

# ANNUAL SUMMARY OF AGRICULTURAL DATA FOR THE SUGARCANE CROP, 1956-57

By J. L. DU TOIT and K. E. F. ALEXANDER

As usual, this report is primarily based on the *Special Census of Sugarcane Plantations* compiled by the Government Department of Census. Information obtained from Survey of Cane Production by the Sugar Industry Central Board is also included and the latter data are becoming increasingly more valuable. Data are also obtained from the usual Annual Summary of Laboratory Reports by Chs. G. M. Perk and the annual weather reports from the Experiment Station. Returns submitted annually by the Fertiliser Traders' Association on the amount of fertiliser used in the Industry are, however, not yet available and consequently the latest data are given in last year's report.

## Rainfall and Yield

The rainfall for the year ended 31st May 1956, which would largely affect the crop yield for the 1956-57 season, was 38.33 inches or virtually the same as our mean rainfall of 38.12 inches, but the rainfall for the previous year was abnormally high at 47.24 and this was undoubtedly of benefit to the crop now under discussion. The average crop yield for Europeans for the season 1956-57 was 31.6 tons cane per acre which was relatively good but not nearly equal to the average yield of 34.27 tons cane per acre during the more favourable 1955-56 season. This comparison once again shows the extreme dependency of our crop on weather conditions. In fact this fall in yield cannot be ascribed to any other known factor.

The following table gives the average yield for the past 17 years, as well as the average rainfall for the years ending 31st May.

TABLE I

Year	Yield in Tons Cane per Acre	Rainfall in Inches
1942 ... ..	25.49	34.09
1943 ... ..	30.87	48.94
1944 ... ..	29.08	38.60
1945 ... ..	25.70	41.10
1946 ... ..	21.99	27.06
1947 ... ..	24.47	34.15
1948 ... ..	26.80	39.25
1949 ... ..	24.70	31.45
1950 ... ..	26.41	38.92
1951 ... ..	23.28	25.42
1952 ... ..	26.29	36.40
1953 ... ..	28.75	33.88
1954 ... ..	32.53	39.08
1955 ... ..	34.27	47.24
1956 ... ..	31.6	38.33
1957 ... ..	35.3*	48.88
1958 ... ..	37.0†	50.43

\* From Central Board data

† Central Board estimate

Yields here given are taken from the Special Government Census from 1942 to 1956 while the last two years' yield data are from the Central Board Survey. All yields given apply to European growers only.

While this table shows very clearly how dependent our yield is on rainfall, it is also obvious that the basic yield, independent on rainfall, has increased. Thus the rainfalls during 1943 and 1944 were rather similar to that of 1955 and 1956 but the two crops produced as a result of these rainfalls show that in 1956 the yield was 31.6 tons cane per acre compared with 29.1 in 1944. The varietal position was, however, entirely different and much better in 1956 than in 1944. Similarly far more and much better balanced fertilizers were used to produce the 1956 crop than the 1944 crop. These two factors as well as generally improved agricultural methods contributed greatly to this improvement on basic yield.

The rainfall distribution for the year 1st June 1955 to 31st May 1956, was as follows—

TABLE II

	June	July	Aug.	Sept.	Oct.	Nov.
This period ...	0.74	0.12	0.58	2.96	4.13	5.36
Computed mean	1.51	1.10	1.40	2.54	3.53	4.24
	Dec.	Jan.	Feb.	Mar.	April	May
This period ...	3.59	0.59	9.79	7.26	2.11	1.10
Computed mean	4.74	4.21	4.79	5.40	2.64	2.02

The winter period was dry and lack of heat and sunshine from October to December rather than lack of moisture retarded the recovery of the crop. This was followed by the driest January known when total rainfall equalled only 0.59 inches, but evaporation from an open water surface totalled no less than 7.19 inches. This exceptional January drought caused the most severe set-back to the cane crop. Excellent conditions, however, prevailed for the important period from February to the end of May and with the exception of the January drought the year was not unfavourable for cane growth.

