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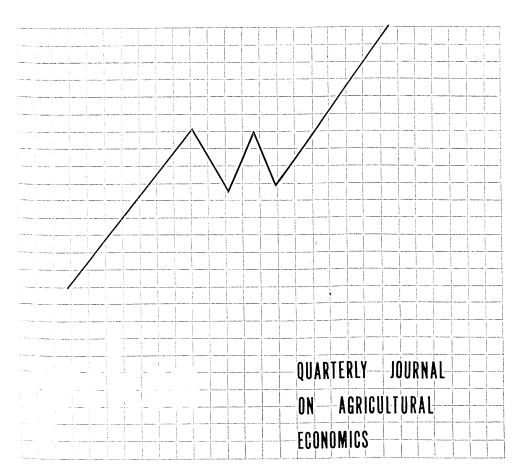
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Vol.1, No.2 April 1962



PRICE 20c



Issued by die Department of Agricultural Economics and Marketing, Pretoria



REQUIREMENTS FOR CONTRIBUTIONS

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Deserving articles in the field of agricultural economics, for publication in this journal, will be welcomed.

These articles should have a maximum length of 10 folio pages (including tables, graphs, etc.), typed in double spacing. All contributions should be submitted in triplicate to the editors, c.o Department of Agricultural Economics and Marketing, Pretoria, and should be received by the editors at least one month prior to publication date.

The journal is being distributed by and is obtainable from the Director, Division of Soil Conservation and Extension, Private Bag 144, Pretoria. (The price is 20 cents per copy or 80 cents per annum, post free.)

Dates of issue, on a quarterly basis, are the following: January, April, July and October.

"Agrekon" is also published in Afrikaans.

Contribution of the Agricultural Sector to the Domestic Income of the Republic

(by L.W.A. Nel, Division of Economics and Markets)

Introduction

Since the inception of the National Accounts Section of the Bureau of Census and Statistics in 1946 (with the specific purpose of continuing the work of Prof. Frankel on the calculation of the Republic's national income), the Division of Economics and Markets has been responsible for the calculation of the contribution of the agricultural sector to the domestic income of the country. A similar function has, however, been fulfilled by the Division since 1936.

As a result of the nature of the economic activities in the agricultural sector, the market-price method is being used, as against the income-type method which is being used for the calculation of the other sectors' contributions. The latter involves the aggregation of the main kinds of factor income, namely wages and salaries, rent, interest and profit. The market-price method entails the following: Calculation of the farm value (also termed gross value) of agricultural production of the basis of the volume of production and the net producers' price; that is, the average price realised by the producer after deduction of marketing costs. The net change in livestock inventory is taken into account in the farm value of agricultural production. From the farm value is deducted the value of seed and feed, originating from the agricultural sector, and the value of production goods and services purchased by the agricultural sector. The residual is the contribution of the agricultural sector to the gross domestic product.

Subsequently, depreciation charges are deducted from the gross domestic product in order to arrive at the net contribution of the agricultural sector to the $\underline{\text{net}}$ domestic income. Depreciation of capital assets is calculated per annum at 10 per cent on machinery, equipment and vehicles, and 2 per cent on fixed improvements.

The contribution of the agricultural sector is subdivided according to factor income by the National Accounts Section of the Bureau of Census and Statistics, namely "wages and salaries" and "other income". The latter includes rent, interest and profits.

As a result of the necessity to be informed also of the short-term economic situation in agriculture, the Division has been calculating since 1960 the "receivable income" of the agricultural sector on a quarterly basis. Lack of complete statistical data has made it impossible to use the ideal method, namely "income received". The

latter represents the value of products which have already been sold and the actual costs of products in stock on farms. The difference between "receivable income" and "income received" is therefore only in respect of the difference in valuation of products in stock on farms. These calculations, which are also made available to the S.A. Reserve Bank, will be published in due course in this journal.

Farm value (gross value) of agricultural production

Table 1 shows the farm value of agricultural products during the past five seasons. The largest increases during this period occurred in respect of maize, sugar-cane, groundnuts, slaughter stock, freshmilk and dairy products; while the largest decrease occurred in respect of wool. This decrease could be ascribed mainly to the decrease in the price of wool.

