



## Statistical release P1101.1

# Survey of Large Scale Agriculture 2005 (Preliminary)

October 2006

Embargoed until: 10 October 2006 13:00

Statistics South Africa • Mbalo-mbalo ya Afrika Tshipembe • Tinhlayo-tiko ta Afrika-Dzonga • Dipalopalo tsa Aforika Borwa • Ezezibalo zaseNingizimu Afrika Dipalopalo tša Afrika Borwa • Dipalopalo tsa Afrika Borwa • Ubalo IwaseMzantsi Afrika • Telubalo eNingizimu Afrika • iNanimbalo leSewula Afrika • Statistiek Suid-Afrika

#### Please note:

The information covered in the statistical release for the survey of large scale agriculture 2005 was collected only from enterprises within the commercial large scale farming sector that had an annual gross farming income of <u>R2 million and above</u>.

In this publication, Statistics South Africa releases the first results of a survey of the large scale agriculture sector for the financial year ending 28 February 2005.

This survey covered enterprises within the large scale agriculture sector that are registered for Value Added Tax (VAT) and/or Income Tax (IT) and are primarily involved in farming activities e.g. growing of field crops, the raising of livestock and the production of milk, eggs and wool.

The results of the survey of large scale agriculture will be used to compile estimates for Department of Agriculture's National Accounts as well as inputs to the Gross Domestic Product (GDP) and its components.

Note: This release excludes all enterprises rendering agricultural services such as harvesting, baling, threshing etc., enterprises engaged in forestry, logging and related services as well as enterprises engaged in ocean and coastal fishing.

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## **Key findings**

#### Gross farming income

Gross farming income of large-scale farming units was R51,160 million. Figure 1 shows that Western Cape accounted for the largest share (R10 934 million or 21,4%), followed by Free State (7 433 million or 14,5%).

As indicated in Figure 2, 47,4% of the total gross farming income was generated from commercial farming in the animals and animal product division. Horticultural and field crop products were the second and third largest sources of income in the sector, with contributions of 30,5% and 21% respectively.

In North West (R3 294 million), Free State (R2 960 million), and KwaZulu-Natal (R2 904 million), most of the farming income was generated from animal sales. On the other hand, in Western Cape (R5 965 million), Limpopo (R2 425 million) and Mpumalanga (R1 928 million) most of the farming income was generated from horticultural product sales. Sales of field crop products generated most farming income in Free State (R2 905 million), Mpumalanga (R2 087 million) and KwaZulu-Natal (R1 832 million) (Figure 3 and Table 5).

#### Employment

The number of paid employees in large scale formal agriculture, at the end of the collection period, stood at 614 962 paid employees (Table 2.1). The largest number of paid employees in the large scale agricultural sector worked in the Western Cape (25,3% or 155 424 paid employees), followed by KwaZulu-Natal (13,4% or 82 605 paid employees) and Mpumalanga (13,4% or 82 186 paid employees). Large scale commercial farmers paid R7 044 million in salaries and wages. This amounts to 13,8% of the gross farming income generated in the large scale agricultural sector, and is also 18,9% of its total current expenditure for the same period (Table 1).

The number of owners/proprietors totalled 13 302 (Table 2.2). Total employment (permanent and seasonal employees together with proprietors) was 628 264 (Table 2.1).

There were 322 025 full-time workers and 292 937 casual workers at the end of the collection period. The large scale farming sector in the Western Cape (71 856 workers), KwaZulu-Natal (53 561 workers) and Mpumalanga (46 444 workers) accounted for the highest total number of full-time workers. The sector in Eastern Cape (15 178 workers) and Northern Cape (14 018 workers) accounted for the lowest number of full-time workers. The sector in Western Cape (83 569 workers), Northern Cape (35 984 workers) and Mpumalanga (35 742 workers) accounted for the highest total number of casual workers. The sector in Eastern Cape (13 265 workers) and Gauteng (12 140 workers) accounted for the lowest number of casual workers (Table 2.2).

