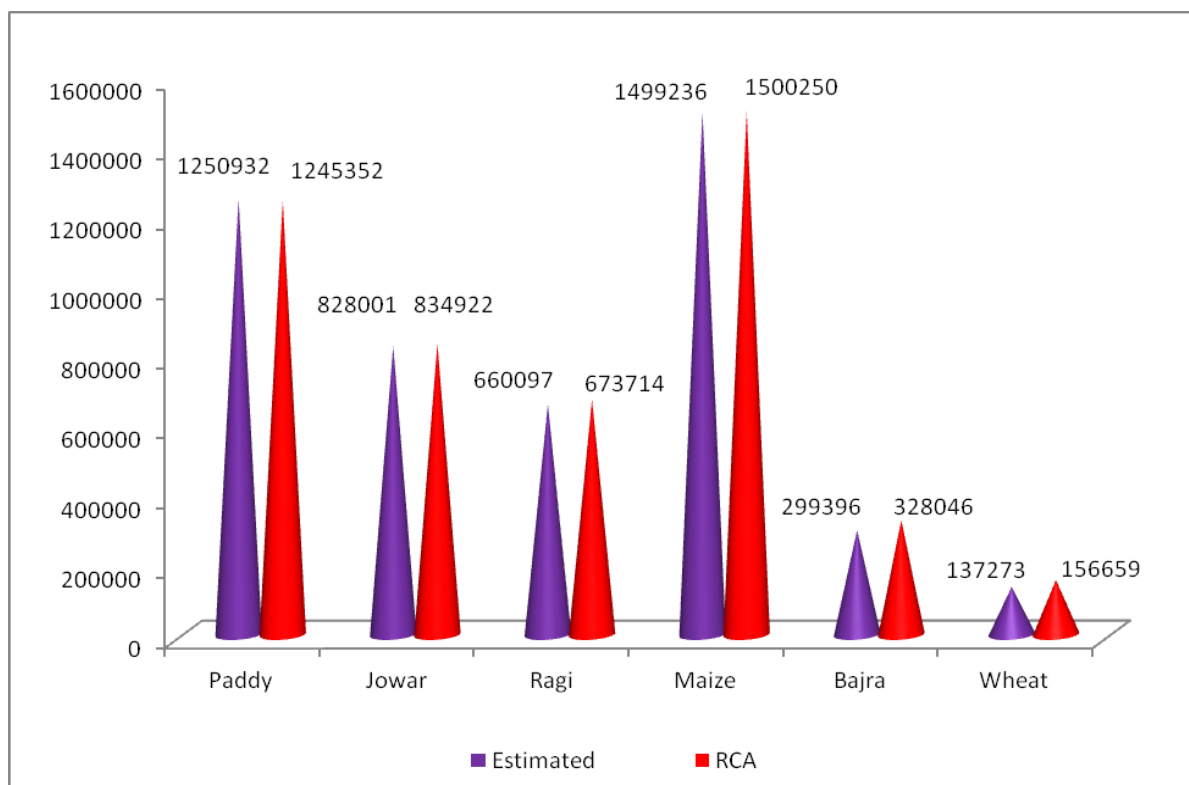
It can be seen from the above table that, under Ratio Method the total estimated area was 137273 of which Irrigated was 65% and Unirrigated was 35% and High Yield Variety was 82% and Traditional (Local) was 18% respectively. Under reconciled area, the area under irrigation was (68%) and Unirrigated was 32% and High Yield Variety was 83% and Traditional (Local) was 17% respectively. The estimated total area was less in Ratio method when compared to the reconciled area. Districtwise details are given in Appendix- 2.5

Estimated area for cereal crops under ratio method and reconciled area is graphically presented below.

**Table – 13**  
**Estimated and Reconciled area (as per crop survey) under Cereals**  
 Area in hectares

<b>Crop Name</b>	<b>Estimated area as per Ratio Method</b>	<b>Reconciled area (as per Crop survey)</b>	<b>% variation over Reconciled area</b>
1	2	3	4
Paddy	1250932	1245352	0.45
Jowar	828001	834922	-0.83
Ragi	660097	673714	-2.02
Maize	1499236	1500250	-0.07
Bajra	299396	328046	-8.73
Wheat	137273	156659	-12.37

## Estimated (Ratio Method) and Reconciled Area (as per crop survey) under Cereals (in hectares)



### 2.7 Tur

Tur crop is one of the important long duration pulse crops grown only in kharif season. About 16.3 lakh hectares of area was under this crop during 2019-20 of which, 6.1 lakh hectares grown in Kulburgi and 5 lakh hectares in Vijayapura districts which constitutes 67.9% of the total area of the crop in the state. It is observed that the estimated area by ratio method was lower to the extent of -0.2% when compared to the reconciled area. Details of estimated area given in table-14 and districtwise details are given in Appendix-2.5.

### 2.8 Bengalgram

Bengalgram is also an important pulse crop of the State grown in nearly 6.3 lakh hectares in Rabi season. Gadaga district is covered with 1.2 lakh hectares of area which works out to 18.2% of the total State area. The estimated area by ratio method was higher to the extent of 2.5% when compared the reconciled area.

Estimated area under Tur crop and Bengal gram is given in Table-14 and districtwise details are given in Appendix-2.5.

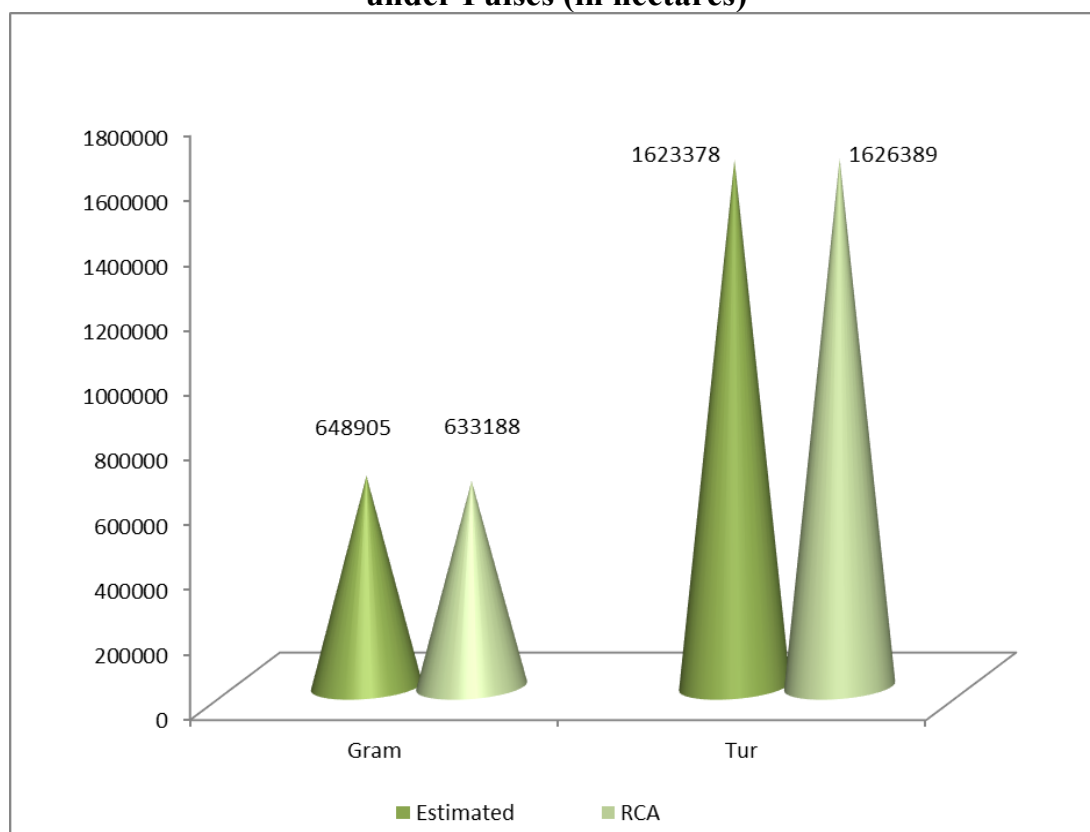
**Table – 14**

**Estimated and Reconciled area under Tur and Bengal gram crops**

Area in hectares			
Crop	Estimated area as per Ratio Method	Reconciled area (as per Crop survey)	% variation over Reconciled area
1	2	3	4
Tur	1623378	1626389	-0.19
Bengal gram	648905	633188	2.48

Estimated area for pulse crops under ratio method and reconciled area is graphically presented below.

**Estimated (Ratio Method ) and Reconciled Area under Pulses (in hectares)**



## 2.9 Groundnut

Groundnut is an important oilseed crop grown in about 4.8 lakh hectares in the State. Though it is grown in Kharif and Summer seasons, about 85.8% of the area is cultivated during kharif season alone. Predominant groundnut growing districts are Chitradurga (1.2 lakh hectares) and Ballary (0.62 lakh hectares), which accounted for 37.2% of the total area of the State. Seasonwise estimates of area are given in Table-15.