<u>Table 1</u>. Farm value (gross value) of agricultural production (R1,000)

Wheat 47,472 39,534 30,230 43,368 45,897 Oats 3,524 3,336 4,541 4,119 4,235 Barley 728 734 947 989 1,019 Rye 172 270 188 220 215 Kaffircorn 8,146 6,868 8,964 8,242 11,155 Hay 11,200 10,422 13,878 14,266 14,266 Dried beans 4,335 4,571 6,364 6,253 8,017 Dried peas 694 480 521 537 Sugar-cane 28,780 32,232 39,148 36,188 35,465 Chicory 648 292 1,103 700 800 Tobacco 12,833 18,371 15,833 16,802 15,022 Cotton 3,760 3,112 3,010 1,850 2,946 Groundnuts 13,838 10,324 13,844 15,536 19,200 <tr< th=""><th></th><th>(R1</th><th>,000)</th><th></th><th></th><th></th></tr<>		(R1	,000)			
Wheat 47,472 39,534 36,230 43,368 45,897 Oats 3,524 3,336 4,541 4,119 4,235 Barley 728 734 947 989 1,019 Rye 172 270 188 220 215 Kaffircorn 8,146 6,868 8,964 8,242 11,155 Hay 11,200 10,422 13,878 14,266 14,266 Dried beans 694 480 521 537 57 Dried peas 694 480 521 537 50 Sugar-cane 28,780 32,232 39,148 36,188 35,465 Chicory 648 292 1,103 700 800 Tobacco		1956/57	1957/58	1958/59*	1959/60*	1960/61*
Wheat 47,472 39,534 36,230 43,368 45,897 Oats 3,524 3,336 4,541 4,119 4,235 Barley 728 734 947 989 1,019 Rye 172 270 188 220 215 Kaffircorn 8,146 6,868 8,964 8,242 11,155 Hay 11,200 10,422 13,878 14,266 14,266 Dried beans 4,335 4,571 6,364 6,253 8,017 Dried peas 694 480 521 537 537 Sugar-cane 28,780 32,232 39,148 36,188 35,465 Chicory 648 292 1,103 700 800 Tobacco 12,833 18,371 15,833 16,802 15,022 Cotton 3,760 3,112 3,010 1,850 2,946 Sunflowersed 3,616 3,182 4,590 4,283 5,124	Maize	122,990	103,421	120,015	128,136	153.319
Oats Barley 3,524 3,336 4,541 4,119 4,235 Barley 728 734 947 989 1,019 Rye 172 270 188 220 215 Kaffrecrn 8,146 6,868 8,964 8,242 11,155 Hay 11,200 10,422 13,878 14,266 14,266 Dried beans 4,335 4,571 6,364 6,253 8,017 Dried peas 694 480 521 537 Sugar-cane 28,780 32,232 39,148 36,188 35,465 Chicory 648 292 1,103 700 800 Tobacco 12,833 18,371 15,833 16,802 15,022 Cotton 3,760 3,112 3,010 1,850 2,946 Groundnuts 13,838 10,324 13,844 15,536 19,200 Sunflowerseed 3,616 3,182 4,590 4,283 5,124 <td>Wheat</td> <td>47,472</td> <td>1</td> <td>•</td> <td>43,368</td> <td></td>	Wheat	47,472	1	•	43,368	
Barley 728 734 947 989 1,019 Rye 172 270 188 220 215 Kaffircorn 8,146 6,868 8,964 8,242 11,155 Hay 11,200 10,422 13,878 14,266 14,266 Dried beans 4,335 4,571 6,364 6,253 8,017 Dried peas 694 480 521 537 Sugar -cane 28,780 32,232 39,148 36,188 35,465 Chicory 648 292 1,103 700 800 Tobacco 12,833 18,371 15,833 16,802 15,022 Cotton 3,760 3,112 3,010 1,850 2,946 Groundnuts 13,838 10,324 13,844 15,536 19,200 Sunflowerseed 3,616 3,182 4,590 4,283 5,124 Wattle bark 8,522 7,332 7,888 7,888 7,800 </td <td>Oats</td> <td>3,524</td> <td>1</td> <td>1 '</td> <td>4,119</td> <td></td>	Oats	3,524	1	1 '	4,119	
Rye 172 270 188 220 215 Kaffircorn 8,146 6,868 8,964 8,242 11,155 Hay 11,200 10,422 13,878 14,266 14,266 Dried beans 4,335 4,571 6,364 6,253 8,017 Dried peas 694 480 521 537 Sugar-cane 28,780 32,232 39,148 36,188 35,465 Chicory 648 292 1,103 700 800 Tobacco 12,833 18,371 15,833 16,802 15,022 Cotton 3,760 3,112 3,010 1,850 2,946 Groundnuts 13,838 10,324 13,844 15,536 19,200 Sunflowerseed 3,616 3,182 4,590 4,283 5,124 Wattle bark 8,522 7,332 7,888 7,880 7,880 Potatoes 528 660 720 616 590 <td>Barley</td> <td>1</td> <td>•</td> <td>1</td> <td>989</td> <td></td>	Barley	1	•	1	989	
Kaffircorn 8,146 6,868 8,964 8,242 11,155 14,266 15,20 21,20 21,20 <td>Rye</td> <td>172</td> <td>270</td> <td>188</td> <td>220</td> <td></td>	Rye	172	270	188	220	
