

ANNUAL SUMMARY OF AGRICULTURAL DATA FOR THE SUGARCANE CROP, 1954-55

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This report is based almost entirely on the *Special Census of Sugarcane Plantations, 1954-55*, compiled by the Government Department of Census and Statistics, but valuable information from the *Survey of Cane Production* by the Sugar Industry Central Board is incorporated. Rainfall and other climatic conditions referred to are from the annual weather reports and total cane production figures from the Annual Summary of Laboratory Reports. Information obtained from the Fertiliser Traders' Association on the amount of fertiliser used in the industry is also used.

Rainfall and Crop

In future, the rainfall given in the Table "Tons. Cane per Acre" will be the rainfall from 54 centres for the year ending 31st May. Thus, for 1954 rainfall given, 39.08 inches, is the average rainfall from 54 recording stations in the sugar belt for the period 1st June, 1953, to 31st May, 1954. The crop average for 1954 is 32.53 tons cane per acre and it was cut from 20th April, 1954, to 13th March, 1955. Admittedly, rainfall prior to 1st June, 1953, or after 31st May, 1954, would also have affected the 1954 crop to some extent, but it is believed that the rainfall recorded here will be found to be more important in influencing the yield of cane per acre.

The rainfall for the year ending 31st May, 1954, was 39.08 inches, or well above the normal rainfall and yield of cane per acre 32.53 tons is an all-time record.

The crop benefited from two successive optimum growing periods with rainfalls above normal and the fact that the rainfall was reasonably well distributed. In addition, the replacement of the older varieties by N:Co.310 helped considerably in achieving this record yield.

The following Table gives the average yields over the past fourteen years, as well as the average rainfall as explained above.

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	34.24*	47.24
1956	—	38.33

* From Central Board data

The yield for 1955 was obtained from the Central Board and applies to European production only, in the same way as all the other results obtained from the Government Census apply to European production only and the Central Board result is, therefore, comparable with the rest.

It will be seen that if allowance is made for the gradual improvement in yield, as a result of the replacement of old varieties by new and more productive ones and improvement in agricultural practice, then the rainfall as recorded here reflects the yield of cane per acre quite well.

Rainfall distribution has also an important bearing on yield per acre. The following Table gives the rainfall distribution by months for the period June, 1953, to May, 1954, as well as the computed means for these months.

TABLE II

	June	July	Aug.	Sept.	Oct.	Nov
This period . . .	0.23	0.39	1.90	3.23	3.29	5.20
Computed mean .	1.62	1.19	1.43	2.29	3.17	4.26
	Dec.	Jan.	Feb.	Mar.	April	May
This period . . .	5.11	3.66	6.20	3.83	2.70	3.34
Computed mean .	4.66	4.25	4.60	5.31	2.53	2.10

It will be seen that the rainfall distribution from August, 1953, to May, 1954, was quite good. Total rainfall, 39.08 inches, was also well above the mean

of 37.42 inches. The rainfall distribution for the year ending 31st May, 1955, was also good and the total rainfall was 47.24 inches, which is exceptionally high for the cane belt.

Total Yields and Acres

During the 1954-55 crushing season a record total of 828,555 tons of sugar were made from 7,374,241 tons of cane, which is also a record. The *Special Census of Sugarcane Plantations* deals with European production only and does, in fact, not cover this production completely. The total cane yield given for 1954-55 in the census returns is 6,253,966 tons. This means that the data given represent 84.8 per cent of the total production and according to Central Board figures 92.3 per cent of European production.

The Central Board surveys reveal clearly the marked differences in yield per acre between European and non-European cane fields. Thus according to the *Survey of Cane Production, 1955-56* (CB 46/9) of 24th February, 1956, the average yield of cane per acre obtained by Europeans for the 1954-55 season was 33.22, compared with the non-European yield of 20.69 tons cane per acre and the average yield for all races of 31.74 tons cane per acre. The average yield for European growers, as revealed by the *Special Census of Sugarcane Plantations* for 1954-55, was 32.53 tons per acre. Now, allowing for the lower non-European production, the latter figure will be reduced to 31.08 tons cane per acre and this figure will be used to get certain total areas in the following Table.

