



# Annual report on the implementation of the External Bursary Scheme 2010/11



agriculture,  
forestry & fisheries

Department:  
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# **Annual report on the implementation of the External Bursary Scheme**

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Directorate: Sector, Education and Training

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## Acronyms

ARC	Agricultural Research Council
B.A.	Bachelor of Arts
B.Com.	Bachelor of Commerce
B.Sc.	Bachelor of Science
B.V.Sc.	Bachelor of Veterinary Science
DAFF	Department of Agriculture, Forestry and Fisheries
SET	Sector Education and Training
FET	Further Education and Training
GCIS	Government Communication and Information System
HET	Higher Education and Training
Hons	Postgraduate degree (Honours)
HRD	Human Resources Development
M.Sc.	Master's degree in Science
Nat. Dipl.	National Diploma
NRF	National Research Foundation
NSF	National Skills Fund
NSFAS	National Students' Financial Aid Scheme
Ph.D.	Postgraduate degree (Doctorate)
SAQA	South African Qualifications Authority

## Definition of terms

<b>Academic performance</b>	Performance or progress of a bursary holder through monthly tests, assignments, tutorials and examinations in order to assess the academic progress
<b>Bursary holder</b>	Any person to whom a study bursary/aid is granted
<b>Career awareness schools</b>	The best performing schools which were identified by the DAFF in previously disadvantaged communities to create agriculture, forestry and fisheries awareness among school-going youth and to identify performing learners to be worthy recipients of the bursary fund
<b>External Bursary Scheme</b>	A scheme of the DAFF that offers financial assistance to deserving students to further their studies at institutions of higher learning
<b>Fail</b>	The performance of bursary holders who are regarded as incompetent and were retained at the same level of study
<b>Institution</b>	Any SAQA-recognised university, university of technology, college or secondary school inside the boundaries of South Africa
<b>Pass</b>	The performance of bursary holders who are deemed competent and proceed to the next level of study
<b>Study field</b>	Any department/faculty approved degree or diploma at an institution
<b>Student counselling and support</b>	Support given to bursary holders in the form of group/individual guidance to explore and remedy the academic problems and challenges that might affect the performance of a bursary holder





## Executive summary

The 2010/11 Annual report on the implementation of the external bursary scheme covers activities relating to the 2010/11 bursary awards and the management processes in terms of recruitment, selection, monitoring and evaluation of the academic performance as well as counselling support services offered to bursary holders.

The report indicates that a total of 235 students were awarded bursaries to further their studies during the 2010 academic year. In terms of race, 178 (75,7%) Africans, 20 coloureds (8,5%), 20 Indians (8,5%) and 17 whites (7,2%) benefitted from the scheme in 2010. With regard to gender, 121 (51,5%) are males and 114 (48,5%) are females. Out of the 235 bursary holders, 100 constituted new intakes additional to the 135 beneficiaries who were already in the system. Of the new intake, 14 were for the National Senior Certificate, 80 undergraduates and 6 postgraduates (B.Tech. and Ph.D.).

Monitoring and evaluation constitute a critical element of ensuring the success of the implementation of the scheme. Bursary monitoring meetings as well as one-on-one student support meetings were conducted at various institutions of higher learning. The success of the External Bursary Scheme is measured through the academic performance of students and is a critical tool to measure return on investment. Of the 235 beneficiaries who were awarded bursaries, 227 wrote their 2010 end-of-year examinations. Of the 227, 215 (91,1%) passed and 12 (8,9%) failed. Despite the support given to bursary holders, six of them were excluded from their studies because of poor academic performance and one discontinued studies due to severe mental and psychological problems.

Regarding analysis of return on investment using academic performance as a tool, 45 beneficiaries, consisting of postgraduates and undergraduate students, successfully completed their studies in 2010.