Hay Dried beans	Kaffircorn	8,146	6,868	8,964	8,242	ľ
Dried beans 4,335 4,571 6,364 6,253 8,017 Dried peas 694 480 521 537 Sugar - cane 28,780 32,232 39,148 36,188 35,465 Chicory 648 292 1,103 700 800 Tobacco 12,833 18,371 15,833 16,802 15,022 Cotton 3,760 3,112 3,010 1,850 2,946 Groundnuts 13,838 10,324 13,844 15,536 19,200 Sunflowerseed 3,616 3,182 4,590 4,283 5,124 Wattle bark 8,522 7,332 7,888 7,888 7,800 Potatoes 9,562 12,840 15,301 8,798 9,870 Sweet potatoes 528 660 720 616 590 Citrus 27,381 22,494 20,177 17,893 23,300 Deciduous fruit 7,716 6,426 7,660 7,592 <td>Hay</td> <td>11,200</td> <td></td> <td></td> <td>14,266</td> <td></td>	Hay	11,200			14,266	
Dried peas 694 480 521 537 Sugar - cane 28,780 32,232 39,148 36,188 35,465 Chicory 648 292 1,103 700 800 Tobacco 12,833 18,371 15,833 16,802 15,022 Cotton 3,760 3,112 3,010 1,850 2,946 Groundnuts 13,838 10,324 13,844 15,536 19,200 Sunflowerseed 3,616 3,182 4,590 4,283 5,124 Wattle bark 8,522 7,332 7,888 7,888 7,800 Potatoes 9,562 12,840 15,301 8,798 9,870 Sweet potatoes 528 660 720 616 590 Citrus 27,381 22,494 20,177 17,893 23,300 Deciduous fruit 28,251 32,005 29,646 30,325 31,813 Tropical fruit 7,630 2,452 2,344 2	Dried beans	4,335			6,253	
Chicory 648 292 1,103 700 800 Tobacco 12,833 18,371 15,833 16,802 15,022 Cotton 3,760 3,112 3,010 1,850 2,946 Groundnuts 13,838 10,324 13,844 15,536 19,200 Sunflowerseed 3,616 3,182 4,590 4,283 5,124 Wattle bark 8,522 7,332 7,888 7,888 7,800 Potatoes 9,562 12,840 15,301 8,798 9,870 Sweet potatoes 528 660 720 616 590 Citrus 27,381 22,494 20,177 17,893 23,300 Deciduous fruit 28,251 32,005 29,646 30,325 31,813 Tropical fruit 7,716 6,426 7,660 7,592 8,372 Viticultural products 11,128 11,810 14,578 15,304 14,979 Dried fruit 1,630 2,452<	Dried peas	694		1	537	-,,
Chicory 648 292 1,103 700 800 Tobacco 12,833 18,371 15,833 16,802 15,022 Cotton 3,760 3,112 3,010 1,850 2,946 Groundnuts 13,838 10,324 13,844 15,536 19,200 Sunflowerseed 3,616 3,182 4,590 4,283 5,124 Wattle bark 8,522 7,332 7,888 7,888 7,800 Potatoes 9,562 12,840 15,301 8,798 9,870 Sweet potatoes 528 660 720 616 590 Citrus 27,381 22,494 20,177 17,893 23,300 Deciduous fruit 28,251 32,005 29,646 30,325 31,813 Tropical fruit 7,716 6,426 7,660 7,592 8,372 Viticultural products 11,128 11,810 14,578 15,304 14,979 Dried fruit 1,630 2,452<	Sugar-cane	28,780	32,232	39,148	36,188	35, 465
Tobacco 12,833 18,371 15,833 16,802 15,022 Cotton 3,760 3,112 3,010 1,850 2,946 Groundnuts 13,838 10,324 13,844 15,536 19,200 Sunflowerseed 3,616 3,182 4,590 4,283 5,124 Wattle bark 8,522 7,332 7,888 7,888 7,800 Potatoes 9,562 12,840 15,301 8,798 9,870 Sweet potatoes 528 660 720 616 590 Citrus 27,381 22,494 20,177 17,893 23,300 Deciduous fruit 28,251 32,005 29,646 30,325 31,813 Tropical fruit 7,716 6,426 7,660 7,592 8,372 Vicicultural products 11,128 11,810 14,578 15,304 14,979 Dried fruit 1,630 2,452 2,344 2,400 2,400 Vegetables 18,903	Chicory	648		1,103	700	
Cotton 3,760 3,112 3,010 1,850 2,946 Groundnuts 13,838 10,324 13,844 15,536 19,200 Sunflowerseed 3,616 3,182 4,590 4,283 5,124 Wattle bark 8,522 7,332 7,888 7,888 7,800 Potatoes 9,562 12,840 15,301 8,798 9,870 Sweet potatoes 528 660 720 616 590 Citrus 27,381 22,494 20,177 17,893 23,300 Deciduous fruit 28,251 32,005 29,646 30,325 31,813 Tropical fruit 7,716 6,426 7,660 7,592 8,372 Viticultural products 11,128 11,810 14,578 15,304 14,979 Dried fruit 1,630 2,452 2,344 2,400 2,400 Vegetables 18,903 22,316 21,007 20,648 22,277 Other 6,774 <	Tobacco	12,833			16,802	