**Table – 15**

**Seasonwise Estimated and Reconciled area under Groundnut crop**

Area in hectares

<b>Season</b>	<b>Estimated area as per Ratio Method</b>	<b>Reconciled area (as per Crop survey)</b>	<b>% variation over Reconciled area</b>
1	2	3	4
Kharif	419798	413855	1.44
Summer	67956	68774	-1.19
<b>Total</b>	<b>487754</b>	<b>482629</b>	<b>1.06</b>

The estimated area under ratio method was higher side to the extent of 1.1% when compared with Reconciliation area. Variety wise and irrigated / un irrigated details are given in Table-16.



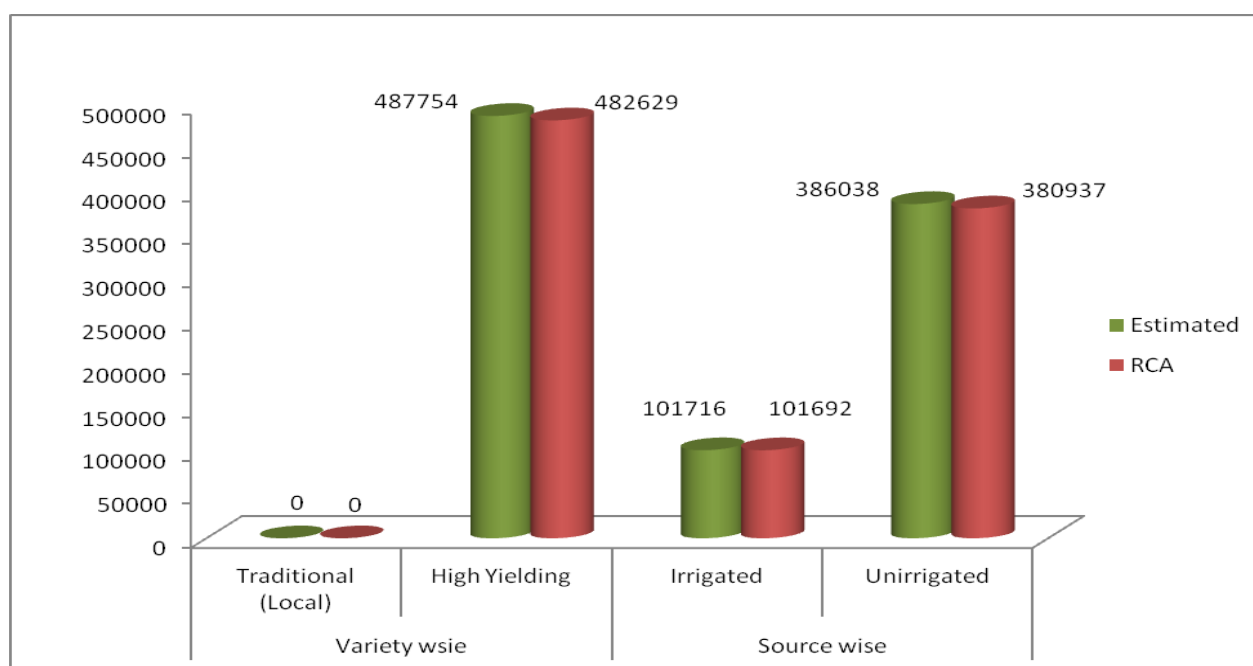
Table – 16

**Season and Varietywise estimated area under Ratio method under Groundnut crop**

Area in hectares

Variety	Irrigated/ Unirrigated	Estimated area as per Ratio Method			Reconciled area (as per Crop survey)			% variation over Reconciled area
		Kharif	Summer	Total	Kharif	Summer	Total	
1	2	3	4	5	6	7	8	9
Traditional (Local)	Irrigated	0	0	0	0	0	0	0
	Unirrigated	0	0	0	0	0	0	0
	<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
High Yielding	Irrigated	33760	67956	101716	33173	68519	101692	0.0
	Unirrigated	386038	0	386038	380682	255	380937	1.3
	<b>Total</b>	<b>419798</b>	<b>67956</b>	<b>487754</b>	<b>413855</b>	<b>68774</b>	<b>482629</b>	<b>1.1</b>
Total	Irrigated	33760	67956	101716	33173	68519	101692	0.0
	Unirrigated	386038	0	386038	380682	255	380937	1.3
	<b>Total</b>	<b>419798</b>	<b>67956</b>	<b>487754</b>	<b>413855</b>	<b>68774</b>	<b>482629</b>	<b>1.1</b>

**Estimated Area (Ratio Method) and Reconciled Area under Groundnut Crop Varietywise and Sourcewise (in hectares)**



It is seen from the above table that, the estimated area under irrigation and Unirrigation as per ratio method was on higher side to the extent of 0.02% and 1.3% respectively. The total area under high yielding variety was also on higher side to the extent of 1.1% when compared with reconciled area. The entire area under the crop was grown as high yield variety. Districtwise details are given in Appendix – 2.6

## 2.10 Sunflower

Sunflower is another important oilseed crop grown in about 1.4 lakh hectares in the State. Gadaga had the largest area (0.25 lakh hectares) followed by Bagalkote (0.20 lakh hectares), Koppal (0.18 lakh hectares) and Chamarajanagara (0.17 lakh hectares). Total area in these four districts alone contributes 59.4% of sunflower area of the State.

Seasonwise estimated area under ratio method is given in Table – 17

**Table – 17**

### **Seasonwise Estimated and Reconciled area under Sunflower crop**

Area in hectares			
<b>Season</b>	<b>Estimated area as per Ratio Method</b>	<b>Reconciled area (as per Crop survey)</b>	<b>% variation over Reconciled area</b>
1	2	3	4
Kharif	107647	105941	1.61
Rabi	28174	25164	11.96
Summer	4242	4517	-6.09
<b>Total</b>	<b>140063</b>	<b>135622</b>	<b>3.28</b>

It is seen from the above table that, the area estimated under ratio method was higher side when compared with reconciled area. Comparative information showing the season wise and variety wise estimates of area irrigated and high yielding variety by ratio method and reconciled area are given in Table – 18.