#### Expenditure

Total current expenditure by the large scale formal agricultural sector amounted to R37 351 million for the collection period ending February 2005 (see Table 3). Capital expenditure was R2 778 million. The large scale farming sector in the Western Cape (R8 599 million), Free State (R5 139 million) and Mpumalanga (R5 106 million) accounted for the highest total current expenditure for the reporting period. The sector in the Eastern Cape (R1 692 million) and Northern Cape (R1 832 million) accounted for the lowest total current expenditure

#### Farming debt, market value of assets and gross farming income

The ratio of farming debt to the market value of farming assets in the large scale farming sector stood at 26% in 2005. The ratio was the highest in Free State (46%), followed by Gauteng (42%) (Table 4).

The ratio of farming debt to gross farming income in the large scale farming sector was 42%. While this ratio varied considerably by province, it was by far the highest in Free State (63%) (Figure 1). Possible factors contributing to the size of the ratio in Free State included:

- Less farming income was generated due to the decrease in field crop produce/plantings (maize, wheat etc.);
- Mechanisation within the agricultural sector causing large scale farmers to incur heavy debt to import/purchase new machinery and equipment.

Farming debt in the large-scale farming sector amounted to R21 288 million. The sector in the Western Cape accounted for 25,1% of the debt, followed by Free State (22,1%), while the Eastern Cape had the lowest proportion of debt (3,8%).

The large scale farming sector in the Western Cape accounted for the highest level of losses for the collection period ending February 2005 (R169 million), followed by large scale farmers in Mpumalanga (R140 million) and KwaZulu-Natal (R139 million) (see Figure 6 and Table 6).

#### Comparisons with results of 2002 Census of Commercial Agriculture

Caution is needed in comparing the results of this survey with results from previous surveys and censuses in the agricultural sector because of significant enhancements to the coverage of this survey. A valid basis for comparison is between enterprises included in both the 2002 Census of Commercial Agriculture and the 2005 Survey of Large Scale Agriculture. The results for gross farming income by major division within agricultural and by province are summarised in Figures 4 and 5.

The percentage increase/decrease in gross farming income for the major divisions within agriculture, comparing only enterprises in both the 2002 Census of Commercial Agriculture and 2005 Survey, were 'field crops' (1,3% decrease from 2002 to 2005), 'horticulture' (29,5% increase), 'animals and animal products' (32,1% increase), 'other products' (50,3% decrease) and total gross farming income (22,1% increase) (Figure 4).



Figure 1 – Gross farming income and farming debt per province within agriculture



## Figure 2 – Percentage distribution of gross farming income by major division within agriculture



#### Figure 3 – Breakdown of gross farming income per major division within agriculture, per province





Figure 5 – Percentage increase in total gross farming income by province

(Comparison confined to enterprises included in both the 2002 Census of Commercial Agriculture and 2005 Survey of Large Scale Agriculture)







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## Table 1 – Principal statistics: Summary of the survey results covered by the Survey of Large Scale Agriculture 2005

Item	Unit	2005
Farming units with a VAT and/or IT turnover greater or equal to R2 million	Number	7 687
Employment Owners and family members Paid employees Casual/Seasonal employees	Number	<b>628 264</b> 13 302 322 025 292 937
Employees' remuneration (at current 2005 prices) (cash wages, salaries and cash bonuses)	R1 000	7 044 058
Gross farming income (at current 2005 prices) Field crop products Horticultural products Animals and animal products Other products excluding forestry	R1 000	<b>51 159 664</b> 10 760 105 15 623 657 24 245 307 530 595
Expenditure (at current 2005 prices) Current expenditure Capital expenditure	R1 000	<b>40 129 047</b> 37 351 162 2 777 885
Market value of farming assets (at current 2005 prices)	R1 000	80 393 322
Farming debt (at current 2005 prices)	R1 000	21 288 248

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Province	Total employment (Owners and paid employees)	Total paid employees	Total paid employee remuneration
	Number	Number	R1 000
Eastern Cape	29 384	28 442	314 628
Free State	72 606	70 426	651 637
Gauteng	34 687	34 075	607 026
KwaZulu-Natal	84 384	82 605	1 072 362
Limpopo	65 397	64 402	652 061
Mpumalanga	83 814	82 186	890 740
North West	48 788	47 399	605 022
Northern Cape	50 586	50 002	329 729
Western Cape	158 618	155 424	1 920 851
South Africa	628 264	614 962	7 044 058