Groundnuts 13,838 10,324 13,844 15,536 19,200 Sunflowerseed 3,616 3,182 4,590 4,283 5,124 Wattle bark 8,522 7,332 7,888 7,888 7,800 Potatoes 9,562 12,840 15,301 8,798 9,870 Sweet potatoes 528 660 720 616 590 Citrus 27,381 22,494 20,177 17,893 23,300 Deciduous fruit 28,251 32,005 29,646 30,325 31,813 Tropical fruit 7,716 6,426 7,660 7,592 8,372 Viticultural products 11,128 11,810 14,578 15,304 14,979 Dried fruit 1,630 2,452 2,344 2,400 2,400 Vegetables 18,903 22,316 21,007 20,648 22,2,277 Other 6,774 6,399 6,993 7,073 7,885 TOTAL 33,738	Cotton					
Sunflowerseed 3,616 3,182 4,590 4,283 5,124 Wattle bark 8,522 7,332 7,888 7,888 7,800 Potatoes 9,562 12,840 15,301 8,798 9,870 Sweet potatoes 528 660 720 616 590 Citrus 27,381 22,494 20,177 17,893 23,300 Deciduous fruit 28,251 32,005 29,646 30,325 31,813 Tropical fruit 7,716 6,426 7,660 7,592 8,372 Viticultural products 11,128 11,810 14,578 15,304 14,979 Dried fruit 1,630 2,452 2,344 2,400 2,400 Vegetables 18,903 22,316 21,007 20,648 22,277 Other 6,774 6,399 6,993 7,073 7,885 TOTAL 383,131 361,883 395,490 400,026 445,966 Livestock products 2,678 <td>Groundnuts</td> <td></td> <td></td> <td></td> <td></td> <td></td>	Groundnuts					
Wattle bark 8,522 7,332 7,888 7,888 7,800 Potatoes 9,562 12,840 15,301 8,798 9,870 Sweet potatoes 528 660 720 616 590 Citrus 27,381 22,494 20,177 17,893 23,300 Deciduous fruit 28,251 32,005 29,646 30,325 31,813 Tropical fruit 7,716 6,426 7,660 7,592 8,372 Viticultural products 11,128 11,810 14,578 15,304 14,979 Dried fruit 1,630 2,452 2,344 2,400 2,400 Vegetables 18,903 22,316 21,007 20,648 22,277 Other 6,774 6,399 6,993 7,073 7,885 TOTAL 383,131 361,883 395,490 400,026 445,966 Livestock products: Wool 133,738 95,910 74,280 91,728 81,618 Mohair <td>Sunflowerseed</td> <td></td> <td>1</td> <td></td> <td></td> <td></td>	Sunflowerseed		1			
Potatoes 9,562 12,840 15,301 8,798 9,870 Sweet potatoes 528 660 720 616 590 Citrus 27,381 22,494 20,177 17,893 23,300 Deciduous fruit 28,251 32,005 29,646 30,325 31,813 Tropical fruit 7,716 6,426 7,660 7,592 8,372 Viticultural products 11,128 11,810 14,578 15,304 14,979 Dried fruit 1,630 2,452 2,344 2,400 2,400 Vegetables 18,903 22,316 21,007 20,648 22,277 Other 6,774 6,399 6,993 7,073 7,885 TOTAL 383,131 361,883 395,490 400,026 445,966 Livestock products: Wool 133,738 95,910 74,280 91,728 81,618 Mohair 4,410 3,590 4,622 7,092 6,080 Karakul pelts </td <td>Wattle bark</td> <td></td> <td></td> <td></td> <td></td> <td></td>	Wattle bark					
Sweet potatoes 528 660 720 616 590 Citrus 27,381 22,494 20,177 17,893 23,300 Deciduous fruit 28,251 32,005 29,646 30,325 31,813 Tropical fruit 7,716 6,426 7,660 7,592 8,372 Viticultural products 11,128 11,810 14,578 15,304 14,979 Dried fruit 1,630 2,452 2,344 2,400 2,400 Vegetables 18,903 22,316 21,007 20,648 22,277 Other 6,774 6,399 6,993 7,073 7,885 TOTAL 383,131 361,883 395,490 400,026 445,966 Livestock products: Wool 133,738 95,910 74,280 91,728 81,618 Mohair 4,410 3,590 4,622 7,092 6,080 Karakul pelts 2,678 2,816 2,444 3,038 2,681 Ostrich feat	Potatoes		1			
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Tropical fruit 7,716 6,426 7,660 7,592 8,372 Viticultural products 11,128 11,810 14,578 15,304 14,979 Dried fruit 1,630 2,452 2,344 2,400 2,400 Vegetables 18,903 22,316 21,007 20,648 22,277 Other 6,774 6,399 6,993 7,073 7,885 TOTAL 383,131 361,883 395,490 400,026 445,966 Livestock products: Wool 133,738 95,910 74,280 91,728 81,618 Mohair 4,410 3,590 4,622 7,092 6,080 Karakul pelts 2,678 2,816 2,444 3,038 2,681 Ostrich feathers 225 207 208 278 330 Slaughter stock: Cattle 73,980 76,804 76,726 81,194 83,633 Sheep 39,617 41,082 39,033 46,541 44,560 Pigs 16,176 15,315 11,709 14,709 13,355 Fresh milk 49,364 50,732 53,272 55,120 54,641 Dairy products 35,091 35,713 35,884 40,282 44,224 Poultry products 29,436 28,202 29,222 31,672 32,174 Other 4,386 4,461 4,425 4,851 4,907 TOTAL 389,104 354,832 331,825 376,505 368,203	Deciduous fruit			- ,		