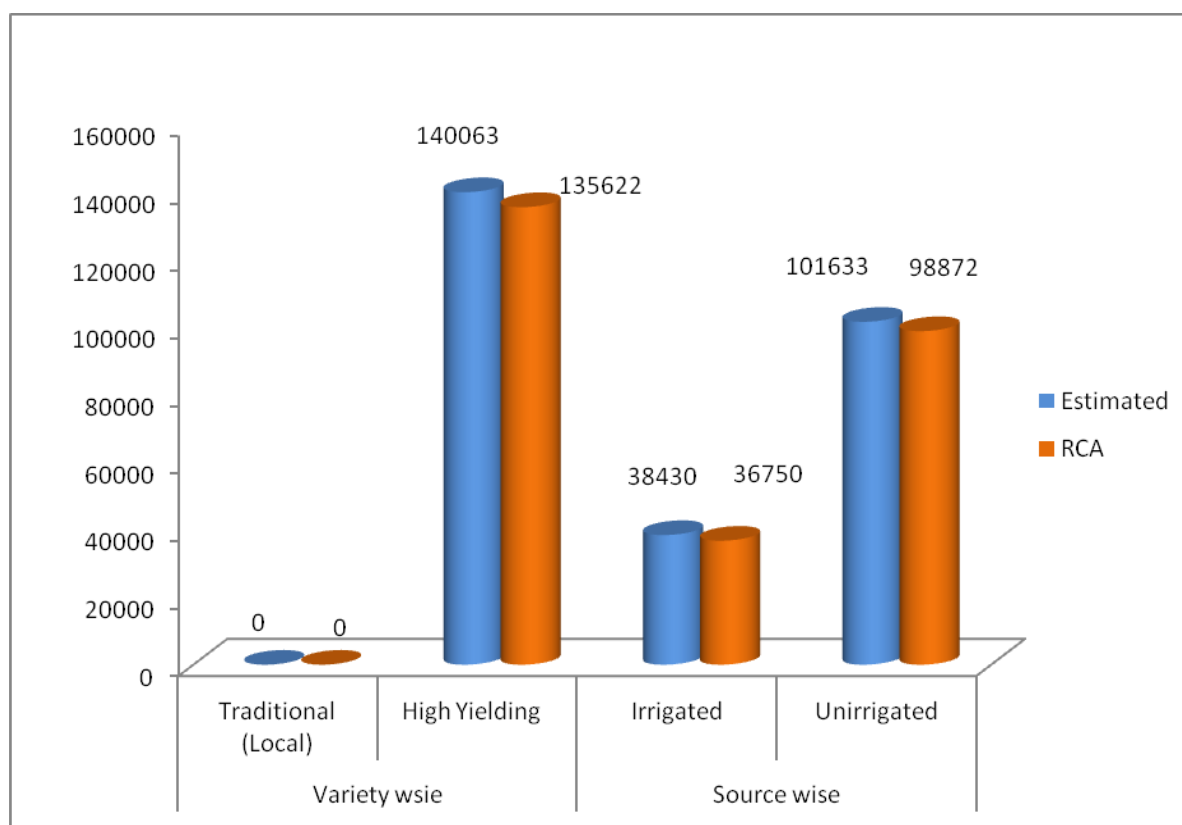
Table – 18

**Season and Varietywise area Estimated under Ratio method under  
Sunflower crop**

Area in hectares

Variety	Irrigated/ Unirrigated	Estimated area as per Ratio Method				Reconciled area (as per Crop survey)	% variation over Reconciled area
		Kharif	Rabi	Summer	Total		
1	2	3	4	5	6	7	8
Traditional (Local)	Irrigated	0	0	0	0	0	0
	Unirrigated	0	0	0	0	0	0
	<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
High Yielding	Irrigated	21994	12194	4242	38430	36750	4.6
	Unirrigated	85653	15980	0	101633	98872	2.8
	<b>Total</b>	<b>107647</b>	<b>28174</b>	<b>4242</b>	<b>140063</b>	<b>135622</b>	<b>3.3</b>
Total	Irrigated	21994	12194	4242	38430	36750	4.6
	Unirrigated	85653	15980	0	101633	98872	2.8
	<b>Total</b>	<b>107647</b>	<b>28174</b>	<b>4242</b>	<b>140063</b>	<b>135622</b>	<b>3.3</b>

**Estimated Area (Ratio Method) and Reconciled Area under Sunflower Crop  
Varietywise and Sourcewise (in hectares)**



It is clear from the above table that, in the ratio method the estimated area under hybrid variety was higher when compared to the reconciled area. The percentage variation of area estimated under ratio method over reconciled area was 3.3. The entire area under the crop was high yield variety. Districtwise details are given in Appendix –2.7

### **2.11 Sesamum**

Sesamum crop is grown in 0.31 lakh hectares, mainly in rain fed areas during kharif season only. It is largely grown in Kulburgi 0.13 lakh hectares, Koppala 0.07 lakh hectares and Chamarajanagara 0.04 lakh hectares. Percentage variation of estimated area under ratio method over reconciled area was lower to the extent of -13.9 %. The entire area under the crop was grown as high yield variety. Districtwise area details are given in Appendix -2.8

### **2.12 Safflower**

Safflower is an important oilseed crop grown about 0.23 lakh hectares of area in Rabi season during 2019-20. It is largely grown in Bidar district (0.09 lakh hectares) followed by Dharwad (0.04 lakh hectares) and Gadaga (0.03 lakh hectares). Estimated area by ratio method was lower to the extent of -28.2% when compared to reconciled area. The entire area under the crop was grown as high yield variety. Districtwise area details are given in Appendix - 2.8.

### **2.13 Linseed**

Linseed is another oilseed crop grown in the State during Rabi season only. Out of 193 hectares of area about 53.9 % of area was sown in Belagavi district. Estimated area by ratio method was lower to the extent of -55.4% when compared with reconciled area. Estimated area under Sesamum, Safflower and Linseed is given in Table-19. District wise area sown details are given in Appendix – 2.8.

**Table – 19**

#### **Estimated and Reconciled area under Sesamum, Safflower and Linseed crops**

Area in hectares

<b>Crop</b>	<b>Estimated area as per Ratio Method</b>	<b>Reconciled area (as per Crop survey)</b>	<b>% variation over Reconciled area</b>
1	2	3	4
Sesamum	26455	30724	-13.89
Safflower	16751	23326	-28.19
Linseed	86	193	-55.39

**Table – 20**

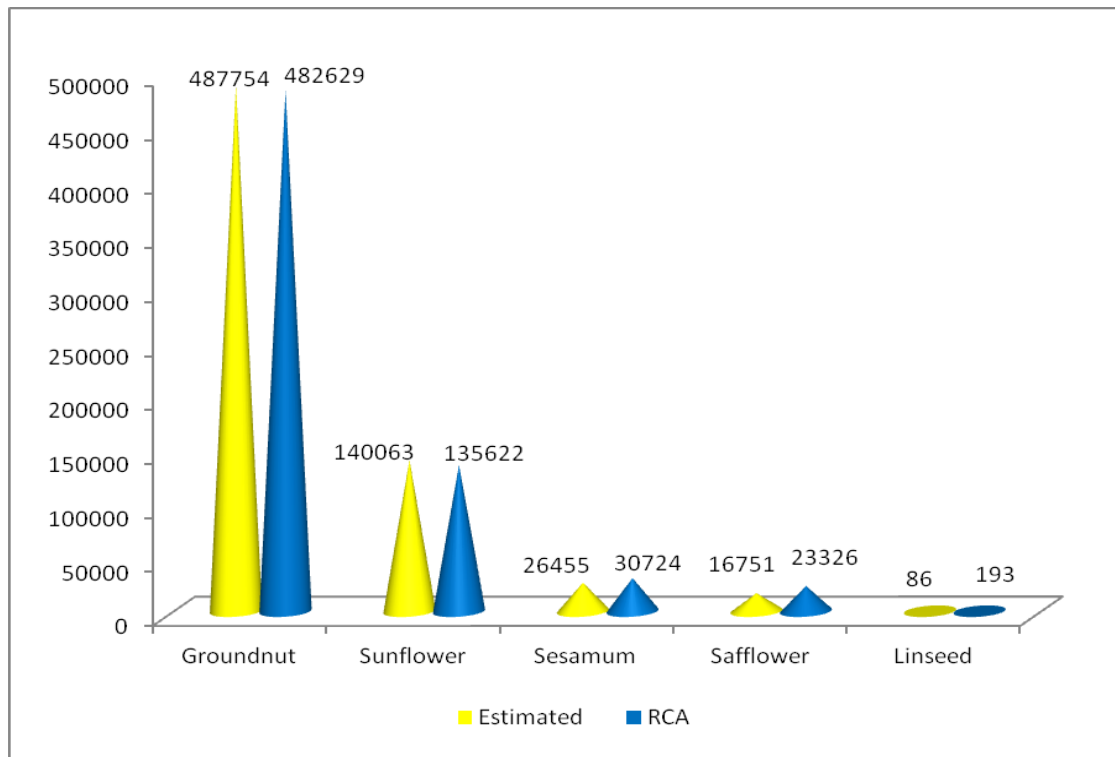
**Estimated and Reconciled area (as per crop survey) under Oilseed Crops**

Area in hectares

Crop Name	Estimated area as per Ratio Method	Reconciled area (as per Crop survey)	% variation over Reconciled area
1	2	3	4
Groundnut	487754	482629	1.06
Sunflower	140063	135622	3.27
Sesamum	26455	30724	-13.89
Safflower	16751	23326	-28.18
Linseed	86	193	-55.44

Estimated area for oilseed crops under ratio method and reconciled area is graphically presented below.

**Estimated (Ratio Method) and Reconciled Area under Oilseed Crops (in hectares)**



## 2.14 Cotton

Cotton is an important cash crop largely grown in Gadaga, Dharwad, Raichuru and Belagavi districts. 0.13 lakh hectares of area was covered under the crop during 2019-20. The variation of estimated area over reconciled area as per ratio method was -6.8%. Variety wise and irrigated/unirrigated details are given in Table-21. The district wise area details are given in Appendix-2.9.

**Table – 21**

### **Varietywise Estimated and Reconciled area under Cotton crop**

Area in hectares				
Variety	Irrigated/ Unirrigated	Estimated area as per Ratio Method	Reconciled area (as per Crop survey)	% variation over Reconciled area
1	2	3	4	5
Traditional (Local)	Irrigated	186	328	-43.2
	Unirrigated	5564	4923	13.0
	<b>Total</b>	<b>5750</b>	<b>5252</b>	<b>9.4</b>
High Yielding	Irrigated	2690	3206	-16.0
	Unirrigated	4090	4981	-17.9
	<b>Total</b>	<b>6780</b>	<b>8187</b>	<b>-17.1</b>
Total	Irrigated	2876	3535	-18.7
	Unirrigated	9654	9904	-2.5
	<b>Total</b>	<b>12530</b>	<b>13438</b>	<b>-6.8</b>

## 2.15 Sugarcane

Sugarcane is an irrigated crop, which is grown in all the seasons. Out of 2 lakh hectares of area under the crop, 47.2 % of cropped area is found in Belagavi district alone followed by, Bagalakote (21.1%), Vijayapura (9%) and Mandya (4.4%). Estimated area by Ratio method was lower to the extent of -17% when compared to reconciled area. Variety wise and irrigated/unirrigated details are given in Table-22. District wise details of estimates are given in Appendix – 2.9.