Conditions for the 1957 crop were, however, much better and the Central Board data reflect an increased yield. Rainfall conditions for the 1958 crop were the best experienced for a very long time indeed and the expected yield will be an all-time record.

## Total Yields and Acres

During the crushing season 1956-57 the Industry crushed 7,533,371 tons of cane to make 848,645 tons of sugar. *The Special Census of Sugarcane Plantations*, 1956-57 deals with returns totalling 6,345,311 tons

or 84.2 per cent of the total crop, and according to the Central Board, 91.1 per cent of the total European production.

Table III gives the yields and areas dealt with by the Government Census returns and the Central Board survey. The former refers to 91.1 per cent of the European production only, while the latter includes European and non-European data and is therefore a summary for the whole Industry.

TABLE III

	Special Census Returns	Central Board Survey
Total cane harvested ( <i>Tons</i> )	6,345,311	7,539,448*
Tons cane per acre ... ..	31.6	30.0
Area in acres harvested ...	200,885	251,483
Area under cultivation 30th April 1957 ... ..	447,013	572,746

\* Includes non-quota and unclaimed cane

The Central Board surveys enable us to calculate the average yields and percentage production for the various groups comprising the Industry and the results are given in Table IV for the 1956-57 crop.

TABLE IV

	Yield per acre	Per cent of crop	Per cent area Cut
European Planters ...	31.9	66.6	62.5
European miller - cum - planter ... ..	29.8	25.8	26.0
Indian Planters ... ..	19.6	6.1	9.4
Bantu Planters ... ..	21.1	1.5	2.1

#### Variety and Yield

The 1956-57 Census returns list N:Co.293 for the first time. Its yield as reflected here is not as good as that of N:Co.339 or N:Co.310. The N:Co.293 yields recorded are mostly from plant cane crops. The following table gives the total areas harvested and the yield per acre for the main varieties—

TABLE V

	Acres Cut	Yield per acre
Co.301 ... ..	30,916	25.4
Co.331 ... ..	53,698	27.6
N:Co.310 ... ..	102,298	35.1
N:Co.339 ... ..	7,193	37.1
N:Co.293 ... ..	4,505	32.9

The following table gives the percentage area cut and the percentage area under plant cane for the different varieties.

TABLE IV

	Per cent Area Cut	Per cent Area under Plant Cane, April, 1957
Co.301... ..	15.4	1.8
Co.331... ..	26.7	15.8
N:Co.310 ... ..	50.9	51.8
N:Co.339 ... ..	3.6	9.1
N:Co.293 ... ..	2.2	8.4

It is interesting to note that the percentage area under N:Co.310 plant cane on 30th April 1957 was less than it was the year before. It appears that the area under N:Co.310 has reached its maximum. Co.301 is now disappearing fast and less Co.331 is now planted than in the past. On 30th of April 1957 more than 8 per cent of all plant cane was N:Co.293 and the percentage area of plant cane under N:Co.339 has fallen from 10.1 per cent in 1956 to 9.1 per cent in 1957.

#### Yields from different areas

In every magisterial district the yield per acre for 1956-57 was poorer than that of the previous year. The best yields obtained were 47.0 tons cane per acre at Pongola in the Piet Retief district and 40.1 tons cane per acre in Lower Umfolozi district. The following table gives the yields recorded for the Industry and its main sub-divisions.

TABLE VII

	Average Yield 1938-42	Average Yield 1943-47	Average Yield 1948-52	Average Yield 1956
South Coast ...	22.6	21.4	19.7	21.8
North Coast ...	27.9	29.2	27.3	32.1
Zululand... ..	27.9	26.7	27.0	36.2
Total Industry	26.6	26.4	25.5	31.6

#### General Information

The *Special Census of Sugarcane Plantations, 1956-57*, deals with the returns of 822 individuals, whose total farm area was 776,635 acres of which 408,320 acres were under cane on 30th April 1957. In addition to the latter area under cane, there were 38,693 acres under long fallow. There were 31,255 acres that had a short fallow and it was estimated on 30th April 1957 that a total of 45,372 acres of virgin land was still available. During the year 6,129 acres of virgin land was planted to cane and the biggest expansion, amounting to about half the new planted up, was in the Lower Tugela and Lower Umfolozi districts. The average age of cane at ploughing out was given as 6.3 years.