TABLE III

	Special Census Returns	Total Industry
Tons cane harvested ...	6,253,966	7,374,241
Tons cane per acre ...	32.53	31.08
Area in acres harvested ...	192,274	237,266
Area under cane, 30th April, 1955 ...	393,646	485,759
Area under cane and fallow, 30th April, 1955 ...	438,204	540,744

Using Central Board data the following mean yields and percentages can be calculated for the 1954-55 crop:

TABLE IV

	Yield per Acre	Per cent of Crop	Per cent of Area Cut
European planters ...	33.8	64.8	60.9
European Miller-cum-planter ...	31.9	27.5	27.3
Indian planters ...	20.8	6.2	9.5
Bantu planters ...	20.2	1.5	2.3

Effect of Varieties on Average Yields

As stated, the record yield of 32.53 tons cane per acre obtained during 1954-55 is partly the result of favourable weather conditions with rainfall above normal and reasonably well distributed, but it is also partly the result of the replacement of lower yielding varieties by newer and higher yielding varieties.

The following Table gives the rainfall for a number of years and shows the average yield obtained from the varieties Co.281, Co.301, Co.331 and N:Co.310.

TABLE V

	1951	1952	1953	1954	
Rainfall ...	38.92	36.40	33.88	39.08	
Co.281... ..	21.8	15.0	16.3	19.0	-
Co.301... ..	26.8	24.4	25.1	27.5	25.8
Co.331... ..	32.3	28.2	28.8	31.6	31.1
N:Co.310 ...	39.4	35.6	36.3	37.3	37.4

N:Co.310 is still the best yielding variety and, of course, its superiority over the other varieties is enhanced by its higher sucrose content. Thus the average sucrose content of the above-mentioned varieties, according to the Central Board, for the season under review was as follows:

TABLE VI

Variety	Sucrose per cent Cane
Co.281	12.55
Co.301	12.99
Co.331	12.51
N:Co.310	13.83

The following Tables show the changes in the main varieties over the last few years.

TABLE VII

	Percentage Area Harvested		
	1950	1952	1954
Co.281	45.0	21.5	4.6
Co.301	34.9	34.0	25.2
Co.331	7.0	14.5	26.0
N:Co.310	10.6	28.9	43.5
Other varieties ...	2.5	1.1	0.7

Percentage Area under Cane, 30th April

	1947	1950	1955
Co.281	65.5	41.4	1.9
Co.301	28.7	35.3	18.8
Co.331	1.6	9.4	27.7
N:Co.310	—	12.1	47.7
Other varieties ...	4.2	1.8	3.8

	Percentage Area of Plant Cane 30th April		
	1951	1953	1955
Co.281	8.5	2.0	0.7
Co.301	26.5	17.5	6.6
Co.331	23.6	32.7	27.1
N:Co.310	40.9	47.1	54.7
Other varieties	0.5	0.7	10.9

These Tables reflect the remarkable revolution that has taken place in varieties in recent years: Apparently N:Co.310 was still increasing in popularity in 1954-55 and formed more than half the total area under plant cane on 30th April, 1955. It was in fact the only listed variety that showed an increase in percentage under plant cane for that year. There was also a spectacular increase in area under "other varieties" and the reason for this is, of course, the fact that considerable areas were planted up with N:Co.339 and N:Co.293, both of which were released in 1952, as well as N:Co.292 released in 1954 and N:Co.376 released in January, 1955.

Yields from Different Areas

As stated, the average yield, 32.53 tons cane per acre, is an all-time record. The best yield before then was 30.87 tons cane per acre in 1943 and 30.22 tons cane per acre in 1939. However, neither the South Coast nor North Coast average yields were records for the season under review. The South Coast averaged 23.94 tons cane per acre for 1954, but no less than 27.00 tons cane per acre in 1939. The North Coast averaged 32.54 tons cane per acre in 1954, but it had a record yield of 34.09 tons cane per acre in 1943. The average yield of Zululand (including the Piet Retief district) was, however, no less than 37.08 tons cane per acre, which is an all-time record, its best previous yield being 31.28 tons cane per acre in 1943. The increased production from Pongola contributed to this record, but this was not the only, or even the main, factor responsible. Zululand had an excellent year and the yields from the Mtunzini, Eshowe, Lower Umfolozi and Hlabisa districts were each in turn a record.