Table – 22

## Varietywise Estimated and Reconciled area under Sugarcane crop

Area in hectares				
Variety	Irrigated/ Unirrigated	Estimated area as per Ratio Method	Reconciled area (as per Crop survey)	% variation over Reconciled area
1	2	3	4	5
Traditional (Local)	Irrigated	507	151632	-99.7
	Unirrigated	0	176	-100.0
	<b>Total</b>	<b>507</b>	<b>151808</b>	<b>-99.7</b>
High Yielding	Irrigated	163599	48911	234.4
	Unirrigated	4255	2118	100.9
	<b>Total</b>	<b>167854</b>	<b>51029</b>	<b>220.9</b>
Total	Irrigated	164106	200543	-18.1
	Unirrigated	4255	2294	85.4
	<b>Total</b>	<b>168361</b>	<b>202837</b>	<b>-17.0</b>

Estimated area under Cotton and Sugarcane is given in Table-23

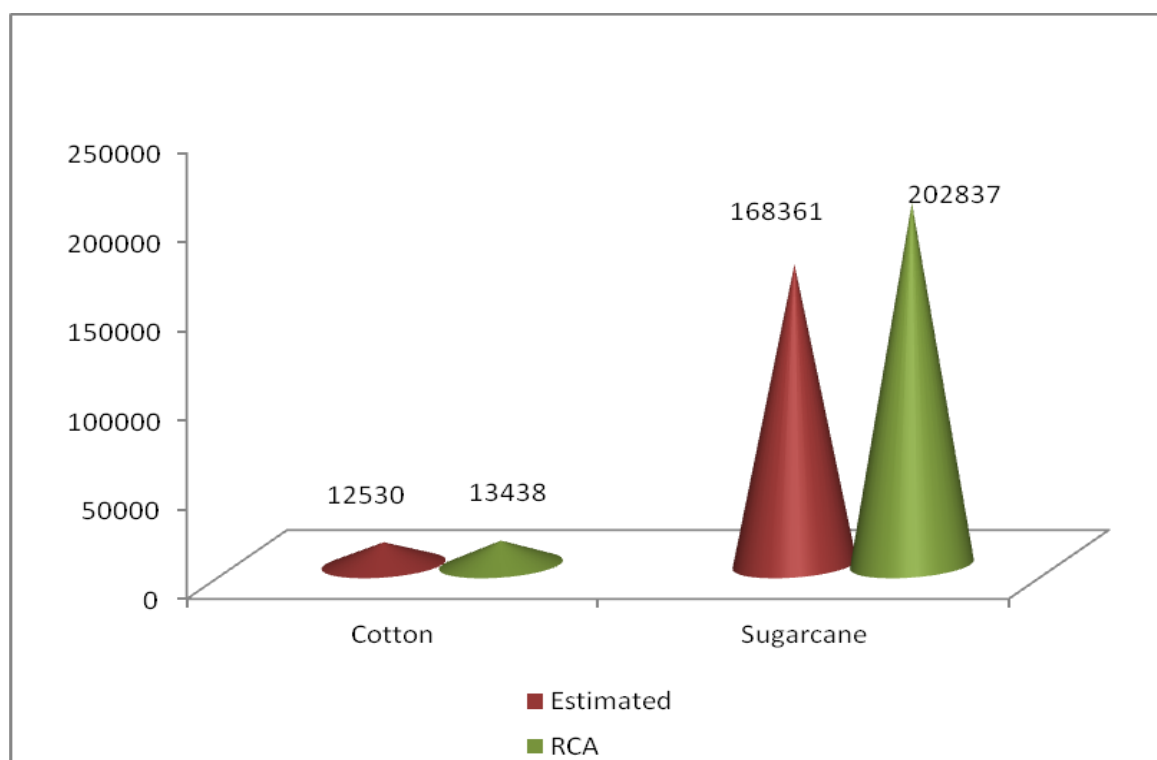
Table - 23

**Estimated and Reconciled area under Cotton and Sugarcane crops**

Area in hectares			
Crop	Estimated area as per Ratio Method	Reconciled area (as per Crop survey)	% variation over Reconciled area
1	2	3	4
Cotton	12530	13438	-6.76
Sugarcane	168361	202837	-17.00

Graphical representation of estimated area under ratio method and reconciled area under cotton and Sugarcane crops are presented below.

**Estimated Area (Ratio Method) and Reconciled Area Cotton and Sugarcane Crops (in hectares)**





### **3. SUMMARY OF THE FINDINGS:**

- 3.1 The area estimated under ratio method on the basis of the 20% of villages selected is almost nearer to the reconciled area figures, which helps to frame some important agriculture policies at national and state level.
- 3.2 The Timely Reporting Scheme was implemented in 5773 villages out of 5826 villages remaining 53 villages was NA villages of the State during 2019-20, which belong to the fourth set of villages selected under the scheme for the years 2016-17 to 2020-21.
- 3.3 During the year the crop abstracts were received from all the villages in respect of Kharif, Rabi and Summer seasons.
- 3.4 During the year 2019-20 percentage of supervision by Statistics, Agriculture and Horticulture Departments personnel was 99.44%, 97.26% and 97.02% respectively.
- 3.5 The estimated area under ratio method was high in respect of Paddy, Groundnut, Bengal gram and Sunflower crops and was low in case of Jowar, Maize, Tur, Ragi, Bajra, Wheat, Cotton, Sugarcane, Sesamum, Safflower and Linseed crops when compared to the reconciled area.

\*\*\*\*\*

**APPENDIX - 1**

**Districtwise, Seasonwise receipt position of village crop abstracts during 2019-20**

Sl. No.	District	No. of villages from which crop abstracts received								
		Kharif *			Rabi **			Summer ***		
		No. of villages selected	No. of Crop Abstracts Received	%	No. of villages selected	No. of Crop Abstracts Received	%	No. of villages selected	No. of Crop Abstracts Received	%
1	Bagalkote	119	118	99.16	119	117	98.32	119	117	98.32
2	Bengaluru Rural	112	112	100.00	112	112	100.00	112	112	100.00
3	Bengaluru Urban	212	212	100.00	212	211	99.53	212	209	98.58
4	Belagavi	233	231	99.14	233	233	100.00	233	233	100.00
5	Bellary	127	125	98.43	127	127	100.00	127	125	98.43
6	Bidar	125	123	98.40	125	125	100.00	125	125	100.00
7	Vijayapura	127	127	100.00	127	127	100.00	127	127	100.00
8	Chamarajanagar	91	90	98.90	91	91	100.00	91	91	100.00
9	Chikkaballapura	303	302	99.67	303	302	99.67	303	264	87.13
10	Chikkamagaluru	223	219	98.21	223	223	100.00	223	223	100.00
11	Chitradurga	210	208	99.05	210	210	100.00	210	206	98.10
12	D. Kannada	72	72	100.00	72	72	100.00	72	72	100.00
13	Davanagere	165	164	99.39	165	165	100.00	165	164	99.39
14	Dharwad	78	77	98.72	78	78	100.00	78	78	100.00
15	Gadag	64	64	100.00	64	64	100.00	64	64	100.00
16	Kalaburagi	184	182	98.91	184	184	100.00	184	182	98.91
17	Hassan	544	503	92.46	544	542	99.63	544	541	99.45
18	Haveri	137	137	100.00	137	137	100.00	137	137	100.00
19	Kodagu	54	54	100.00	54	54	100.00	54	54	100.00
20	Kolar	358	358	100.00	358	358	100.00	358	334	93.30
21	Koppal	125	123	98.40	125	125	100.00	125	125	100.00
22	Mandya	295	294	99.66	295	295	100.00	295	295	100.00
23	Mysuru	268	260	97.01	268	268	100.00	268	268	100.00
24	Raichuru	176	175	99.43	176	176	100.00	176	176	100.00
25	Ramanagara	164	164	100.00	164	164	100.00	164	161	98.17
26	Shivamogga	310	309	99.68	310	310	100.00	310	308	99.35
27	Tumakuru	539	533	98.89	539	539	100.00	539	500	92.76
28	Udupi	53	53	100.00	53	53	100.00	53	53	100.00
29	U.Kannada	256	256	100.00	256	256	100.00	256	256	100.00
30	Yadagiri	102	102	100.00	102	102	100.00	102	102	100.00
<b>TOTAL</b>		<b>5826</b>	<b>5747</b>	<b>98.64</b>	<b>5826</b>	<b>5820</b>	<b>99.90</b>	<b>5826</b>	<b>5702</b>	<b>97.87</b>

\* 53-Villages marked as Non-Agriculture villages (NA), 26 Villages - Mapping issue/Sub merged due to flooding/Technical issues/Villages under wildlife area.

\*\* 1 Village - Mapping issue, 1 Village - zero extent, 4 Villages - Not reflecting in MIS report.

\*\*\* 39 Villages in Tumkur, 38 Villages in Chikkaballapur and 24 in Kolar were not verified by the verifier due to Covid-19 restrictions and remaining 23 Villages Map Issue/Zero Extent/not reflecting in MIS/Location not found, Forest/Wild area.