## 1. BACKGROUND AND MANAGEMENT PROCESSES

### 1.1 Introduction

The Department of Agriculture, Forestry and Fisheries (DAFF) introduced the External Bursary Scheme in 2004 to address the acute skills deficit and scarcity of professionals and technical staff in the agriculture, forestry and fisheries sectors. The highly skilled workforce in the agriculture, forestry and fisheries sectors is regarded as a cornerstone of the South African economy. The department has placed education and skills development at the centre of its policies and given priority to investing in the youth to ensure a skilled and capable workforce to support growth and job creation. The External Bursary Scheme is specifically designed to equip the youth with advanced training and development in scarce and critical skills in agriculture, forestry and fisheries that are necessary for a job market that is hostile to school leavers.

The Directorate: Sector Education and Training, which is responsible for the implementation of the External Bursary Scheme, annually forwards a needs analysis questionnaire to various technical line function directorates in the DAFF, the nine provincial departments of agriculture and other relevant stakeholders to identify current scarce and critical skills in agriculture, forestry and fisheries for which bursaries could be awarded.

Currently the scheme receives a budget of R8,3 million annually and funds are transferred to the National Students' Financial Aid Scheme (NSFAS) solely to be administered. The National Bursary Committee chaired by the Director: Education, Training and Extension Services is responsible for awarding the bursaries. As indicated in section 7.2 of the *External Bursary Policy and Procedures*, the National Bursary Committee is always guided by the 14-point system criteria in awarding bursaries to deserving applicants. The implementation, monitoring and evaluation of the External Bursary Scheme reside with the Subdirectorate: Sector Skills Development.

Since the inception of the scheme in 2004, a total of 873 young people have benefitted from a variety of awards. Of this total, 366 successfully completed their studies.

### 1.2 Objectives

The primary objective of the External Bursary Scheme is to contribute towards human resources development in the agriculture, forestry and fisheries sectors, in line with the following strategic objectives.

#### 1.2.1 *New entrants*

To encourage and enable learners at pre-tertiary level to identify and nurture their potential at an early stage and to have more scientists at the highest level, relevant to the present and future market needs of the sector and the economy.

#### 1.2.2 *Access*

To increase the number of scientists in the agriculture, forestry and fisheries designated groups and consequently to increase the number of farmers from designated groups at commercial level.

#### 1.2.3 *Competitiveness*

To contribute towards making the agriculture, forestry and fisheries sectors more competitive and more representative of South Africa's demographics by providing learning opportunities for those previously marginalised

#### 1.2.4 *Needs driven*

To focus on the needs of the agriculture, forestry and fisheries sectors

#### 1.2.5 *Redress*

To address the government's transformation processes and skewed participation in the agriculture, forestry and fisheries sectors

### 1.3 Bursary management process

#### 1.3.1 Advertisement of bursary awards

The process of advertising bursaries starts with the collection of information on the prioritised scarce and critical skills in agriculture, forestry and fisheries from technical line function directorates within the DAFF, provincial departments of agriculture and relevant stakeholders across the agriculture, forestry and fisheries sectors using the needs analysis questionnaire. The needs analysis questionnaires were sent to all relevant stakeholders in 2009. The information on scarce skills gathered from the needs analysis were analysed and the following fields of studies were prioritised for the 2010 academic year:

- Bachelor of Veterinary Science (B.V.Sc.)
- B.Sc. Bioresource Engineering
- B.Sc. Viticulture and Oenology
- B.Agric. Viticulture
- B.Sc. Entomology
- B.Sc. Food Science
- B.Sc. Plant Pathology
- B.Sc. Aquaculture
- B.Sc. Genetics
- B.Sc. Agronomy and Soil Science
- Postgraduate (B.Tech., Hons, Masters and Ph.D.) in relevant agriculture, forestry and fisheries study fields linked to the DAFF priority research projects.

Based on the skills that were identified and prioritised, an advert was compiled and published in the *City Press* (p. 4) on 14 June 2009 with the assistance and guidance from the Directorate: Agricultural Information Services. In addition to the national print media advertisements, the opportunities were also advertised through the website of the DAFF. Promotion of the DAFF's 2010 external bursary opportunities was also done through the distribution of posters during July 2009 to institutions of higher learning, agricultural colleges, high schools, community libraries, the Agricultural Research Council, the Land Bank, provincial departments of agriculture as well as notice boards of the department's buildings in Pretoria (Agriculture Place, Sefala, Harvest House, Delpen and Silverton).