Of the 408,320 acres under cane, the following areas and percentages were under plant cane and ratoons:

TABLE VIII

	Area in Acres	Per cent of Area under Cane
Plant cane ... ..	114,182	28.0
First Ratoons ... ..	109,684	26.9
Second Ratoons ... ..	105,464	25.8
Third Ratoons ... ..	58,619	14.4
Fourth Ratoons ... ..	14,477	3.5
Other Ratoons ... ..	5,894	1.4
Total under cane ... ..	408,320	100.0

There is again an increase in the percentage area under third and fourth ratoons, but the table shows, as does the average age of cane at ploughing out, that cane is very commonly ploughed out after the second ratoon.

#### Irrigation

According to Central Board Data there were on 30th of April 1958, 58,702 acres of cane under irrigation out of a total area of 581,854 acres under cane on that date. This means that during the year an additional area of 1,777 acres was put under irrigation.

At Pongola 13,691 acres of a total of 14,202 acres were under irrigation and an average yield of 46.5 tons cane per acre was estimated for the season. At Nkwaleni 7,663 acres out of a total of 8,106 were under irrigation. Natal Estates had 14,308, Tongaat 2,840, Illovo 1,656 and Gledhow 1,457 acres under irrigation.

The following table gives further details on irrigation on 30th April 1958.

TABLE IX

	Area under Cane	Area under Irrigation	Percentage under Irrigation
European Planters ... ..	357,525	36,154	10.1
European miller-cum-planter ... ..	144,968	21,300	14.7
Indian Growers ... ..	61,701	1,242	2.0
Bantu Growers ... ..	17,660	6	0.0
Total area ... ..	581,854	58,702	10.1

The group, miller-cum-planter, shows an increase in the percentage area under irrigation from 13.4 to 14.7 and this is mainly due to the Tongaat Sugar Company expanding their area under irrigation from 1,580 acres in 1957 to 2,840 acres in 1958.

**AREA OF CANE HARVESTED AND YIELDS FOR DIFFERENT VARIETIES AND RATOONS  
(EUROPEAN PLANTERS ONLY) 1956-1957**

Compiled from Union Department of Census Returns

VARIETY	PLANT CANE		FIRST RATOON		SECOND RATOON		THIRD RATOON		FOURTH RATOON		OTHER RATOONS		TOTAL	
	Acres	Tons/ Acre	Acres	Tons/ Acre	Acres	Tons/ Acre	Acres	Tons/ Acre	Acres	Tons/ Acre	Acres	Tons/ Acre	Acres	Tons/ Acre
Co.301 ... ..	2,555	32.9	7,708	29.4	11,340	24.4	6,967	21.3	1,529	20.1	817	19.0	30,916	25.4
Co.331 ... ..	11,883	32.0	21,641	28.3	14,285	25.3	5,214	22.0	440	26.4	235	14.9	53,698	27.6
N:Co.310 ... ..	27,627	36.4	30,578	34.7	28,333	32.5	11,724	36.8	2,781	43.1	1,255	43.1	102,298	35.1
N:Co.339 ... ..	6,251	37.3	767	37.4	122	30.5	11	48.6	42	21.4	—	—	7,193	37.1
N:Co.293 ... ..	3,654	33.5	463	29.8	229	31.5	133	33.7	26	17.3	—	—	4,505	32.9
Other varieties ... ..	709	32.8	523	26.1	384	26.2	317	24.0	223	34.0	119	31.6	2,275	29.0
<b>TOTAL ... ..</b>	<b>52,679</b>	<b>35.1</b>	<b>61,680</b>	<b>31.7</b>	<b>54,693</b>	<b>28.9</b>	<b>24,366</b>	<b>29.0</b>	<b>5,041</b>	<b>34.9</b>	<b>2,426</b>	<b>31.7</b>	<b>200,885</b>	<b>31.6</b>