**APPENDIX - 2.1**

**Cropwise and Seasonwise, ratio estimate and reconciled area for the year 2019-20**

**Crop : Paddy**

Sl. No.	District	Kharif			Rabi			Summer			Total		
		Ratio	Reconciled area (as per Crop Survey)	% of Variation over Reconciled area	Ratio	Reconciled area (as per Crop Survey)	% of Variation over Reconciled area	Ratio	Reconciled area (as per Crop Survey)	% of Variation over Reconciled area	Ratio	Reconciled area (as per Crop Survey)	% of Variation over Reconciled area
1	Bagalkote	36	33	8.91	0	49	-100.00	0	0	0.00	36	82	-56.57
2	Bengaluru Rural	140	141	-0.88	0	5	-100.00	102	60	68.99	242	207	17.07
3	Bengaluru Urban	196	573	-65.83	0	8	-100.00	23	29	-21.72	219	611	-64.17
4	Belagavi	60571	60515	0.09	0	1333	-100.00	0	30	-100.00	60571	61878	-2.11
5	Bellary	97180	97180	0.00	14807	3313	346.88	31741	30682	3.45	143728	131176	9.57
6	Bidar	743	743	0.00	0	24	-100.00	0	0	0.00	743	767	-3.13
7	Vijayapura	122	108	12.72	0	50	-100.00	0	0	0.00	122	158	-22.91
8	Chamarajanagar	6983	6783	2.96	2408	1205	99.83	579	570	1.58	9970	8558	16.50
9	Chikkaballapura	626	239	161.67	0	233	-100.00	0	34	-100.00	626	506	23.84
10	Chikkamagaluru	16713	14399	16.07	1	1	-29.08	1204	1233	-2.39	17918	15634	14.61
11	Chitradurga	130	96	36.01	881	784	12.37	111	118	-5.68	1122	998	12.51
12	D. Kannada	9898	10260	-3.53	2451	2368	3.52	0	0	0.00	12349	12628	-2.21
13	Davanagere	71223	69724	2.15	0	106	-100.00	34299	34610	-0.90	105522	104440	1.04
14	Dharwad	12376	9965	24.20	0	64	-100.00	1	1	7.53	12377	10029	23.41
15	Gadag	3947	3222	22.49	0	168	-100.00	1488	1426	4.36	5435	4816	12.85
16	Kalaburagi	5226	7040	-25.78	0	1051	-100.00	401	578	-30.57	5627	8670	-35.10
17	Hassan	41841	42301	-1.09	0	1653	-100.00	525	538	-2.41	42366	44492	-4.78
18	Haveri	28237	29195	-3.28	0	31	-100.00	7166	7104	0.88	35403	36330	-2.55
19	Kodagu	27245	27849	-2.17	0	5	-100.00	8	10	-20.00	27253	27864	-2.19
20	Kolar	1210	1148	5.43	0	91	-100.00	0	2	-100.00	1210	1240	-2.41
21	Koppal	57241	56290	1.69	0	571	-100.00	42058	43515	-3.35	99299	100375	-1.07
22	Mandya	52208	52192	0.03	0	766	-100.00	13560	13694	-0.98	65768	66651	-1.32
23	Mysuru	77102	76138	1.27	0	0	0.00	7481	7544	-0.83	84583	83682	1.08
24	Raichuru	145797	143692	1.46	0	5642	-100.00	74629	73145	2.03	220426	222479	-0.92
25	Ramanagara	2527	2463	2.61	0	28	-100.00	208	234	-11.05	2735	2725	0.37
26	Shivamogga	81554	82004	-0.55	408	495	-17.58	6807	6947	-2.02	88769	89446	-0.76
27	Tumakuru	1565	1493	4.78	0	32	-100.00	896	897	-0.16	2461	2423	1.57
28	Udupi	32987	34553	-4.53	3195	3716	-14.03	48	54	-10.73	36230	38323	-5.46
29	U.Kannada	47263	46275	2.14	723	928	-22.12	460	544	-15.49	48446	47747	1.46
30	Yadgiri	88134	87474	0.75	1145	2020	-43.31	30095	30924	-2.68	119374	120418	-0.87
<b>STATE TOTAL</b>		<b>971023</b>	<b>964088</b>	<b>0.72</b>	<b>26019</b>	<b>26742</b>	<b>-2.70</b>	<b>253890</b>	<b>254522</b>	<b>-0.25</b>	<b>1250932</b>	<b>1245352</b>	<b>0.45</b>

RCA - Reconciled Crop Area

**APPENDIX - 2.2**

**Cropwise and Seasonwise estimated area under ratio method and reconciled area during 2019-20**

**Crop : Jowar**

**Area in hectares**

Sl. No.	District	Kharif			Rabi			Total		
		Ratio	Reconciled area (as per Crop Survey)	% of Variation over Reconciled area	Ratio	Reconciled area (as per Crop Survey)	% of Variation over Reconciled area	Ratio	Reconciled area (as per Crop Survey)	% of Variation over Reconciled area
1	Bagalkote	5549	5512	0.67	70909	71138	-0.32	76458	76650	-0.25
2	Bengaluru Rural	1941	1960	-0.95	0	137	-100.00	1941	2097	-7.44
3	Bengaluru Urban	3104	3250	-4.49	0	48	-100.00	3104	3298	-5.87
4	Belagavi	14290	13412	6.54	117417	129033	-9.00	131707	142445	-7.54
5	Bellary	13653	13575	0.57	21292	20795	2.39	34945	34370	1.67
6	Bidar	18001	17265	4.26	0	30312	-100.00	18001	47576	-62.16
7	Vijayapura	1394	1392	0.10	88428	72617	21.77	89822	74009	21.37
8	Chamarajanagar	28277	27540	2.67	0	1045	-100.00	28277	28585	-1.08
9	Chikkaballapura	10354	10152	2.00	0	518	-100.00	10354	10669	-2.95
10	Chikkamagaluru	1833	214	755.55	0	2024	-100.00	1833	2238	-18.09
11	Chitradurga	10440	10424	0.15	9440	5606	68.39	19880	16030	24.02
12	D. Kannada	0	0	-100.00	0	1	-100.00	0	1	-100.00
13	Davanagere	726	715	1.49	3962	3412	16.12	4688	4127	13.58
14	Dharwad	999	973	2.65	45358	38263	18.54	46357	39236	18.15
15	Gadag	3045	2966	2.63	49657	61060	-18.68	52702	64027	-17.69
16	Kalaburagi	4766	4688	1.66	64821	55751	16.27	69587	60440	15.13
17	Hassan	15849	15903	-0.34	0	477	-100.00	15849	16380	-3.24
18	Haveri	402	356	12.77	58116	49482	17.45	58518	49839	17.41
19	Kodagu	326	339	-4.01	0	0	0.00	326	339	-4.01
20	Kolar	2347	2247	4.43	0	378	-100.00	2347	2625	-10.60
21	Koppal	6892	6892	0.01	35519	34016	4.42	42411	40908	3.67
22	Mandya	3058	2864	6.79	0	609	-100.00	3058	3473	-11.95
23	Mysuru	16812	17414	-3.46	641	1340	-52.18	17453	18754	-6.94
24	Raichuru	6214	6131	1.36	60755	58759	3.40	66969	64890	3.20
25	Ramanagara	2130	2132	-0.11	0	343	-100.00	2130	2475	-13.95
26	Shivamogga	81	80	1.26	366	239	53.10	447	319	40.07
27	Tumakuru	8101	8714	-7.04	0	365	-100.00	8101	9079	-10.77
28	Udupi	7	7	-3.38	0	13	-100.00	7	20	-67.26
29	U.Kannada	158	157	0.89	200	227	-12.05	358	384	-6.77
30	Yadagiri	1314	1311	0.17	19059	18326	4.00	20373	19637	3.75
<b>STATE TOTAL</b>		<b>182061</b>	<b>178587</b>	<b>1.95</b>	<b>645940</b>	<b>656335</b>	<b>-1.58</b>	<b>828001</b>	<b>834922</b>	<b>-0.83</b>