In response to the 2010 advert, a total of 916 (Nine hundred and sixteen) applications from potential applicants were received, captured and analysed as follows:

• B.V.Sc.	25
• B.Sc. Bioresource Engineering	65
• B.Sc. Viticulture and Oenology	4
• B.Agric. Viticulture	8
• B.Sc. Food Science	92
• B.Sc. Genetics	19
• B.Sc. Pasture science	17
• B.Sc. Plant Pathology	21
• B.Sc. Entomology	4
• B.Sc. Aquaculture	3
• B.Sc. Soil Science and Agronomy	54
• Total irrelevant	584
• Total applications received	916

Out of the total of 916 applications received, 332 were relevant and fundable and 584 were irrelevant because applicants applied for fields of studies that were not advertised. Letters of regret were sent to 584 applicants who applied for irrelevant fields of studies; and advice was provided in the letters to rather consider study fields sponsored by the DAFF External Bursary Scheme.

### 1.3.2 Selection of qualifying applicants

The entry requirements for all the fields of study vary. However, all of them require matriculation exemption with a good pass in Physical Science, Biology and Mathematics for admission. The selection of qualifying candidates is undertaken by National Bursary Committee as outlined in section 7.2 of the DAFF's *External Bursary Scheme Policy and Procedure*. The selection of qualifying candidates is done by applying the 14-points system which takes into account: race, gender, disability, academic performance and the economic and financial status of the candidate. The National Bursary Committee comprises of 12 members made up of representatives from the following:

- Nine provincial departments of agriculture (one HRD Manager from each province)
- Director: Education, Training and Extension Services from the DAFF
- One representative from the Land Bank
- One representative from the Agricultural Research Council (ARC).

The National Bursary Committee meeting to finalise the selection of qualifying applicants was held on 19 January 2010 and as the highest decision-making body, the committee agreed on the following criteria for the 2010 awards:

- That the DAFF shall not award more than 10 bursaries for the 2010 academic year
- That the 10 awards for 2010 shall include bursary holders whose bursaries must be reinstated in 2010
- That the Directorate: Agriculture Engineering Services has committed itself to use its own budget to fund up to 20 deserving B.Sc. Bioresource Engineering applicants for 2010
- That the DAFF shall continue to engage the private sector, the National Research Foundation (NRF), the Department of Higher Education and Training, the Department of Labour's National Skills Fund (NSF) and the DAFF's line function SETAs to source funding for the deserving applicants
- That the minimum of 12 points out of 14 points will be utilised to award bursaries for the 2010 academic year
- That in case additional funds are secured to augment the R8,3 million budget, additional awards will be made to qualifying applicants using the 14-points system.

Based on the criteria agreed upon by the committee the following numbers of applicants were awarded bursaries per field of study:

• B.V.Sc.	4
• B.Sc. Bioresource Engineering	6
• B.Sc. Viticulture and Oenology	2
• B.Agric. Viticulture	2
• B.Sc. Food Science	3
• B.Sc. Soil Science and Agronomy	2
• B.Sc. Pasture Science	2
• B.Sc. Plant Pathology	1
• B.Sc. Forestry Science	17
• B.Sc. Wood Science	2
• B.Sc. Geology Science	1
• B.Com. Agri-business Management	1
• Nat. Dipl. Forestry	15
• Dipl. in Agriculture	22
• B.Tech.	5
• Ph.D.	1
• National Senior Certificate	14
• Total awards	100

### 1.3.3 Placement of bursary holders at the various institutions of higher learning

The placement of bursary holders is the critical role of the Bursary Student Counsellor. During January 2010, the Bursary Student Counsellor assisted new bursary awardees with their registrations, secur-

ing of accommodation and movement from their respective homes to the institutions of higher learning where they have been admitted for their studies. The process involves working closely with faculty administrators and financial aid officers within the institutions where they have been admitted. The Bursary Student counsellor ensures that bursary holders have packed their luggage (clothes, toiletries, bedding, cooking utensils, etc.) and have direction maps for their destinations, where they will be accommodated and at which offices to start once they have arrived at the institutions of higher learning.