The following Table gives the yields recorded for the industry and its main sub-divisions:

	Average Yield 1938-42	Average Yield 1943-47	Average Yield 1948-52	Average Yield 1954
South Coast ...	22.60	21.37	19.69	23.94
North Coast ...	27.88	29.15	27.34	32.54
Zululand... ..	27.94	26.67	26.96	37.08
Total Industry	26.60	26.42	25.50	32.53

The yield given for Pongola by the Union Department of Census is 41.90 tons cane per acre, but according to the Central Board data, which appears to be more accurate here, it is no less than 53.8 tons cane per acre. The Hlabisa district had the next highest yield, 40.02 tons cane per acre, and Lower Umfolozi showed the biggest increase from the previous year. In 1953 it averaged 29.23 tons cane per acre and in 1954 its average was 39.05 tons cane per acre.

General Information

The *Special Census of Sugarcane Plantations, 1954-1955*, gives returns from 836 individuals with a total farm area of 785,322 acres, of which 393,646 acres were under cane on 30th April, 1955, and, after having planted 6,255 acres of virgin land during the year, there were still 50,977 acres of suitable virgin land on the existing farms. More than half the virgin land planted during the year was in the Lower Tugela and Lower Umfolozi districts. During the year 26,410 acres had a short fallow and 44,558 acres a long fallow treatment. The average age of cane at ploughing out was 6.2 years.

Of the 393,646 acres under cane given in this Census, the following areas were under plant and ratoons:

TABLE IX

	Area in Acres	Per cent of Area under Cane
Plant cane	121,612	30.9
First ratoon	126,347	32.1
Second ratoon	98,625	25.1
Third ratoon	35,669	9.1
Fourth ratoon	8,497	2.2
Other ratoons	2,896	0.7
Total under cane ...	393,646	100.0

It is apparent that most of the cane in the industry is ploughed out after the second ratoon and this agrees with the fact that the average age of cane at the time of ploughing out is 6.2 years.

Fertiliser Used

There has been a remarkable change in the fertiliser practice in the sugar belt in recent years. Nitrogen and potash consumption has greatly increased and the amount of phosphatic fertiliser bought has remained relatively constant.

The following Table gives the tons N, P₂O₅ and K₂O bought as straight and mixed fertilisers during recent years.

TABLE X

	1952	1953	1954	1955
Nitrogen N ...	2,135	3,327	4,516	5,856
Phosphate P ₂ O ₅ .	6,526	5,725	6,004	5,183
Potash K ₂ O ...	842	1,712	2,813	4,564

The increase of nitrogen and potash relative to phosphate is shown in the following Table.

TABLE XI

Year	Tons N per 1 ton P ₂ O ₅	Tons K ₂ O per 1 ton P ₂ O ₅
1951	0.33	0.13
1953	0.58	0.30
1954	0.75	0.47
1955	1.13	0.88

During 1955, or rather for the year ending February, 1956, the industry used 37,564 tons of mixture containing the following amounts of plant foods:

Tons N	Tons P ₂ O ₅	Tons K ₂ O
2,250	3,580	2,165

The average composition of all these mixtures therefore approximates a non-existing mixture of the following analysis: 6-10-6. The amount of mixtures used increased from 34,431 tons in 1954 to 37,564 tons in 1955.

In addition the industry used the following amounts of straight fertilizers in 1955:

16,495 tons nitrogenous fertilisers	=	3,606 tons N
8,470 tons phosphatic fertilisers	=	1,603 tons P ₂ O ₅
3,998 tons potassic fertilisers	=	2,399 tons K ₂ O

The amount of straight nitrogenous and potassic fertilisers has increased and phosphatic fertiliser decreased compared with that used the previous year.

Ignoring the amounts of plant foods in filter cake, manures and low-grade fertiliser materials, the following Table gives a comparison of the quantities of straight and mixed fertilisers used during the years 1951, 1953 and 1955.

	1951	1953	1955
Tons mixed fertilisers...	25,277	19,817	37,564
Tons nitrogenous fertilisers	5,280	11,882	16,495
Tons phosphatic fertilisers	15,297	17,883	8,470
Tons potassic fertilisers	125	2,060	3,998

We also know the total cane tonnages during these years and it is, therefore, possible to calculate the pounds of N, P₂O₅ and K₂O applied as commercial fertilisers per ton of cane harvested; this is given in the following Table.