## YIELDS OF CANE HARVESTED BY DISTRICTS (EUROPEAN PLANTERS ONLY)

Compiled from Union Department of Census Returns

DISTRICT	TONS CANE PER ACRE												
	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
PORT SHEPSTONE ... ..	22.95	19.18	19.26	22.68	21.45	19.42	19.24	19.44	16.33	17.94	21.60	22.44	21.4
UMZINTO... ..	24.18	19.51	17.59	19.70	22.13	19.76	18.63	17.60	20.48	21.69	24.96	22.22	21.3
DURBAN, UMLAZI, ETC. ... ..	24.16	20.11	19.05	20.47	20.69	18.66	21.16	18.03	20.47	20.21	22.33	25.10	23.5
<b>Total South of Umgeni River ...</b>	<b>24.07</b>	<b>19.59</b>	<b>18.01</b>	<b>20.12</b>	<b>21.79</b>	<b>19.48</b>	<b>19.23</b>	<b>17.90</b>	<b>20.03</b>	<b>20.99</b>	<b>23.94</b>	<b>22.84</b>	<b>21.8</b>
Ratio to 1926 (=100) ... ..	130.53	106.24	97.67	109.11	118.18	105.64	104.28	97.07	108.62	113.83	129.83	123.86	118.2
INANDA ... ..	37.51	32.32	27.20	30.42	31.58	29.10	28.36	26.38	29.92	33.55	34.21	37.92	36.2
LOWER TUGELA ... ..	29.49	26.58	22.77	24.90	27.78	28.85	27.66	23.33	28.20	30.25	31.97	34.2	30.4
<b>Total for North Coast between the Umgeni and Tugela Rivers...</b>	<b>32.14</b>	<b>28.57</b>	<b>24.23</b>	<b>26.72</b>	<b>29.03</b>	<b>26.92</b>	<b>27.85</b>	<b>24.23</b>	<b>28.67</b>	<b>31.13</b>	<b>32.54</b>	<b>35.20</b>	<b>32.1</b>
Ratio to 1926 (=100) ... ..	172.70	153.52	130.20	143.58	155.99	144.65	149.65	130.20	154.06	167.27	174.85	189.15	172.5
<b>Total for Natal South of the Tugela</b>	<b>29.08</b>	<b>25.35</b>	<b>21.90</b>	<b>24.43</b>	<b>26.41</b>	<b>24.23</b>	<b>24.84</b>	<b>21.97</b>	<b>25.68</b>	<b>27.59</b>	<b>29.60</b>	<b>30.86</b>	<b>28.6</b>
Ratio to 1926 (=100) ... ..	156.77	136.66	118.06	131.70	142.37	130.62	133.91	118.46	138.44	148.73	159.57	166.36	154.2
MTUNZINI . ... ..	27.19	23.73	18.02	22.01	25.47	24.11	26.62	21.74	24.73	30.85	35.96	35.28	32.3
ESHOWE ... ..	27.27	22.68	20.27	21.35	24.34	23.13	26.42	21.59	23.77	25.96	30.61	30.86	29.5
LOWER UMFOLOZI ... ..	31.47	30.07	25.83	27.39	30.11	27.45	31.57	26.72	27.93	29.23	39.05	44.97	40.1
HLABISA ... ..	29.00	25.52	23.68	25.64	27.52	25.75	31.51	35.88	36.70	40.00	40.02	40.74	36.9
PIET RETIEF ... ..	—	—	39.16	38.15	48.11	39.52	40.21	32.79	33.32	39.89	41.90	49.76	47.0
<b>Total North of the Tugela ... ..</b>	<b>29.08</b>	<b>26.30</b>	<b>22.15</b>	<b>24.54</b>	<b>27.46</b>	<b>25.49</b>	<b>29.05</b>	<b>25.47</b>	<b>27.27</b>	<b>30.60</b>	<b>37.08</b>	<b>39.43</b>	<b>36.2</b>
Ratio to 1926 (=100) ... ..	122.03	110.37	92.95	109.98	115.23	106.97	121.91	106.88	114.44	128.41	155.60	165.46	151.9
<b>GRAND TOTAL FOR UNION ... ..</b>	<b>29.08</b>	<b>25.70</b>	<b>21.99</b>	<b>24.47</b>	<b>26.80</b>	<b>24.70</b>	<b>26.41</b>	<b>23.28</b>	<b>26.29</b>	<b>28.75</b>	<b>32.53</b>	<b>34.27</b>	<b>31.6</b>
Ratio to 1926 (=100) ... ..	142.27	125.73	107.58	119.72	131.12	120.84	129.21	113.89	128.62	140.66	159.15	167.66	154.6
Rainfall of all Districts (inches) ... .. <i>(Average from 54 centres, year ending 31st May)</i>	38.60	41.10	27.06	34.15	39.25	31.45	38.92	25.42	36.40	33.88	39.08	47.24	38.33