 Table 2.1 – Principal statistics by province: Total employment and employee remuneration

Province	Owners/proprietors	Full-time workers		Casual and seasonal workers	
	Number	Number	Remuneration R1 000	Number	Remuneration R1 000
Eastern Cape	941	15 178	249 984	13 265	64 644
Free State	2 180	35 280	553 224	35 146	98 413
Gauteng	611	21 935	542 182	12 140	64 844
KwaZulu-Natal	1 780	53 561	940 742	29 044	131 619
Limpopo	995	37 349	512 891	27 053	139 170
Mpumalanga	1 628	46 444	749 979	35 742	140 761
North West	1 388	26 405	521 858	20 995	83 165
Northern Cape	584	14 018	208 230	35 984	121 499
Western Cape	3 194	71 856	1 518 600	83 569	402 251
South Africa	13 302	322 025	5 797 691	292 937	1 246 367

 Table 2.2 – Principal statistics by province: Employment and employee remuneration by employee status and ownership

	Farming units	Gross farming income	Expenditure		Market value of	Forming dobt
Province	Farming units	Gross ranning income	Current	Capital	assets	Farming debt
	Number			R1 000		
Eastern Cape	536	2 531 191	1 692 137	194 998	4 459 498	799 913
Free State	1 331	7 433 449	5 139 568	278 380	10 301 667	4 698 321
Gauteng	430	4 466 717	2 814 887	235 571	3 958 239	1 733 183
KwaZulu-Natal	1 088	6 774 770	4 924 468	395 213	10 874 411	2 130 216
Limpopo	521	4 215 436	3 229 009	315 393	7 223 208	1 616 087
Mpumalanga	814	6 677 423	5 106 038	317 073	10 011 816	2 313 681
North West	716	5 566 068	4 014 308	236 004	6 125 799	1 648 911
Northern Cape	447	2 561 018	1 831 617	144 463	4 873 498	996 751
Western Cape	1 804	10 933 592	8 599 129	660 791	22 565 187	5 351 184
South Africa	7 687	51 159 664	37 351 162	2 777 885	80 393 322	21 288 248

Table 3 – Principal statistics by province: Gross farming income, expenditure, market value of assets and farming debt

## Table 4 – Ratios (%)

Province	Current expenditure/ Gross farming income	Salaries and wages/ Gross farming income	Farming debt/ Market value of assets	Farming debt/ Gross farming income
Eastern Cape	67	12	18	32
Free State	69	9	46	63
Gauteng	63	14	44	39
KwaZulu-Natal	73	16	20	31
Limpopo	77	15	22	38
Mpumalanga	76	13	23	35
North West	72	11	27	30
Northern Cape	72	13	20	39
Western Cape	79	18	24	49
South Africa	73	14	26	42

## Table 5 – Breakdown of gross farming income per major division within agriculture

Province	Field crops	Horticulture	Animals	Animal products	Other products
FIOVINCE			R1 000		
Eastern Cape	157 791	807 391	732 924	818 232	14 854
Free State	2 905 425	927 576	2 960 291	624 638	15 519
Gauteng	373 867	1 222 082	2 074 486	774 655	21 627
KwaZulu-Natal	1 831 954	783 252	2 903 526	1 085 889	170 148
Limpopo	468 771	2 424 851	1 058 133	222 650	41 031
Mpumalanga	2 087 253	1 927 910	2 120 676	476 691	64 893
North West	1 300 842	496 235	3 294 170	465 938	8 883
Northern Cape	783 257	1 069 721	615 257	88 459	4 324
Western Cape	850 945	5 964 639	2 374 241	1 554 451	189 316
South Africa	10 760 105	15 623 657	18 133 705	6 111 602	530 595

## Table 6 – Total value of losses encountered during the financial year ended February 2005

Province	Total value of losses
	R1 000
Eastern Cape	30 458
Free State	84 262
Gauteng	35 198
KwaZulu-Natal	139 619
Limpopo	59 730
Mpumalanga	140 985
North West	89 575
Northern Cape	41 098
Western Cape	168 804
South Africa	789 730

## **Explanatory notes and definitions**

#### 1. General

In 2005 Statistics South Africa (Stats SA) undertook a survey of units active in the large scale agricultural sector within the Republic of South Africa. This survey covered the activities of large-scale commercial farms/entities in South Africa with an annual registered turnover of R2 million and above, and which were registered for Value Added Tax (VAT) and/or Income Tax (IT) for the collection period ending February 2005.