TABLE XIII

	1951	1953	1954	1955
Lb. N per ton cane	0.89	1.07	1.22	1.46
Lb. P ₂ O ₅ per ton cane	2.72	1.84	1.63	1.29
Lb. K ₂ O per ton cane	0.35	0.55	0.76	1.14

The above Table once again stresses the gratifying recent trend of increased usage of nitrogen and potash. The use of phosphates has fallen to a level where it might with advantage now be maintained for there is still on the average a good response to phosphatic fertilisers. Nitrogen consumption can still rise and the potash used is still not adequate, being probably less than half of that removed by the cane crop.

**AREA OF CANE HARVESTED AND YIELDS FOR DIFFERENT VARIETIES AND RATOONS
(EUROPEAN PLANTERS ONLY) 1954-1955**

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
Uba	66	25.1	37	30.7	12	32.9	5	17.8	1	50.9	—	—	121	27.5
Co.281	675	32.3	1,220	21.8	3,048	14.6	1,951	18.9	815	22.7	1,064	17.1	8,773	19.0
Co.290	42	36.6	99	29.6	4	7.0	5	49.2	7	56.0	110	49.3	267	39.5
Co.301	8,661	34.9	14,713	29.2	14,518	23.8	7,556	23.6	2,146	26.1	20,724	22.5	48,517	27.5
Co.331	23,228	35.6	16,340	29.3	7,600	26.8	2,200	24.6	325	20.8	237	38.9	49,930	31.6
N:Co.310	30,787	41.3	30,437	34.2	17,611	34.2	3,881	42.5	768	47.3	265	40.5	83,749	37.3
P.O.J.2725 and 2878 ...	6	50.0	79	24.6	53	45.4	195	43.6	123	32.5	47	32.3	503	37.1
Other Varieties	346	44.8	56	47.2	11	30.5	1	17.0	—	—	—	—	414	44.7
TOTAL	63,811	38.3	62,981	31.5	42,857	27.9	15,794	28.1	4,185	29.1	2,646	24.9	192,274	32.5

AREA OF CANE HARVESTED AND YIELDS BY DISTRICTS (EUROPEAN PLANTERS ONLY) 1954-1955

Compiled from Union Department of Census Returns

DISTRICTS	UBA		Co.281		Co.290		Co.301		Co.331		N:Co.310		P.O.J.2725 and 2878	
	Acres	Tons/ Acre	Acres	Tons/ Acre	Acres	Tons/ Acre	Acres	Tons/ Acre	Acres	Tons/ Acre	Acres	Tons/ Acre	Acres	Tons/ Acre
PORT SHEPSTONE	—	—	1,032	7.9	—	—	425	26.8	727	26.2	1,826	26.3	—	—
UMZINTO	18	20.6	590	8.4	—	—	11,011	22.2	6,826	28.9	7,162	26.9	13	20.0
DURBAN AND PINETOWN	—	—	694	9.5	—	—	1,700	21.4	4,447	18.6	3,495	30.1	—	—
Total South of Umgeni R.	18	20.6	2,316	8.5	—	—	13,136	22.2	12,000	24.9	12,483	27.7	13	20.0
INANDA	67	27.8	196	12.0	61	26.0	8,096	33.1	4,229	33.7	6,852	36.5	11	46.6
LOWER TUGELA	32	31.3	588	11.4	40	23.3	18,183	28.3	15,071	32.9	23,445	34.7	6	50.0
Total North Coast between Umgeni and Tugela Rs.	99	28.9	784	11.6	101	24.9	26,279	29.8	19,300	33.1	30,297	35.1	17	47.8
Total for Natal South of the Tugela River ...	117	27.7	3,100	9.3	101	24.9	39,415	27.3	31,300	30.0	42,780	32.9	30	35.8
MTUNZINI	4	22.5	1,011	33.2	125	49.2	2,518	28.7	8,829	36.2	10,204	37.4	42	44.8
ESHOWE	—	—	970	23.6	9	30.4	1,612	26.6	3,692	26.9	4,844	36.0	—	—
LOWER UMPHOLOZI ...	—	—	2,534	24.3	4	73.0	4,597	29.5	4,556	39.3	17,544	43.7	198	31.3
HLABISA	—	—	1,096	15.4	28	47.4	364	18.7	8,829	36.2	5,977	49.1	233	40.8
PIET RETIEF	—	—	62	45.5	—	—	11	31.0	342	41.7	2,400	41.9	—	—
Total North of the Tugela	4	22.5	5,673	24.3	263	48.9	9,102	28.3	26,248	35.5	40,969	41.9	473	37.2
TOTAL FOR UNION ...	121	27.5	8,773	19.0	267	39.5	48,517	27.5	49,930	31.6	83,749	37.3	503	37.1