Viticultural products 11,128 11,810 14,578 15,304 14,979 Dried fruit 1,630 2,452 2,344 2,400 2,400 Vegetables 18,903 22,316 21,007 20,648 22,277 Other 6,774 6,399 6,993 7,073 7,885 TOTAL 383,131 361,883 395,490 400,026 445,966 Livestock products: Wool 133,738 95,910 74,280 91,728 81,618 Mohair 4,410 3,590 4,622 7,092 6,080 Karakul pelts 2,678 2,816 2,444 3,038 2,681 Ostrich feathers 225 207 208 278 330 Slaughter stock: Cattle 73,980 76,804 76,726 81,194 83,633 Sheep 39,617 41,082 39,033 46,541 44,560 Pigs 16,176 15,315 11,709 14,709 13,355 Fresh mi	Tropical fruit	7,716		7,660	7,592	
Dried fruit 1,630 2,452 2,344 2,400 2,400 Vegetables 18,903 22,316 21,007 20,648 22,277 Other 6,774 6,399 6,993 7,073 7,885 TOTAL 383,131 361,883 395,490 400,026 445,966 Livestock products: Wool 133,738 95,910 74,280 91,728 81,618 Mohair 4,410 3,590 4,622 7,092 6,080 Karakul pelts 2,678 2,816 2,444 3,038 2,681 Ostrich feathers 225 207 208 278 330 Slaughter stock: Cattle 73,980 76,804 76,726 81,194 83,633 Sheep 39,617 41,082 39,033 46,541 44,560 Pigs 16,176 15,315 11,709 14,709 13,355 Fresh milk 49,364 50,732 53,272 55,120 54,641 Dairy products	Viticultural products	1		, ,		
Vegetables 18,903 22,316 21,007 20,648 22,277 Other 6,774 6,399 6,993 7,073 7,885 TOTAL 383,131 361,883 395,490 400,026 445,966 Livestock products: Wool 133,738 95,910 74,280 91,728 81,618 Mohair 4,410 3,590 4,622 7,092 6,080 Karakul pelts 2,678 2,816 2,444 3,038 2,681 Ostrich feathers 225 207 208 278 330 Slaughter stock: Cattle 73,980 76,804 76,726 81,194 83,633 Sheep 39,617 41,082 39,033 46,541 44,560 Pigs 16,176 15,315 11,709 14,709 13,355 Fresh milk 49,364 50,732 53,272 55,120 54,641 Dairy products 35,091 35,713 35,884 40,282 44,224 Cher	Dried fruit	1,630		1 '	2,400	
Other 6,774 6,399 6,993 7,073 7,885 TOTAL 383,131 361,883 395,490 400,026 445,966 Livestock products: Wool 133,738 95,910 74,280 91,728 81,618 Mohair 4,410 3,590 4,622 7,092 6,080 Karakul pelts 2,678 2,816 2,444 3,038 2,681 Ostrich feathers 225 207 208 278 330 Slaughter stock: Cattle 73,980 76,804 76,726 81,194 83,633 Sheep 39,617 41,082 39,033 46,541 44,560 Pigs 16,176 15,315 11,709 14,709 13,355 Fresh milk 49,364 50,732 53,272 55,120 54,641 Dairy products 35,091 35,713 35,884 40,282 44,224 Poultry products 29,436 28,202 29,222 31,672 32,174 Other	Vegetables	18,903			20,648	
TOTAL 383,131 361,883 395,490 400,026 445,966 Livestock products: Wool 133,738 95,910 74,280 91,728 81,618 Mohair 4,410 3,590 4,622 7,092 6,080 Karakul pelts 2,678 2,816 2,444 3,038 2,681 Ostrich feathers 225 207 208 278 330 Slaughter stock: Cattle 73,980 76,804 76,726 81,194 83,633 Sheep 39,617 41,082 39,033 46,541 44,560 Pigs 16,176 15,315 11,709 14,709 13,355 Fresh milk 49,364 50,732 53,272 55,120 54,641 Dairy products 35,091 35,713 35,884 40,282 44,224 Poultry products 29,436 28,202 29,222 31,672 32,174 Other 4,386 4,461 4,425 4,851 4,907 TOTAL 389,104 354,832 331,825 376,505 368,203	Other	1		1 .		