## 2. ANALYSIS OF THE 2010 BURSARY AWARDS

### 2.1 Breakdown of all bursary awards for the 2010 academic year

In 2010, 100 new beneficiaries were awarded bursaries in addition to the 134 bursary holders who are already in the system.

TABLE 1: Breakdown of all 2010 bursary awards [ $n = 235$ ]

Field of study	Race								Gender				Total	
	African		Coloured		Indian		White		Male		Female		No.	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%		
B.V.Sc.	6	25,0	3	12,5	13	54,2	2	8,3	5	20,8	19	79,2	24	
B.Sc. Bioresource Engineering	17	73,9	0	0,0	4	17,4	1	4,5	12	54,5	10	43,5	22	
B.Sc. Viticulture and Oenology	5	100,0	0	0,0	0	0,0	0	0,0	2	40,0	3	60,0	5	
B.Agric. Viticulture	1	25,0	2	50,0	1	25,0	0	0,0	2	50,0	2	50,0	4	
B.Sc. Agric. Economics	16	88,9	1	5,6	1	5,6	0	0,0	10	55,6	8	44,4	18	
B.Sc. Biotechnology	4	100,0	0	0,0	0	0,0	0	0,0	0	0,0	4	100,0	4	
B.Sc. Food Science	12	100,0	0	0,0	0	0,0	0	0,0	6	50,0	6	50,0	12	
B.Sc. Forestry	7	41,2	4	23,5	0	0,0	6	35,3	11	64,7	6	35,3	17	
B.Sc. Plant Pathology	0	0,0	0	0,0	1	100,0	0	0,0	0	0,0	1	100,0	1	
B.Sc. Soil Science	2	100,0	0	0,0	0	0,0	0	0,0	1	50,0	1	50,0	2	
B.Sc. Geology Science	0	0,0	0	0,0	0	0,0	1	100,0	1	100,0	0	0,0	1	
B.Sc. Pasture Science	2	100,0	0	0,0	0	0,0	0	0,0	2	100,0	0	0,0	2	
B.Sc. Wood Science	1	50,0	0	0,0	0	0,0	1	50,0	2	100,0	0	0,0	2	
B.Sc. Genetics	1	100,0	0	0,0	0	0,0	0	0,0	0	0,0	1	100,0	1	
B.Sc. Animal Science	1	100,0	0	0,0	0	0,0	0	0,0	1	100,0	0	100,0	1	
B.Com. Agri-business Management	1	100,0	0	0,0	0	0,0	0	0,0	0	0,0	1	100,0	1	
Nat. Dipl. Forestry	13	86,7	0	0,0	0	0,0	2	13,3	9	60,0	6	40,0	15	
Nat. Dipl. Food Technology	10	83,3	2	16,7	0	0,0	0	0,0	5	41,7	7	58,3	12	
Nat. Dipl. Agric. Management	1	100,0	0	0,0	0	0,0	0	0,0	1	100,0	0	0,0	1	
Dipl. in Agriculture	35	83,3	7	16,7	0	0,0	0	0,0	30	71,4	12	28,6	42	
National Senior Certificate	29	87,9	0	0,0	0	0,0	4	12,1	12	36,4	21	63,6	33	
B.Tech. Food Technology	1	100,0	0	0,0	0	0,0	0	0,0	0	0,0	1	100,0	1	
B.Tech. Food and Consumer Science	1	100,0	0	0,0	0	0,0	0	0,0	0	0,0	1	100,0	1	
B.Tech. Forestry	3	100,0	0	0,0	0	0,0	0	0,0	2	66,7	1	33,3	3	
B.Sc. Animal Nutrition (Hons)	1	100,0	0	0,0	0	0,0	0	0,0	1	100,0	0	0,0	1	
B.Sc. Environmental Management (Hons)	1	100,0	0	0,0	0	0,0	0	0,0	1	100,0	0	0,0	1	
M.Sc. Botany	1	100,0	0	0,0	0	0,0	0	0,0	0	0,0	1	100,0	1	
M.Sc. Food Science	2	66,7	1	33,3	0	0,0	0	0,0	3	100,0	0	0,0	3	
M.Sc. Ichthyology and Fisheries Management	1	100,0	0	0,0	0	0,0	0	0,0	1	100,0	0	0,0	1	
M.Sc. Pasture Science	1	100,0	0	0,0	0	0,0	0	0,0	1	100,0	0	0,0	1	