This statistical release is a summary of selected findings.

#### 2. Scope of the survey of large scale agriculture 2005

The Survey of Large Scale Agriculture 2005 covers the following tax registered enterprises that are mainly engaged in farming activities such as:

- Growing of crops;
- Farming of animals; and/or
- Growing of crops combined with farming (mixed farming).

For purposes of the survey, farming means the following activities for commercial purposes:

- the growing of field crops, fruit, grapes, nuts, seeds, trees in a nursery, bulbs, vegetables and flowers in the open air or under cover
- operations at nurseries excluding those predominantly engaged in reselling
- the operation of tea, coffee and sugar plantations
- the raising of livestock, game, poultry, rabbits, freshwater fish, furbearing and other animals and
- the production of milk, wool, pelts/fur, eggs and honey.

Forestry e.g. timber, wattle, wood and other plantations, ocean fishing and agricultural services were not included in the survey.

Data in respect of agricultural smallholdings such as nurseries, vegetable gardens, flower farms and dairy farms are included in this release only in those cases where the products were intended for sale.

#### 3. Survey year

Details relating to the area and market value of the farming unit, the number of owners, family members and employees involved in farming activities, and farming debt, were collected as at 28 February 2005. Data on land utilisation, employees' remuneration, gross farming income and expenditure, equipment purchased, and amount spent on buildings erected and development work undertaken refer to the financial year ending on any date between 1 March 2004 and 28 February 2005, while the market value of movable farming assets was as at the end of the financial year.

#### 4. Comparability with the previous surveys

Caution is needed in comparing the results of this survey with results from previous surveys and censuses in the agricultural sector.

- The survey covers only large scale enterprises registered for VAT and/or IT with an annual registered turnover of R2 million and above;
- The updating of Stats SA's business register with data obtained from the South African Revenue Service (SARS) has resulted in a significantly improved frame as compared to the frames available for previous agricultural collections.

There were 7 687 large scale farming units that participated in the Survey of Large Scale Agriculture 2005, compared to 5 390 large scale farming units recorded in the Census of Commercial Agriculture 2002. The greater number of large scale farming units participating in the 2005 survey largely reflects improvements in the coverage of the sampling frame, and not growth in the large scale farming sector as such.

A valid basis for comparison is between enterprises included in both the 2002 Census of Commercial Agriculture and the 2005 Survey. The results for gross farming income by major division within agricultural are summarised in the key findings and shown in Figures 4 and 5.

#### 5. Farming unit

The data are collected in respect of farming units. A farming unit consists of one or more farms, smallholdings or pieces of land, whether adjacent or not, operated as a single unit and situated within the same province.

A farming unit means any unit on which one or more of the following farming operations are carried out for commercial purposes:

- the cultivation in the open air or under cover of field crops, fruit, grapes, nuts, seed bulbs, vegetable plants or flowers
- the operation of a tea, coffee and sugar plantations
- the breeding of livestock, poultry, game or other animals, including freshwater fish, furred animals and trade in livestock
- the production of milk, wool, fur, eggs or honey.

Forestry e.g. timber, wattle, wood and other plantations, ocean fishing and agricultural services were not included in the Survey of Large Scale Agriculture 2005.

#### 6. Farmer

The farmer is the person, partnership, company, close corporation or other enterprise that operates the farming unit for their own account; or the manager, foreman or other person to whom the control of the farming unit was entrusted.

#### 7. Type of employment

'Owners and family members' refer to ownership by individuals or family and other forms of partnerships.

'Permanent employees' are employees who are employed on a permanent basis with benefits, such as leave.

'Casual and seasonal employees' include occasional and day labourers, e.g. shearers, reapers and fruit-pickers, but exclude contractors and their employees.

#### 8. Gross farming income

Gross farming income as reported by the farmer includes income earned from agricultural products sold, divided in this release into field crops, horticultural products, animals and animal products, and all other products.