RCA - Reconciled Crop Area

**APPENDIX - 2.3**

**Cropwise and Seasonwise estimated area under ratio method and reconciled area during 2019- 20**

**Crop : Ragi**

**Area in hectares**

Sl. No.	District	Kharif			Rabi			Summer			Total		
		Ratio	Reconciled area (as per Crop Survey)	% of Variation over Reconciled area	Ratio	Reconciled area (as per Crop Survey)	% of Variation over Reconciled area	Ratio	Reconciled area (as per Crop Survey)	% of Variation over Reconciled area	Ratio	Reconciled area (as per Crop Survey)	% of Variation over Reconciled area
1	Bagalkote	35	46	-23.80	0	76	-100.00	0	0	0.00	35	122	-71.52
2	Bengaluru Rural	38369	46494	-17.48	379	159	138.82	47	32	48.78	38795	46685	-16.90
3	Bengaluru Urban	17112	18380	-6.90	0	376	-100.00	7	8	-16.96	17119	18765	-8.77
4	Belagavi	1640	1014	61.76	0	98	-100.00	0	0	-100.00	1640	1112	47.48
5	Bellary	10512	11189	-6.05	6655	7677	-13.31	865	875	-1.18	18032	19741	-8.66
6	Bidar	8	36	-77.99	0	24	-100.00	0	0	0.00	8	60	-86.76
7	Vijayapura	104	110	-5.52	0	89	-100.00	0	0	0.00	104	199	-47.69
8	Chamarajanagar	5149	5081	1.32	162	438	-63.02	77	91	-15.20	5388	5610	-3.97
9	Chikkaballapura	44823	44956	-0.30	0	679	-100.00	264	173	52.55	45087	45809	-1.58
10	Chikkamagaluru	33416	33624	-0.62	0	595	-100.00	0	3	-100.00	33416	34222	-2.36
11	Chitradurga	38219	38291	-0.19	7597	7305	4.00	609	866	-29.64	46425	46461	-0.08
12	D. Kannada	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00
13	Davanagere	6569	6899	-4.78	2402	2292	4.79	228	231	-1.17	9199	9422	-2.36
14	Dharwad	40	52	-23.20	0	56	-100.00	0	0	0.00	40	108	-63.11
15	Gadag	51	53	-4.71	0	32	-100.00	0	1	-100.00	51	86	-40.92
16	Kalaburagi	50	61	-17.21	0	44	-100.00	0	0	0.00	50	104	-51.86
17	Hassan	72314	71870	0.62	9251	4210	119.74	324	309	4.89	81889	76389	7.20
18	Haveri	246	233	5.28	53	89	-40.58	17	17	1.98	316	339	-6.94
19	Kodagu	16	21	-23.92	0	0	0.00	0	0	0.00	16	21	-23.92
20	Kolar	59999	59808	0.32	0	727	-100.00	51	56	-8.63	60050	60590	-0.89
21	Koppal	69	77	-10.95	0	35	-100.00	0	0	0.00	69	112	-38.60
22	Mandya	44151	43848	0.69	3820	2053	86.06	2072	2090	-0.84	50043	47991	4.27
23	Mysuru	41022	43158	-4.95	9748	14020	-30.47	160	170	-5.80	50930	57348	-11.19
24	Raichuru	72	77	-6.95	0	59	-100.00	0	0	0.00	72	137	-47.32
25	Ramanagara	57297	56632	1.17	66	379	-82.58	698	698	-0.03	58061	57709	0.61
26	Shivamogga	492	500	-1.71	0	21	-100.00	7	8	-17.36	499	530	-5.83
27	Tumakuru	142158	143275	-0.78	105	299	-64.89	493	425	15.93	142756	143999	-0.86
28	Udupi	0	0	-26.67	0	0	-100.00	0	0	0.00	0	1	-82.81
29	U.Kannada	5	6	-4.96	0	15	-100.00	0	0	0.00	5	21	-74.36
30	Yadagiri	4	4	-7.32	0	14	-100.00	0	3	-100.00	4	22	-82.35
<b>STATE TOTAL</b>		<b>613940</b>	<b>625796</b>	<b>-1.89</b>	<b>40238</b>	<b>41862</b>	<b>-3.88</b>	<b>5919</b>	<b>6056</b>	<b>-2.26</b>	<b>660097</b>	<b>673714</b>	<b>-2.02</b>

RCA - Reconciled Crop Area

**APPENDIX - 2.4**

**Cropwise and Seasonwise estimated area under ratio method and reconciled area during 2019-20**

**Crop : Maize**

**Area in hectares**

Sl. No.	District	Kharif			Rabi			Summer			Total		
		Ratio	Reconciled area (as per Crop Survey)	% of Variation over Reconciled area	Ratio	Reconciled area (as per Crop Survey)	% of Variation over Reconciled area	Ratio	Reconciled area (as per Crop Survey)	% of Variation over Reconciled area	Ratio	Reconciled area (as per Crop Survey)	% of Variation over Reconciled area
1	Bagalkote	48080	48260	-0.37	14300	11251	27.10	3246	3451	-5.93	65626	62961	4.23
2	Bengaluru Rural	7664	6731	13.87	223	122	83.37	31	57	-45.64	7918	6910	14.60
3	Bengaluru Urban	2358	2073	13.74	0	15	-100.00	29	24	22.62	2387	2112	13.02
4	Belagavi	139727	138709	0.73	34203	36455	-6.18	7221	7843	-7.93	181151	183008	-1.01
5	Bellary	187476	188034	-0.30	3455	4337	-20.33	245	213	15.28	191176	192583	-0.73
6	Bidar	990	913	8.49	0	291	-100.00	0	85	-100.00	990	1289	-23.16
7	Vijayapura	55579	55554	0.05	5410	6226	-13.10	2136	2025	5.46	63125	63805	-1.07
8	Chamarajanagar	20400	20198	1.00	126	4667	-97.30	1525	1518	0.43	22051	26383	-16.42
9	Chikkaballapura	43025	41856	2.79	346	740	-53.25	123	135	-9.01	43494	42732	1.78
10	Chikkamagaluru	16512	15989	3.27	0	427	-100.00	0	10	-100.00	16512	16426	0.53
11	Chitradurga	91773	91284	0.54	3249	3698	-12.13	477	512	-6.88	95499	95494	0.01
12	D. Kannada	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00
13	Davanagere	135115	135001	0.08	711	810	-12.18	891	856	4.06	136717	136667	0.04
14	Dharwad	50202	48462	3.59	9439	6995	34.94	1020	1020	-0.02	60661	56477	7.41
15	Gadag	71545	72737	-1.64	2898	5780	-49.86	385	289	33.05	74828	78806	-5.05
16	Kalaburagi	2825	2818	0.24	0	547	-100.00	0	124	-100.00	2825	3489	-19.05
17	Hassan	97766	97727	0.04	2553	3753	-31.98	268	236	13.35	100587	101716	-1.11
18	Haveri	204698	204680	0.01	15027	14555	3.24	6128	6030	1.63	225853	225265	0.26
19	Kodagu	1596	1497	6.65	0	0	0.00	0	0	0.00	1596	1497	6.65
20	Kolar	1515	1519	-0.24	0	252	-100.00	74	78	-5.31	1589	1849	-14.03
21	Koppal	54777	50444	8.59	3694	3480	6.16	502	477	5.23	58973	54401	8.40
22	Mandya	3131	3142	-0.33	693	392	76.96	395	361	9.49	4219	3894	8.35
23	Mysuru	29082	28581	1.75	3985	3954	0.79	183	180	1.56	33250	32715	1.63
24	Raichuru	778	691	12.53	0	905	-100.00	0	12	-100.00	778	1608	-51.64
25	Ramanagara	2677	2680	-0.12	459	877	-47.66	671	608	10.38	3807	4165	-8.59
26	Shivamogga	59436	59333	0.17	1580	1776	-11.03	3706	3804	-2.58	64722	64913	-0.29
27	Tumakuru	26377	26132	0.94	0	412	-100.00	93	85	9.85	26470	26629	-0.60
28	Udupi	1	1	-30.77	0	16	-100.00	0	1	-100.00	1	19	-95.16
29	U.Kannada	10158	10081	0.76	1325	1238	7.05	750	815	-7.97	12233	12134	0.82
30	Yadagiri	197	194	1.17	0	99	-100.00	0	10	-100.00	197	304	-35.25
<b>STATE TOTAL</b>		<b>1365461</b>	<b>1355322</b>	<b>0.75</b>	<b>103676</b>	<b>114067</b>	<b>-9.11</b>	<b>30099</b>	<b>30861</b>	<b>-2.47</b>	<b>1499236</b>	<b>1500250</b>	<b>-0.07</b>