Field of study	Race								Gender				Total	
	African		Coloured		Indian		White		Male		Female			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	
M.Sc. Plant Protection	1	100,0	0	0,0	0	0,0	0	0,0	0	0,0	1	100,0	1	
Ph.D. Agric. Economics	1	100,0	0	0,0	0	0,0	0	0,0	0	0,0	1	100,0	1	
<b>Total</b>	<b>178</b>	<b>75,7</b>	<b>20</b>	<b>8,5</b>	<b>20</b>	<b>8,5</b>	<b>17</b>	<b>7,2</b>	<b>121</b>	<b>51,5</b>	<b>114</b>	<b>48,5</b>	<b>235</b>	

Table 1 indicates that 178 (75,7%), 20 coloureds (8,5%), 20 Indians (8,5%) and 17 whites (7,2%) were awarded bursaries to further their studies. The table further shows that in addition to the bursaries for undergraduate and postgraduate studies, bursaries were awarded to 33 high-school learners from DAFF career-awareness schools.

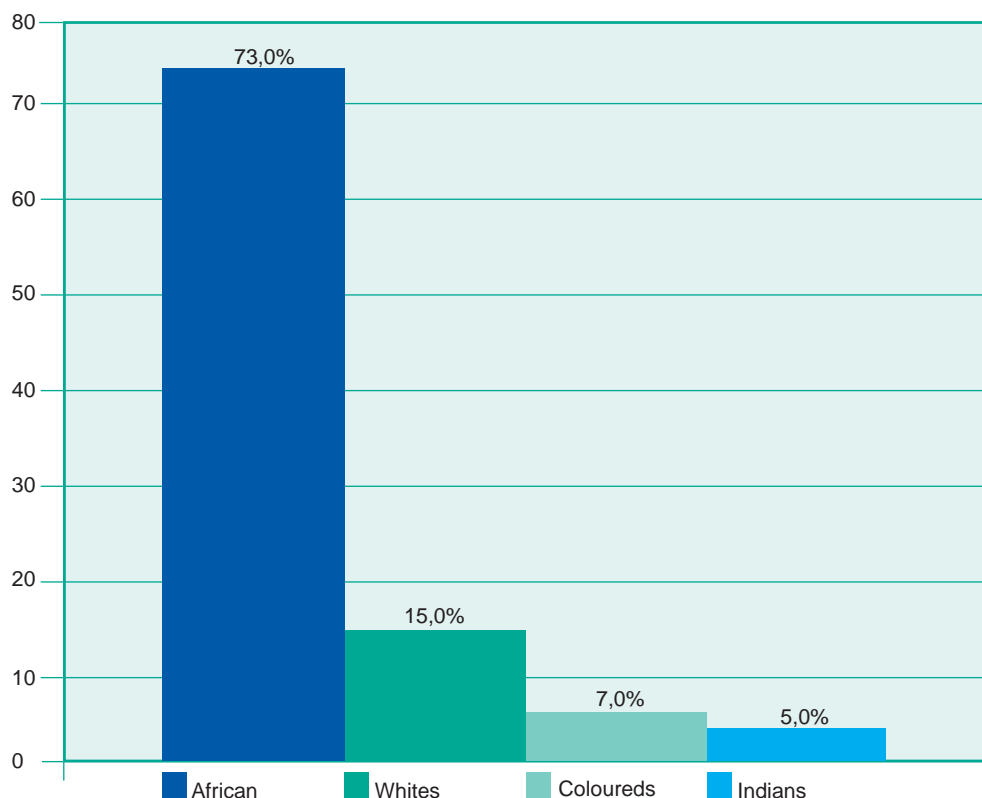
## 2.2 Analysis of the 2010 new intake

TABLE 2: Breakdown of new intake of the 2010 DAFF bursary holders [ $n = 100$ ]