Livestock products: Wool 133,738 95,910 74,280 91,728 81,618 Mohair 4,410 3,590 4,622 7,092 6,080 Karakul pelts 2,678 2,816 2,444 3,038 2,681 Ostrich feathers 225 207 208 278 330 Slaughter stock: Cattle 73,980 76,804 76,726 81,194 83,633 Sheep 39,617 41,082 39,033 46,541 44,560 Pigs 16,176 15,315 11,709 14,709 13,355 Fresh milk 49,364 50,732 53,272 55,120 54,641 Dairy products 35,091 35,713 35,884 40,282 44,224 Poultry products 29,436 28,202 29,222 31,672 32,174 Other 4,386 4,461 4,425 4,851 4,907 TOTAL 389,104 354,832 331,825 376,505 368,203	TOTAL				400,026	
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Mohair 4,410 3,590 4,622 7,092 6,080 Karakul pelts 2,678 2,816 2,444 3,038 2,681 Ostrich feathers 225 207 208 278 330 Slaughter stock: Cattle 73,980 76,804 76,726 81,194 83,633 Sheep 39,617 41,082 39,033 46,541 44,560 Pigs 16,176 15,315 11,709 14,709 13,355 Fresh milk 49,364 50,732 53,272 55,120 54,641 Dairy products 35,091 35,713 35,884 40,282 44,224 Poultry products 29,436 28,202 29,222 31,672 32,174 Other 4,386 4,461 4,425 4,851 4,907 TOTAL 389,104 354,832 331,825 376,505 368,203	Wool	133,738	95,910	74,280	91,728	81,618
Karakul pelts 2,678 2,816 2,444 3,038 2,681 Ostrich feathers 225 207 208 278 330 Slaughter stock: Cattle 73,980 76,804 76,726 81,194 83,633 Sheep 39,617 41,082 39,033 46,541 44,560 Pigs 16,176 15,315 11,709 14,709 13,355 Fresh milk 49,364 50,732 53,272 55,120 54,641 Dairy products 35,091 35,713 35,884 40,282 44,224 Poultry products 29,436 28,202 29,222 31,672 32,174 Other 4,386 4,461 4,425 4,851 4,907 TOTAL 389,104 354,832 331,825 376,505 368,203	Mohair	4,410	3,590	4,622	7,092	
Ostrich feathers 225 207 208 278 330 Slaughter stock: Cattle 73,980 76,804 76,726 81,194 83,633 Sheep 39,617 41,082 39,033 46,541 44,560 Pigs 16,176 15,315 11,709 14,709 13,355 Fresh milk 49,364 50,732 53,272 55,120 54,641 Dairy products 35,091 35,713 35,884 40,282 44,224 Poultry products 29,436 28,202 29,222 31,672 32,174 Other 4,386 4,461 4,425 4,851 4,907 TOTAL 389,104 354,832 331,825 376,505 368,203	Karakul pelts	2,678			3,038	
Slaughter stock: Cattle 73,980 76,804 76,726 81,194 83,633 Sheep 39,617 41,082 39,033 46,541 44,560 Pigs 16,176 15,315 11,709 14,709 13,355 Fresh milk 49,364 50,732 53,272 55,120 54,641 Dairy products 35,091 35,713 35,884 40,282 44,224 Poultry products 29,436 28,202 29,222 31,672 32,174 Other 4,386 4,461 4,425 4,851 4,907 TOTAL 389,104 354,832 331,825 376,505 368,203	Ostrich feathers	225			278	
Sheep Pigs 39,617 41,082 39,033 46,541 44,560 14,709 13,355 11,709 14,709 13,355 11,709 14,709 13,355 11,709 14,709 13,355 12,700 14,709 13,355 12,700 14,709 13,355 12,700 14,709 13,355 12,700 14,709	Slaughter stock: Cattle	73,980		76,726	81,194	1
Pigs 16,176 15,315 11,709 14,709 13,355 Fresh milk 49,364 50,732 53,272 55,120 54,641 Dairy products 35,091 35,713 35,884 40,282 44,224 Poultry products 29,436 28,202 29,222 31,672 32,174 Other 4,386 4,461 4,425 4,851 4,907 TOTAL 389,104 354,832 331,825 376,505 368,203	Sheep				46,541	
Fresh milk 49,364 50,732 53,272 55,120 54,641 Dairy products 35,091 35,713 35,884 40,282 44,224 Poultry products 29,436 28,202 29,222 31,672 32,174 Other 4,386 4,461 4,425 4,851 4,907 TOTAL 389,104 354,832 331,825 376,505 368,203	Pigs	1				
Dairy products 35,091 35,713 35,884 40,282 44,224 Poultry products 29,436 28,202 29,222 31,672 32,174 Other 4,386 4,461 4,425 4,851 4,907 TOTAL 389,104 354,832 331,825 376,505 368,203	Fresh milk	1	-			·
Poultry products 29,436 28,202 29,222 31,672 32,174 Other 4,386 4,461 4,425 4,851 4,907 TOTAL 389,104 354,832 331,825 376,505 368,203	Dairy products					
Other 4,386 4,461 4,425 4,851 4,907 TOTAL 389,104 354,832 331,825 376,505 368,203	Poultry products					
TOTAL 389,104 354,832 331,825 376,505 368,203	Other			,		
000,200	TOTAL					
	GRAND TOTAL					