RCA - Reconciled Crop Area

**APPENDIX - 2.5**

**Cropwise estimated area under ratio method and reconciled area during 2019-20**

Sl. No	District	Area in hectares											
		Bajra (Kharif)			Wheat (Rabi)			Tur (Kharif)			Bengalgram (Rabi)		
		Ratio	Reconciled area (as per Crop Survey)	% of Variation over Reconciled area	Ratio	Reconciled area (as per Crop Survey)	% of Variation over Reconciled area	Ratio	Reconciled area (as per Crop Survey)	% of Variation over Reconciled area	Ratio	Reconciled area (as per Crop Survey)	% of Variation over Reconciled area
1	Bagalkote	30567	41733	-26.76	19817	20814	-4.79	51833	50933	1.77	56504	52472	7.68
2	Bengaluru Rural	8	8	7.05	0	0	-100.00	725	822	-11.87	0	22	-100.00
3	Bengaluru urban	1	16	-92.81	0	0	0.00	305	952	-67.96	0	0	-100.00
4	Belagavi	10361	18933	-45.28	46876	49523	-5.35	14398	14311	0.61	84204	86953	-3.16
5	Bellary	30239	31500	-4.00	38	129	-70.53	11168	11498	-2.87	17349	16221	6.95
6	Bidar	1854	2073	-10.57	0	5549	-100.00	129384	127939	1.13	0	54910	-100.00
7	Vijayapura	46805	49960	-6.31	25354	28156	-9.95	500927	497180	0.75	60796	58668	3.63
8	Chamarajanagar	882	885	-0.36	0	15	-100.00	386	319	21.10	1479	2091	-29.26
9	Chikkaballapura	175	198	-11.78	0	0	0.00	5002	5149	-2.86	0	39	-100.00
10	Chikkamagaluru	28	23	21.87	0	0	0.00	285	224	27.00	0	6667	-100.00
11	Chitradurga	3103	2933	5.79	669	363	84.10	5597	5773	-3.04	34039	34503	-1.34
12	D. Kannada	5	8	-42.79	0		0.00	1	1	-3.85	0	0	0.00
13	Davanagere	695	744	-6.51	0	187	-100.00	720	646	11.43	4598	6188	-25.69
14	Dharwad	31	42	-25.83	18812	22007	-14.52	554	545	1.56	66780	80740	-17.29
15	Gadag	2893	2827	2.34	19038	20122	-5.39	903	878	2.95	91903	115041	-20.11
16	Kalaburagi	1302	7449	-82.53	4194	7608	-44.87	604879	606717	-0.30	77856	17516	344.49
17	Hassan	96	87	9.90	0	6	-100.00	841	880	-4.44	497	580	-14.35
18	Haveri	36	42	-14.59	638	535	19.28	895	795	12.60	7389	3528	109.45
19	Kodagu	1	1	0.00	0	0	0.00	2	3	-46.26	0	0	0.00
20	Kolar	119	117	2.26	0	1	-100.00	541	1028	-47.40	0	4	-100.00
21	Koppal	105913	105746	0.16	1837	1497	22.74	27678	33633	-17.70	62094	66312	-6.36
22	Mandya	14	10	43.63	0	0	-100.00	282	366	-22.82	0	8	-100.00
23	Mysuru	7	15	-50.73	0	0	-100.00	2279	2530	-9.89	2807	357	685.39
24	Raichuru	55850	54728	2.05	0	82	-100.00	147896	144487	2.36	77306	29487	162.17
25	Ramanagara	1	2	-54.22	0	0	0.00	1262	1644	-23.23	0	1	-100.00
26	Shivamogga	3	5	-31.78	0	0	0.00	10	12	-15.03	0	4	-100.00
27	Tumakuru	192	179	6.93	0	1	-100.00	7705	7987	-3.54	388	329	18.11
28	Udupi	2	2	-1.17	0	0	0.00	0	1	-53.62	0	16	-100.00
29	U.Kannada	2	2	0.00	0	0	0.00	0	0	260.00	0	11	-100.00
30	Yadagiri	8215	7781	5.58	0	62	-100.00	106918	109136	-2.03	2916	520	461.29
	<b>STATE TOTAL</b>	<b>299396</b>	<b>328046</b>	<b>-8.73</b>	<b>137273</b>	<b>156659</b>	<b>-12.37</b>	<b>1623378</b>	<b>1626389</b>	<b>-0.19</b>	<b>648905</b>	<b>633188</b>	<b>2.48</b>

RCA - Reconciled Crop Area

**APPENDIX - 2.6**

**Cropwise and Seasonwise estimated area under ratio method and reconciled area during 2019-20**

**Crop : Groundnut**

Sl. No.	District	Kharif			Rabi/Summer			Area in hectares		
		Ratio	Reconciled area (as per Crop Survey)	% of Variation over Reconciled area	Ratio	Reconciled area (as per Crop Survey)	% of Variation over Reconciled area	Ratio	Reconciled area (as per Crop Survey)	% of Variation over Reconciled area
1	Bagalkote	2574	1991	29.24	13499	13582	-0.61	16073	15573	3.21
2	Bengaluru Rur	190	189	0.54	0	0	0.00	190	189	0.54
3	Bengaluru Urb	149	148	0.82	0	0	0.00	149	148	0.82
4	Belagavi	25264	24863	1.61	5303	5712	-7.15	30567	30575	-0.03
5	Bellary	53881	53908	-0.05	7613	7687	-0.96	61494	61595	-0.16
6	Bidar	37	32	14.99	0	0	0.00	37	32	14.99
7	Vijayapura	12167	11956	1.76	20049	20464	-2.03	32216	32420	-0.63
8	Chamarajanaga	4553	4544	0.19	0	0	0.00	4553	4544	0.19
9	Chikkaballapur	25199	24826	1.50	0	31	-100.00	25199	24857	1.38
10	Chikkamagalur	1601	1565	2.32	14	17	-17.65	1615	1582	2.11
11	Chitradurga	117745	116877	0.74	557	799	-30.33	118302	117677	0.53
12	D. Kannada	0	0	0.00	0	0	0.00	0	0	0.00
13	Davanagere	10061	9987	0.74	420	404	4.00	10481	10391	0.87
14	Dharwad	35310	35160	0.43	512	478	7.16	35822	35638	0.52
15	Gadag	35257	35235	0.06	4670	4694	-0.50	39927	39929	0.00
16	Kalaburagi	509	470	8.29	912	955	-4.51	1421	1425	-0.29
17	Hassan	370	371	-0.24	0	51	-100.00	370	422	-12.30
18	Haveri	19710	19512	1.02	2740	2769	-1.06	22450	22281	0.76
19	Kodagu	2	1	71.68	6	8	-25.00	8	9	-13.03
20	Kolar	7731	7277	6.24	0	3	-100.00	7731	7280	6.20
21	Koppal	10767	10609	1.48	9904	9342	6.01	20671	19952	3.60
22	Mandya	250	266	-5.97	0	0	0.00	250	266	-5.97
23	Mysuru	1579	1454	8.60	0	0	0.00	1579	1454	8.60
24	Raichuru	535	466	14.70	422	461	-8.38	957	927	3.23
25	Ramanagara	880	900	-2.23	0	6	-100.00	880	906	-2.85
26	Shivamogga	68	66	4.30	5	3	54.32	73	69	6.66
27	Tumakuru	50804	48641	4.45	697	620	12.47	51501	49261	4.55
28	Udupi	0	0	0.00	0	0	0.00	0	0	0.00
29	U.Kannada	23	21	7.07	20	23	-12.32	43	44	-3.01
30	Yadagiri	2582	2519	2.50	613	667	-8.08	3195	3186	0.29
<b>STATE TOTAL</b>		<b>419798</b>	<b>413855</b>	<b>1.44</b>	<b>67956</b>	<b>68774</b>	<b>-1.19</b>	<b>487754</b>	<b>482629</b>	<b>1.06</b>

RCA - Reconciled Crop Area



**APPENDIX - 2.7**

**Cropwise and Seasonwise ratio estimate and reconciled area for the year 2019-20**

**Crop : Sunflower**

**Area in hectares**

Sl. No.	District	Kharif			Rabi			Summer			Total		
		Ratio	Reconciled area (as per Crop Survey)	% of Variation over Reconciled area	Ratio	Reconciled area (as per Crop Survey)	% of Variation over Reconciled area	Ratio	Reconciled area (as per Crop Survey)	% of Variation over Reconciled area	Ratio	Reconciled area (as per Crop Survey)	% of Variation over Reconciled area
1	Bagalkote	15435	15571	-0.87	5481	3855	42.17	830	807	2.84	21746	20234	7.48
2	Bengaluru Rural	4	7	-41.31	0	0	0.00	0	0	0.00	4	7	-41.31
3	Bengaluru Urban	2	6	-67.75	0	0	0.00	0	0	0.00	2	6	-67.75
4	Belagavi	7189	6924	3.83	2728	2523	8.13	624	875	-28.67	10541	10322	2.12
5	Bellary	10693	10135	5.51	768	2162	-64.48	89	100	-10.94	11550	12397	-6.83
6	Bidar	125	133	-5.80	0	26	-100.00	0	0	0.00	125	159	-21.16
7	Vijayapura	7653	7539	1.51	0	123	-100.00	0	20	-100.00	7653	7682	-0.38
8	Chamarajanagar	15826	16312	-2.98	0	595	-100.00	0	30	-100.00	15826	16937	-6.56
9	Chikkaballapura	2	3	-9.69	0	48	-100.00	0	0	-100.00	2	50	-95.39
10	Chikkamagaluru	556	328	69.83	0	0	-100.00	0	0	0.00	556	328	69.69
11	Chitradurga	2435	2343	3.93	191	235	-18.67	0	0	0.00	2626	2578	1.87
12	D. Kannada	0	0	0.00	0	0	-100.00	0	0	0.00	0	0	-100.00
13	Davanagere	1007	1012	-0.48	0	133	-100.00	0	46	-100.00	1007	1192	-15.49
14	Dharwad	328	287	14.22	1032	697	47.99	0	0	0.00	1360	984	38.14
15	Gadag	18386	19082	-3.65	4818	5592	-13.84	278	255	8.99	23482	24929	-5.80
16	Kalaburagi	10843	10441	3.84	0	73	-100.00	0	0	0.00	10843	10514	3.12
17	Hassan	87	89	-1.61	0	0	0.00	0	0	0.00	87	89	-1.61
18	Haveri	165	114	45.23	5419	3260	66.25	486	473	2.84	6070	3846	57.83
19	Kodagu	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00
20	Kolar	3	4	-18.50	0	1	-100.00	0	0	0.00	3	5	-38.21
21	Koppal	12784	11657	9.68	7100	4982	42.50	1875	1816	3.25	21759	18455	17.91
22	Mandya	6	5	8.64	0	0	-100.00	0	37	-100.00	6	42	-86.95
23	Mysuru	562	545	2.96	0	0	0.00	0	0	0.00	562	545	2.96
24	Raichuru	2726	2571	6.07	0	57	-100.00	0	0	0.00	2726	2628	3.76
25	Ramanagara	2	2	19.87	0	0	0.00	0	0	0.00	2	2	19.87
26	Shivamogga	0	0	0.00	637	795	-19.87	60	58	3.82	697	853	-18.26
27	Tumakuru	24	24	0.04	0	0	0.00	0	0	0.00	24	24	0.04
28	Udupi	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00
29	U.Kannada	0	0	0.00	0	3	-100.00	0	0	0.00	0	3	-100.00
30	Yadagiri	802	808	-0.79	0	3	-100.00	0	0	0.00	802	811	-1.16
<b>STATE TOTAL</b>		<b>107647</b>	<b>105941</b>	<b>1.61</b>	<b>28174</b>	<b>25164</b>	<b>11.96</b>	<b>4242</b>	<b>4517</b>	<b>-6.09</b>	<b>140063</b>	<b>135621</b>	<b>3.28</b>