YIELDS OF CANE HARVESTED BY DISTRICTS (EUROPEAN PLANTERS ONLY)

Compiled from Union Department of Census Returns

DISTRICT	TONS CANE PER ACRE												
	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954
PORT SHEPSTONE	23.08	31.32	22.95	19.18	19.26	22.68	21.45	19.42	19.24	19.44	16.33	17.94	21.60
UMZINTO	20.20	24.68	24.18	19.51	17.59	19.70	22.13	19.76	18.63	17.60	20.48	21.69	24.96
DURBAN, UMLAZI, ETC.	25.63	24.01	24.16	20.11	19.05	20.47	20.69	18.66	21.16	18.03	20.47	20.21	22.33
Total South of Umgeni River ...	21.48	25.07	24.07	19.59	18.01	20.12	21.79	19.48	19.23	17.90	20.03	20.99	23.94
Ratio to 1926 (=100)	116.49	135.95	130.53	106.24	97.67	109.11	118.18	105.64	104.28	97.07	108.62	113.83	129.83
INANDA	32.94	40.45	37.51	32.32	27.20	30.42	31.58	29.10	28.36	26.38	29.92	33.55	34.21
LOWER TUGELA	24.42	31.10	29.49	26.58	22.77	24.90	27.78	28.85	27.66	23.33	28.20	30.25	31.97
Total for North Coast between the Umgeni and Tugela Rivers...	27.31	34.09	32.14	28.57	24.23	26.72	29.03	26.92	27.85	24.23	28.67	31.13	32.54
Ratio to 1926 (=100)	146.75	183.18	172.70	153.52	130.20	143.58	155.99	144.65	149.65	130.20	154.06	167.27	174.85
Total for Natal South of the Tugela	25.18	30.64	29.08	25.35	21.90	24.43	26.41	24.23	24.84	21.97	25.68	27.59	29.60
Ratio to 1926 (=100)	135.74	165.18	156.77	136.66	118.06	131.70	142.37	130.62	133.91	118.46	138.44	148.73	159.57
MTUNZINI	24.96	30.71	27.19	23.73	18.02	22.01	25.47	24.11	26.62	21.74	24.73	30.85	35.96
ESHOWE	25.11	27.46	27.27	22.68	20.27	21.35	24.34	23.13	26.42	21.59	23.77	25.96	30.61
LOWER UMFOLOZI	26.51	33.45	31.47	30.07	25.83	27.39	30.11	27.45	31.57	26.72	27.93	29.23	39.05
HLABISA	29.84	30.79	29.00	25.52	23.68	25.64	27.52	25.75	31.51	35.88	36.70	40.00	40.02
PIET RETIEF	—	—	—	—	39.16	38.15	48.11	39.52	40.21	32.79	33.32	39.89	41.90
Total North of the Tugela	26.09	31.28	29.08	26.30	22.15	24.54	27.46	25.49	29.05	25.47	27.27	30.60	37.08
Ratio to 1926 (=100)	109.48	131.26	122.03	110.37	92.95	109.98	115.23	106.97	121.91	106.88	114.44	128.41	155.60
GRAND TOTAL FOR UNION	25.49	30.87	29.08	25.70	21.99	24.47	26.80	24.70	26.41	23.28	26.29	28.75	32.53
Ratio to 1926 (=100)	124.71	151.03	142.27	125.73	107.58	119.72	131.12	120.84	129.21	113.89	128.62	140.66	159.15
Rainfall of all Districts (inches) <i>(Average from 54 centres, year ending 31st May)</i>	34.09	48.94	38.60	41.10	27.06	34.15	39.25	31.45	38.92	25.42	36.40	33.88	39.08

YIELDS OF CANE HARVESTED BY DISTRICTS (EUROPEAN PLANTERS ONLY)