## AREA OF CANE HARVESTED AND YIELDS BY DISTRICTS (EUROPEAN PLANTERS ONLY) 1956-1957

Compiled from Union Department of Census Returns

DISTRICTS	Co.301		Co.331		N:Co.310		N:Co.339		N:Co.293		Other varieties		Totals	
	Acres	Tons/ acre	Acres	Tons/ acre	Acres	Tons/ acre	Acres	Tons/ acre	Acres	Tons/ acre	Acre	Tons/ acres	Acres	Tons/ acre
PORT SHEPSTONE ... ..	355	16.8	811	20.1	2,448	21.9	135	27.9	108	29.4	39	14.7	3,896	21.4
UMZINTO ... ..	8,263	17.4	9,604	21.9	8,378	23.8	638	29.5	398	26.7	136	12.2	27,417	21.3
DURBAN AND PINETOWN... ..	965	25.4	4,992	18.4	3,754	29.2	121	39.3	4	33.3	44	23.4	9,880	23.5
<b>Total South of Umgeni River ... ..</b>	<b>9,583</b>	<b>18.2</b>	<b>15,407</b>	<b>20.7</b>	<b>14,580</b>	<b>24.9</b>	<b>894</b>	<b>30.6</b>	<b>510</b>	<b>27.4</b>	<b>219</b>	<b>14.9</b>	<b>14,193</b>	<b>21.8</b>
INANDA ... ..	6,601	31.7	5,640	36.4	9,257	38.5	1,311	41.6	33	36.4	204	33.7	23,046	36.2
LOWER TUGELA... ..	9,665	26.5	14,858	29.0	26,735	31.9	3,052	35.0	2,610	32.7	579	29.8	57,499	30.4
<b>Total North Coast between Umgeni and Tugela Rivers ... ..</b>	<b>16,184</b>	<b>28.7</b>	<b>21,047</b>	<b>30.2</b>	<b>35,992</b>	<b>33.6</b>	<b>4,363</b>	<b>37.0</b>	<b>2,643</b>	<b>32.7</b>	<b>783</b>	<b>30.8</b>	<b>80,545</b>	<b>32.1</b>
<b>Total for Natal South of the Tugela... ..</b>	<b>25,849</b>	<b>24.7</b>	<b>35,905</b>	<b>26.6</b>	<b>50,572</b>	<b>31.1</b>	<b>5,257</b>	<b>35.9</b>	<b>3,153</b>	<b>31.9</b>	<b>1,002</b>	<b>27.3</b>	<b>121,738</b>	<b>28.6</b>
MTUNZINI ... ..	1,039	27.4	7,997	28.0	13,429	35.0	580	31.1	483	33.2	323	39.6	23,851	32.3
ESHOWE ... ..	670	23.6	3,258	24.2	6,635	31.8	117	47.9	477	36.2	158	34.2	11,315	29.5
LOWER UMFOLOZI ... ..	2,809	31.2	5,041	36.8	21,843	42.0	921	45.3	376	36.5	334	33.7	31,324	40.1
HLABISA ... ..	492	26.7	1,219	24.4	6,587	41.0	318	40.1	9	30.8	413	18.0	9,038	36.9
PIET RETIEF ... ..	57	38.7	278	41.4	3,232	47.7	—	—	7	62.4	45	37.7	3,619	47.0
<b>Total North of Tugela ... ..</b>	<b>5,067</b>	<b>29.1</b>	<b>17,793</b>	<b>29.8</b>	<b>51,726</b>	<b>39.1</b>	<b>1,936</b>	<b>40.3</b>	<b>1,352</b>	<b>35.3</b>	<b>1,273</b>	<b>30.3</b>	<b>79,147</b>	<b>36.2</b>
<b>TOTAL FOR UNION ... ..</b>	<b>30,916</b>	<b>25.4</b>	<b>53,698</b>	<b>27.6</b>	<b>102,298</b>	<b>35.1</b>	<b>7,193</b>	<b>37.1</b>	<b>4,505</b>	<b>32.9</b>	<b>2,275</b>	<b>34.5</b>	<b>200,885</b>	<b>31.6</b>