RCA - Reconciled Crop Area

**APPENDIX - 2.8**

**Cropwise and Seasonwise, ratio estimate and reconciled area for the year 2019-20**

Sl. No.	District	Safflower (Rabi)			Linseed (Rabi)			Sesamum (Kharif)		
		Ratio	Reconciled area (as per Crop Survey)	% of Variation over Reconciled area	Ratio	Reconciled area (as per Crop Survey)	% of Variation over Reconciled area	Ratio	Reconciled area (as per Crop Survey)	% of Variation over Reconciled area
1	Bagalkote	381	353	7.90	0	26	-100.00	501	549	-8.62
2	Bengaluru Rural	0	0	0.00	0	0	-100.00	3	3	0.00
3	Bengaluru Urban	0	0	0.00	0	1	-100.00	1	5	-76.48
4	Belagavi	766	727	5.32	0	104	-100.00	25	25	2.04
5	Bellary	1078	535	101.39	0	1	-100.00	121	126	-4.41
6	Bidar	0	8685	-100.00	0	5	-100.00	999	994	0.47
7	Vijayapura	1489	1283	16.01	14	15	-7.96	304	311	-2.24
8	Chamarajanagar	0	6	-100.00	0	0	0.00	2886	3776	-23.57
9	Chikkaballapura	0	0	0.00	10	14	-30.02	1	1	-1.89
10	Chikkamagaluru	0	2	-100.00	0	0	0.00	113	96	18.17
11	Chitradurga	1464	1300	12.65	0	3	-100.00	58	47	22.06
12	D. Kannada	0	0	0.00	0	0	0.00			0.00
13	Davanagere	0	13	-100.00	0	0	0.00	2	2	10.34
14	Dharwad	6574	4486	46.53	45	1	3208.82	15	19	-17.98
15	Gadag	3634	3479	4.47	11	10	14.70	164	163	0.38
16	Kalaburagi	681	691	-1.43	0	0	0.00	10207	13069	-21.90
17	Hassan	0	0	-100.00	0	0	-100.00	287	271	5.89
18	Haveri	608	449	35.48	6	5	29.59	10	12	-11.18
19	Kodagu	0	0	0.00	0	0	0.00	0	0	0.00
20	Kolar	0	0	-100.00	0	0	0.00	6	7	-13.98
21	Koppal	0	1004	-100.00	0	4	-100.00	6088	6535	-6.84
22	Mandya	0	0	-100.00	0	0	-100.00	2159	2341	-7.77
23	Mysuru	0	0	-100.00	0	4	-100.00	1259	1180	6.63
24	Raichuru	0	253	-100.00	0	0	0.00	903	822	9.96
25	Ramanagara	0	0	0.00	0	0	0.00	256	237	7.88
26	Shivamogga	0	0	0.00	0	1	-100.00	0	0	0.00
27	Tumakuru	0	16	-100.00	0	0	0.00	38	48	-20.77
28	Udupi	0	0	0.00	0	0	0.00	0	0	0.00
29	U.Kannada	0	0	-100.00	0	0	-100.00	0	0	0.00
30	Yadagiri	76	43	74.83	0	0	0.00	50	87	-42.89
	<b>STATE TOTAL</b>	<b>16751</b>	<b>23326</b>	<b>-28.19</b>	<b>86</b>	<b>193</b>	<b>-55.39</b>	<b>26455</b>	<b>30724</b>	<b>-13.89</b>

RCA - Reconciled Crop Area

**APPENDIX 2.9**

***Cropwise estimated area under ratio method and reconciled area during 2019-20***

Sl. No.	District	Area in hectares					
		Cotton (Rabi)			Sugarcane (Rabi)		
		Ratio	Reconciled area (as per Crop Survey)	% of Variation over Reconciled area	Ratio	Reconciled area (as per Crop Survey)	% of Variation over Reconciled area
1	Bagalkote	0	169	-100.00	27288	42896	-36.38
2	Bengaluru Rural	0	1	-100.00	0	3	-100.00
3	Bengaluru Urban	0	0	0.00	0	111	-100.00
4	Belagavi	970	1001	-3.09	61207	95707	-36.05
5	Bellary	490	967	-49.32	10474	5114	104.79
6	Bidar	0	11	-100.00	0	8768	-100.00
7	Vijayapura	743	570	30.39	25565	18300	39.70
8	Chamarajanagar	0	60	-100.00	1564	1291	21.16
9	Chikkaballapura	0	31	-100.00	0	41	-100.00
10	Chikkamagaluru	0	5	-100.00	0	20	-100.00
11	Chitradurga	346	426	-18.85	0	23	-100.00
12	D. Kannada	0	0	0.00	0	1	-100.00
13	Davanagere	0	100	-100.00	0	419	-100.00
14	Dharwad	1526	2110	-27.69	0	7683	-100.00
15	Gadag	5125	4627	10.76	786	1043	-24.67
16	Kalaburagi	400	420	-4.75	21566	3074	601.59
17	Hassan	0	6	-100.00	0	645	-100.00
18	Haveri	0	0	0.00	4232	3995	5.93
19	Kodagu	0	0	0.00	0	0	0.00
20	Kolar	0	2	-100.00	0	4	-100.00
21	Koppal	320	308	3.83	0	514	-100.00
22	Mandya	0	0	0.00	12983	9014	44.03
23	Mysuru	0	0	0.00	1720	2133	-19.37
24	Raichuru	1650	1675	-1.49	0	190	-100.00
25	Ramanagara	0	2	-100.00	0	88	-100.00
26	Shivamogga	0	2	-100.00	0	168	-100.00
27	Tumakuru	0	0	0.00	371	43	762.19
28	Udupi	0	0	0.00	0	16	-100.00
29	U.Kannada	0	4	-100.00	0	1348	-100.00
30	Yadagiri	960	941	2.03	605	185	226.67
<b>STATE TOTAL</b>		<b>12530</b>	<b>13438</b>	<b>-6.76</b>	<b>168361</b>	<b>202837</b>	<b>-17.00</b>

RCA - Reconciled Crop Area

**APPENDIX - 3**

***Cropwise Percentage variation of estimates of area (ratio method) over reconciled area for the years 2018-19 and 2019-20***

Sl. No.	Crop	2018-19	2019-20
		% variation over RCA	% variation over RCA
1	2	3	4
<b><u>Kharif</u></b>			
1	Paddy	0.1	0.72
2	Jowar	-8.2	1.95
3	Ragi	6.2	-1.89
4	Bajra	-8.7	-8.73
5	Maize	-6.9	0.75
6	Tur	-2.1	-0.19
7	Groundnut	4.1	1.44
8	Sesamum	21.5	-13.89
9	Sunflower	10.0	1.61
<b><u>Rabi</u></b>			
1	Paddy	-8.3	-2.70
2	Jowar	-6.6	-1.58
3	Ragi	-23.7	-3.88
4	wheat	-12.3	-12.37
5	Maize	.24.0	-9.11
6	Gram	-8.1	2.48
7	Cotton	-5.1	-6.76
8	Sugarcane	-8.3	-17.00
9	Sunflower	8.3	11.96
10	Safflower	3.2	-28.19
11	Linseed	101.5	-55.39
<b><u>Summer</u></b>			
1	Paddy	0.5	-0.25
2	Maize	-3.3	-2.47
3	Ragi	3.4	-2.26
4	Groundnut (Rabi & Summer)	3.6	-1.19
5	Sunflower	6.3	-6.09

RCA - Reconciled Crop Area