'Animal and animal products' include livestock, poultry, game and all other animals.

'All other products' include wild flowers, compost, firewood etc.

#### 9. Current expenditure

Current expenditure is expenditure incurred by farming operations during the financial year in respect of the farming unit as reported by the farmer. These expenses include seed stock, poultry feeds, fertilisers, fuel, packing material, electricity purchased, interest paid and all other operating expenses. Railage and rented transport are also included with the relevant purchases.

#### 10. Farming debt

Farming debt includes all obligations incurred in respect of normal farming activities, such as mortgages, loans and credits received from organisations such as banks, cooperative societies and private persons. Debt in respect of other business enterprises is not included.

Particulars regarding farming debt are based on the data submitted by respondents.

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#### 11. Abbreviations and symbols used

RSA	=	Republic of South Africa
Stats SA	=	Statistics South Africa
DTI	=	Department of Trade and Industry
SARS	=	South African Revenue Service
R	=	Rand
0	=	more than nil but less than 500
VAT	=	Value Added TAX
IT	=	Income Tax

#### 12. Rounding-off of figures

The figures in the tables have been rounded off to the nearest final digit shown. There may, therefore, be slight discrepancies between the sums of the constituent items and the totals shown.

#### 13. Survey methodology and design

The survey was conducted by mail, email, fax, telephone and personal visits to individual farmers and/or accountants to assist respondents to complete the questionnaires.

#### 14. Non-sampling errors

Inaccuracies may occur due to imperfections in reporting by enterprises and errors made in the collection and processing of the data. Inaccuracies of this kind are referred to as non-sampling errors. Every effort is made to minimise non-sampling errors by careful design of questionnaires, editing reported data and implementing efficient operating procedures.



Statistics South Africa

### 1. AGRICULTURAL CONCEPTS AND DEFINITIONS

The following table contains the concepts and definitions Statistics South Africa (Stats SA) uses within the agricultural sector.

TERM	DEFINITION
Agricultural inputs	Consumable expendable inputs in agricultural production for both crops and livestock, for example
-	fertilisers, seeds, veterinary drugs, etc.
Annual crops	Crops that are planted and harvested during the same production season.
Area harvested for grain	Area harvested for dry grain (whole grain, seed, beans or unshelled nuts) for commercial purposes, or
	to be retained for seed, animal feed or human consumption. It therefore excludes areas planted but not
	harvested owing to hail damage, fire, grazing, etc. and areas harvested but not used for grain, but for
	silage etc.
Area planted for grain	That part of the total area planted that is planted with the intention of harvesting it for grain rather than
-	for silage, grazing or fodder.
Cash crop.	Crop grown for sale rather than for consumption on the farm. Synonym is food crop.
Cereals	Wheat, coarse grains and rice.
Commercial farm	A farm producing agricultural products intended for the market, usually registered for value-added tax
	(VAT) and income tax.
Commercial farmer	A person who produces agricultural products intended for the market. See subsistence farmer.
Farming unit	One or more farms, smallholdings or pieces of land, whether adjacent or not, operated as a single unit
	and situated within the same magisterial district or province, on which cultivation is carried out for both
	commercial and non-commercial purposes, in the open air or under cover.
	It includes land rented from others, the farmstead and other buildings, cropland, pasture, veld,
	wasteland and dams, but excludes land leased to others.
	A farming unit could be owned by a single person, partnership, company, or close corporation etc.
Food crop	See cash crop
Grain	Harvested produce of cereals, pulses, oil crops and legumes.
Grain production	Grain actually removed from the field.
Hectare	Metric unit of land measurement equivalent to 10000 square metres.
Inter-planted crop	A crop planted between rows of another crop.
Irrigation	Artificial application of water to land to assist in the growing of crops and pastures.
Livestock	All animals or birds kept or reared mainly for agricultural purposes including cattle, sheep, goats, pigs,
	horses, poultry, rabbits, etc.
Oilseeds	Dry seeds harvested from annual oil-bearing crops used for food, feed, seed or industrial purposes.
Yield	Amount of product harvested per unit area.
Yield per harvested area	Yield from the area actually harvested.
Yield per planted area	Yield from the area planted.



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