## YIELDS OF CANE HARVESTED BY DISTRICTS (EUROPEAN PLANTERS ONLY)

Compiled from Union Department of Census Returns

DISTRICT	PER CENT. OF TOTAL TONNAGE												
	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
PORT SHEPSTONE ... ..	1.6	1.3	1.8	1.9	1.8	1.8	1.6	2.0	1.4	1.3	1.4	1.2	1.3
UMZINTO ... ..	14.9	12.6	13.9	12.8	13.5	12.2	10.6	11.4	11.1	10.8	10.2	9.6	9.2
DURBAN, UMLAZI, ETC. ... ..	3.4	3.2	3.9	3.7	3.3	4.0	3.7	3.8	3.7	3.6	3.7	3.2	3.7
<b>Total South of Umgeni River ...</b>	19.9	17.2	19.6	18.3	18.6	17.9	15.9	17.2	16.2	15.7	15.3	14.0	14.2
INANDA ... ..	16.8	17.6	16.4	17.1	15.7	15.6	12.1	13.5	12.5	12.4	10.7	11.8	13.1
LOWER TUGELA ... ..	26.7	27.2	27.9	28.7	28.2	28.3	30.8	28.4	31.4	30.7	29.4	28.8	27.6
<b>Total for North Coast between the Umgeni and Tugela Rivers...</b>	43.5	44.8	44.3	45.8	43.9	44.0	42.9	41.9	43.9	43.2	40.1	40.6	40.7
<b>Total for Natal South of the Tugela</b>	63.4	62.0	63.9	64.1	62.5	61.9	58.8	59.1	60.1	58.9	55.4	54.6	54.9
MTUNZINI ... ..	11.4	11.1	9.6	10.3	11.5	12.1	12.8	10.9	12.1	13.2	13.1	13.1	12.1
ESHOWE ... ..	6.0	5.6	5.7	5.4	5.8	6.0	6.3	5.5	5.4	5.2	5.5	5.2	5.3
LOWER UMFOLOZI ... ..	15.7	17.7	16.6	16.2	16.7	16.2	18.1	17.5	15.8	16.0	18.4	19.6	19.8
HLABISA ... ..	3.5	3.7	3.9	3.6	3.2	3.5	3.8	6.8	6.4	6.4	5.7	5.5	5.2
PIET RETIEF ... ..	—	—	0.3	0.5	0.4	0.3	0.2	0.2	0.1	0.3	1.9	2.0	2.7
<b>Total North of the Tugela ... ..</b>	36.6	38.0	36.1	35.9	37.5	38.1	41.2	40.9	39.9	41.1	44.6	45.4	45.1
<b>GRAND TOTAL FOR THE UNION ...</b>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