Compiled from Union Department of Census Returns

DISTRICT	PER CENT. OF TOTAL TONNAGE												
	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954
PORT SHEPSTONE	2.0	2.0	1.6	1.3	1.8	1.9	1.8	1.8	1.6	2.0	1.4	1.3	1.4
UMZINTO... ..	13.7	14.1	14.9	12.6	13.9	12.8	13.5	12.2	10.6	11.4	11.1	10.8	10.2
DURBAN, UMLAZI, ETC.	4.5	4.0	3.4	3.2	3.9	3.7	3.3	4.0	3.7	3.8	3.7	3.6	3.7
Total South of Umgeni River ...	20.1	20.1	19.9	17.2	19.6	18.3	18.6	17.9	15.9	17.2	16.2	15.7	15.3
INANDA	18.2	16.8	16.8	17.6	16.4	17.1	15.7	15.6	12.1	13.5	12.5	12.4	10.7
LOWER TUGELA	26.3	27.5	26.7	27.2	27.9	28.7	28.2	28.3	30.8	28.4	31.4	30.7	29.4
Total for North Coast between the Umgeni and Tugela Rivers...	44.4	44.3	43.5	44.8	44.3	45.8	43.9	44.0	42.9	41.9	43.9	43.2	40.1
Total for Natal South of the Tugela	64.6	64.4	63.4	62.0	63.9	64.1	62.5	61.9	58.8	59.1	60.1	58.9	55.4
MTUNZINI	10.7	11.0	11.4	11.1	9.6	10.3	11.5	12.1	12.8	10.9	12.1	13.2	13.1
ESHOWE	5.7	5.5	6.0	5.6	5.7	5.4	5.8	6.0	6.3	5.5	5.4	5.2	5.5
LOWER UMFOLOZI	15.4	15.6	15.7	17.7	16.6	16.2	16.7	16.2	18.1	17.5	15.8	16.0	18.4
HLABISA	3.6	3.5	3.5	3.7	3.9	3.6	3.2	3.5	3.8	6.8	6.4	6.4	5.7
PIET RETIEF	—	—	—	—	0.3	0.5	0.4	0.3	0.2	0.2	0.1	0.3	1.9
Total North of the Tugela	35.4	35.6	36.6	38.0	36.1	35.9	37.5	38.1	41.2	40.9	39.9	41.1	44.6
GRAND TOTAL FOR THE UNION ...	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										
	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954
PORT SHEPSTONE	79,113	79,993	57,630	67,743	78,890	82,825	80,330	83,333	90,643	68,794	86,716
UMZINTO	728,879	528,593	515,571	532,675	624,009	555,307	537,457	551,033	559,063	590,796	639,718
DURBAN, UMLAZI, ETC.	165,164	136,253	146,087	153,073	152,668	179,668	189,824	168,492	184,476	195,019	230,829
Total South of Umgeni River ...	974,036	722,476	729,401	764,638	859,287	815,305	810,614	770,168	814,559	854,609	957,262
Ratio to 1926 (= 100)	218.5	162.1	163.6	171.5	192.7	178.9	181.8	172.76	182.71	191.69	214.72
INANDA	823,041	737,413	608,736	714,066	722,790	709,790	616,033	602,855	625,034	678,481	668,879
LOWER TUGELA... ..	1,310,186	1,144,887	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
Total for North Coast between the Umgeni and Tugela Rivers ...	2,133,227	1,882,300	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
Ratio to 1926 (= 100)	257.6	227.3	198.6	230.6	244.1	241.2	263.2	226.72	265.75	284.44	302.96
Total for Natal South of the Tugela	3,107,263	2,604,776	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
Ratio to 1926 (= 100)	243.9	204.5	186.3	209.9	226.1	220.8	234.7	207.83	—	251.98	272.08
MTUNZINI	556,524	465,147	358,378	429,676	529,967	549,090	652,558	490,409	606,817	722,561	821,665
ESHOWE	293,602	236,115	211,170	225,903	266,752	273,448	318,883	244,590	273,070	285,158	341,815
LOWER UMFOLOZI	769,436	741,972	618,269	674,790	771,913	734,567	919,627	782,050	793,977	873,521	1,149,718
HLABISA	171,555	153,689	145,062	149,372	145,318	158,309	192,248	304,745	321,455	346,711	356,657
PIET RETIEF	—	—	9,321	18,886	17,511	14,937	10,858	11,442	5,598	17,750	117,962
Total North of the Tugela	1,791,177	1,596,923	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
Ratio to 1926 (= 100)	197.1	175.7	147.7	164.9	190.5	190.4	230.5	201.75	220.21	247.14	306.80
GRAND TOTAL FOR THE UNION	4,898,380	4,201,699	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
Ratio to 1926 (= 100)	224.4	192.5	170.3	191.2	211.3	208.1	233.0	205.30	229.83	249.97	286.53