^{*} Provisional

As has been pointed out above, farm value is based on the volume of production and the average realised producers' prices.

Tables 2 and 3 show respectively the indices of the volume of agricultural production and producers' prices during the post-war period. From table 2 it appears that the physical production of field crops, horticultural products and animal products increased by 76,111 and 41 per cent respectively during this period, while total agricultural production increased by 63 per cent.

From table 3 it appears that producers' prices of slaughter stock, fresh milk, dairy products and poultry products together reflect the largest increase, while pastoral products (consisting mainly of wool) reflect a considerable decrease since the peak in wool prices in 1950/51. In general, prices increased rapidly until about 1952/53, whereafter they remained fairly constant.

Table 2. Indices of the volume of agricultural production. (1947/48 - 1949/50 = 100)

Production season	Field crops	Horticultural products	Livestock products	Total
1947/48	110	95	96	102
1948/49	89	98	100	95
1949/50	101	108	104	103
1950/51	115	110	108	111
1951/52	97	109	110	105
1952/53	120	127	117	119
1953/54	130	138	119	125
1954/55	131	147	122	128
1955/56	142	179	126	139
1956/57	154	189	131	147
1957/58	141	190	129	141
1958/59*	155	196	131	148
1959/60*	153	219	138	154
1960/61*	176	211	141	163

Preliminary.

Revisions have been effected to the abovementioned indices since it was published in the first issue of this journal.

<u>Table 3</u>. Indices of producers' prices of agricultural, horticultural and livestock products (1947/48 - 1949/50 = 100)

Marketing season	Field crops	Horticul - tural products	Pastoral products	Livestock products excluding pastoral	Total Agricultu- ral products	Total excluding pastoral products
1947/48	97.3	96.5	78.5	97.7	93.4	97.2
1948/49	100.8	98.7	95.8	99.4	99.0	99.9
1949/50	101.9	104.8	125.7	102.9	107.6	102.9
1950/51	108.0	111.3	263.7	115.8	142.9	111.4
1951/52	119.0	132.3	139.8	132.0	129.4	126.7
1952/53	132.6	140.9	172.4	139.7	144.3	136.9
1953/54	127.7	128.2	170.0	144.3	141.1	133.5
1954/55	124.0	136.7	144.5	146.7	136.7	134.7
1955/56	125.6	134.1	128.9	150.4	134.6	136.0
1956/57	123.0	134.8	168.9	154.9	143.3	136.6
1957/58	125.1	139.3	128.1	160.1	137.8	140.3
1958/59	121.8	148.0	103.4	154.2	131.5	138.9
1959/60*	121.1	134.9	123.1	159.8	134.5	137.5
1960/61*	127.3	139.0	109.9	157.5	134.0	140.3

Preliminary

Contribution of the agricultural sector to the domestic income of the Republic

Table 4 shows the contribution of the agricultural sector to the Republic's gross and net domestic income. The value of forestry and fisheries is not included herewith.

During the past three <code>seasons</code>, <code>viz.1958/59</code>, <code>1959/60</code> and <code>1960/61</code>, the relative contribution to the net domestic income <code>amounted</code> respectively to <code>10.4</code>, <code>10.5</code> and <code>10.4</code> per cent, as against an average of <code>14</code> per cent annually during <code>1947/48</code> to <code>1949/50</code>. It therefore appears that the relative contribution of the agricultural <code>sector</code> to the net domestic income has decreased during the <code>post-war</code> years.