## YIELDS OF CANE HARVESTED BY DISTRICTS (EUROPEAN PLANTERS ONLY)

Compiled from Union Department of Census Returns

DISTRICT	YIELD OF CANE IN TONS										
	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
PORT SHEPSTONE ... ..	57,630	67,743	78,890	82,825	80,330	83,333	90,643	68,794	86,716	81,398	83,442
UMZINTO ... ..	515,571	532,675	624,009	555,307	537,457	551,033	559,063	590,796	639,718	648,621	584,393
DURBAN, UMLAZI, ETC. ... ..	146,087	153,073	152,668	179,668	189,824	168,492	184,476	195,019	230,829	215,771	231,968
<b>Total South of Umgeni River</b> ...	729,401	764,638	853,287	815,305	810,614	770,168	814,559	854,609	957,262	945,790	899,803
Ratio to 1926 (= 100) ... ..	163.6	171.5	192.7	178.9	181.8	172.76	182.71	191.69	214.72	212.15	201.83
INANDA ... ..	608,736	714,066	722,790	709,790	616,033	602,855	625,034	678,481	668,879	798,168	833,382
LOWER TUGELA... ..	1,035,855	1,195,584	1,299,218	1,287,492	1,563,652	1,274,693	1,575,747	1,677,077	1,840,007	1,943,182	1,748,607
<b>Total for North Coast between the     Umgeni and Tugela Rivers</b> ...	1,644,591	1,909,650	2,021,495	1,997,282	2,179,685	1,877,548	2,200,781	2,355,558	2,508,886	2,741,350	2,581,989
Ratio to 1926 (= 100) ... ..	198.6	230.6	244.1	241.2	263.2	226.72	265.75	284.44	302.96	331.29	311.78
<b>Total for Natal South of the Tugela</b>	2,373,992	2,674,288	2,880,782	2,812,587	2,990,299	2,647,716	3,015,340	3,210,167	3,466,149	3,687,140	3,481,792
Ratio to 1926 (= 100) ... ..	186.3	209.9	226.1	220.8	234.7	207.83	—	251.98	272.08	289.43	273.30
MTUNZINI ... ..	358,378	429,676	529,967	549,090	652,558	490,409	606,817	722,561	821,665	887,342	769,493
ESHOWE ... ..	211,170	225,903	266,752	273,448	318,883	244,590	273,070	285,158	341,815	351,903	334,252
LOWER UMFOLOZI ... ..	618,269	674,790	771,913	734,567	919,627	782,050	793,977	873,521	1,149,718	1,320,074	1,256,746
HLABISA ... ..	145,062	149,372	145,318	158,309	192,248	304,745	321,455	346,711	356,657	369,043	333,091
PIET RETIEF ... ..	9,321	18,886	17,511	14,937	10,858	11,442	5,598	17,750	117,962	132,555	169,937
<b>Total North of the Tugela</b> ...	1,342,200	1,498,627	1,731,461	1,730,351	2,094,174	1,833,236	2,000,977	2,245,701	2,787,817	3,060,917	2,863,519
Ratio to 1926 (= 100) ... ..	147.7	164.9	190.5	190.4	230.5	201.75	220.21	247.14	306.80	336.86	315.13
<b>GRAND TOTAL FOR THE UNION</b>	3,716,192	4,172,915	4,612,243	4,542,938	5,084,473	4,480,952	5,016,337	5,455,868	6,253,966	6,748,057	6,345,311
Ratio to 1926 (= 100) ... ..	170.3	191.2	211.3	208.1	233.0	205.30	229.83	249.97	286.53	309.17	290.72