Table 4. Contribution of agriculture¹⁾ to the Republic's domestic income. (R1,000)

101	<u> </u>	ibacion of agi					, 000)
	Farm	Net	Seed and	Production	Contribu-	Depre-	Contribution
	value of	change	animal	goods and	tion gross	ciation	to net do-
Year	agricultural	of livestock	feed ori-	services	domestic		mestic
Tear	production	inventories	ginating	bought	income		income
		į	from agri-		bought		
		•	cultural				
	2)		sector	3)	4)	5)	
1936/37	130,428	+ 5,996	8,234	23,780	104,410	9,000	95,410
1937/38	125,350	- 2,846	9,698	23,338	89,468	9,800	79,668
1938/39	136,046	+ 4,006	8,516	25,636	105,900	10,400	95,500
1939/40	145,808	+ 1,098	12,246	27,494	107,166	11,800	95,366
1940/41	157,008	- 744	12,784	29,438	114,042	13,800	100,242
1941/42	182,880	- 976	17,094	31,560	133,250	15,600	117,650
1942/43	234,380	+ 744	21,388	37,040	176,696	16,600	160,096
1943/44	239,986	+ 3,762	23,236	41,548	178,964	17,200	161,764
1944/45	246,100	- 3,284	23,924	44,202	174,690	17,200	157,490
1945/46	262,510	- 8,558	26,860	51,362	175,730	17,200	158,530
1946/47	307,094	- 9,728	26,890	55,074	215,402	18,800	196,602
1947/48	376,191	+ 17,222	29,758	69,484	294,170	21,800	272,371
1948/49	374,934	- 8,710	34,822	62,588	268,814	26,400	242,414
1949/50	434,343	- 18,990	38,044	81,962	295,347	33,200	262,147
1950/51	604,968	+ 22,648	38,612	88,402	500,600	40,600	460,002
1951/52	536,033	+ 11,662	50,038	94,842	402,815	48,200	354,615
1952/53	655,669	- 522	54,290	104,498	496,359	52,800	443,559
1953/54	686,814	+ 7,132	42,596	115,944	535,406	54,000	481,406
1954/55	681,336	+ 2,296	47,530	127,502	508,600	56,400	452,200
1955/56	697,154	+ 5,558	50,846	134,866	516,980	59,600	457,380
1956/57	722,235	+ 16,788	46,108	147,050	595,865	62,400	533,465
1957/58	716,715	- 2,728	53,014	151,870	509,103	64,700	444,403
1958/596)	727,315	- 8,868	53,697	166,286	499,164	66,800	432,364
1959/606)	776,531	-	59,631	180,000	536,900	69,700	467,200
1960/61 ⁶⁾	814,169	-	64,756	190,000	559,413	71,700	487,713

- 1) Excluding forestry and fisheries.
- Calculated at farm prices (i.e. market prices less marketing costs) and includes production of Europeans and non-Europeans.
- 3) Since 1949/50 estimates have been based on census figures; for previous years figures were estimated with the aid of an index compiled from local production and imports of the main farming requisites.
- 4) Contribution to gross domestic production: Farm value of agricultural production <u>plus/minus</u> value of net change in livestock inventories <u>minus</u> value of animal feed and seed originating from the agricultural sector <u>minus</u> value of production goods and services bought.
- 5) Calculations based on annual revaluation of capital assets, at 10% p.a. on machinery, implements and vehicles, and 2% p.a. on fixed improvements. These estimates are made according to calender years and converted a July-June year on a fifty-fifty basis. Depreciation on dwellings is included.
- 6) Preliminary.

Factor income of the agricultural sector

According to the latest calculations of the National Accounts Section of the Bureau of Census and Statistics, the factor income of the agricultural sector is as follows:

<u>Table 5.</u> Factor contribution of the agricultural sector to the net domestic income of the Republic. (R Million)

Year	Salaries and wages	Other income	Total income	
1953/54	126.4	355.0	481.4	
1954/55	131.3	320.9	452.2	
1955/56	126.2	331.2	457.4	
1956/57	132.0	401.5	533.5	
1957/58	135.2	309.2	444.4	
1958/59	146.1	286.2	432.4	
1959/60*	143.4	323.8	467.2	
1960/61*	148.0	339.7	487.7	

Prelim inary

Source: Bureau of Census and Statistics.

"Salaries and wages" includes cash wages and salaries as well as remuneration in kind, while "other" income consists of the income from capital (consisting of net profits, net rent of all fixed property and interest).

From table 5 it appears that the income of farmers as entrepreneurs, as set out above, fluctuates relatively a good deal from year to year. This is ascribed to various factors, particularly climatic factors and prices of certain products. The remuneration of labour shows a constant increasing tendency, relatively as well as absolutely.

(In a later issue of this journal an article will be published on the compilation of price indices by the Division of Economics and Markets).