Field of study	Race								Gender				Total
	African		Coloured		Indian		White		Male		Female		
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	
B.V.Sc.	1	25,0	1	25,0	2	50,0	0	0,0	0	0,0	4	100,0	4
B.Sc. Bioresource Engineering	5	71,4	0	0,0	0	0,0	1	16,7	2	33,3	4	57,1	6
B.Sc. Viticulture and Oenology	2	100,0	0	0,0	0	0,0	0	0,0	1	50,0	1	50,0	2
B.Agric. Viticulture	0	0,0	1	50,0	1	50,0	0	0,0	1	50,0	1	50,0	2
B.Sc. Food Science	3	100,0	0	0,0	0	0,0	0	0,0	1	33,3	2	66,7	3
B.Sc. Pasture Science	2	100,0	0	0,0	0	0,0	0	0,0	2	100,0	0	0,0	2
B.Sc. Plant Pathology	0	0,0	0	0,0	1	100,0	0	0,0	0	0,0	1	100,0	1
B.Sc. Forestry	7	41,2	3	17,6	1	5,9	6	35,3	11	64,7	6	35,3	17
B.Sc. Geology Science	0	0,0	0	0,0	0	0,0	1	100,0	1	100,0	0	0,0	1
B.Sc. Wood Science	1	50,0	0	0,0	0	0,0	1	50,0	2	100,0	0	0,0	2
B.Sc. Soil Science	2	100,0	0	0,0	0	0,0	0	0,0	1	50,0	1	50,0	2
B.Com. Agri-business Management	1	100,0	0	0,0	0	0,0	0	0,0	0	0,0	1	100,0	1
Nat. Dipl. Forestry	13	86,7	0	0,0	0	0,0	2	13,3	9	60,0	6	40,0	15
Dipl. in Agriculture	20	90,9	2	9,1	0	0,0	0	0,0	15	68,2	7	31,8	22
National Senior Certificate	10	71,4	0	0,0	0	0,0	4	28,6	9	64,3	5	35,7	14
B.Tech. Food Technology	1	100,0	0	0,0	0	0,0	0	0,0	0	0,0	1	100,0	1
B.Tech. Food and Consumer Science	1	100,0	0	0,0	0	0,0	0	0,0	0	0,0	1	100,0	1
B.Tech. Forestry	3	100,0	0	0,0	0	0,0	0	0,0	2	66,7	1	33,3	3
Ph.D. Agric. Economics	1	100,0	0	0,0	0	0,0	0	0,0	0	0,0	1	100,0	1
<b>Total</b>	<b>73</b>	<b>73,0</b>	<b>7</b>	<b>7,0</b>	<b>5</b>	<b>5,0</b>	<b>15</b>	<b>15,0</b>	<b>57</b>	<b>57,0</b>	<b>43</b>	<b>43,0</b>	<b>100</b>

Table 2 shows that 100 new beneficiaries were awarded bursaries for the 2010 academic year. A total of 14 were high school learners, 81 undergraduates and six postgraduates (B.Tech. and Ph.D.).

GRAPH 1: Breakdown of new intake of DAFF bursary holders in terms of race for 2010 [ $n = 100$ ]



In terms of the allocations depicted in Graph 1, Africans are the major beneficiaries with 73 (73,0%), followed by whites at 15 (15,0%), coloureds at seven (7,0%) and Indians with five (5,0%).

GRAPH 2: Breakdown of new intake of DAFF bursary holders in terms of gender for 2010 [ $n = 100$ ]



In terms of gender depicted in Graph 2 on the previous page, 43,0% of the beneficiaries are females and 57,0% are males.

### 2.3 Analysis of FET career awareness learners who were awarded bursaries for the 2010 academic year

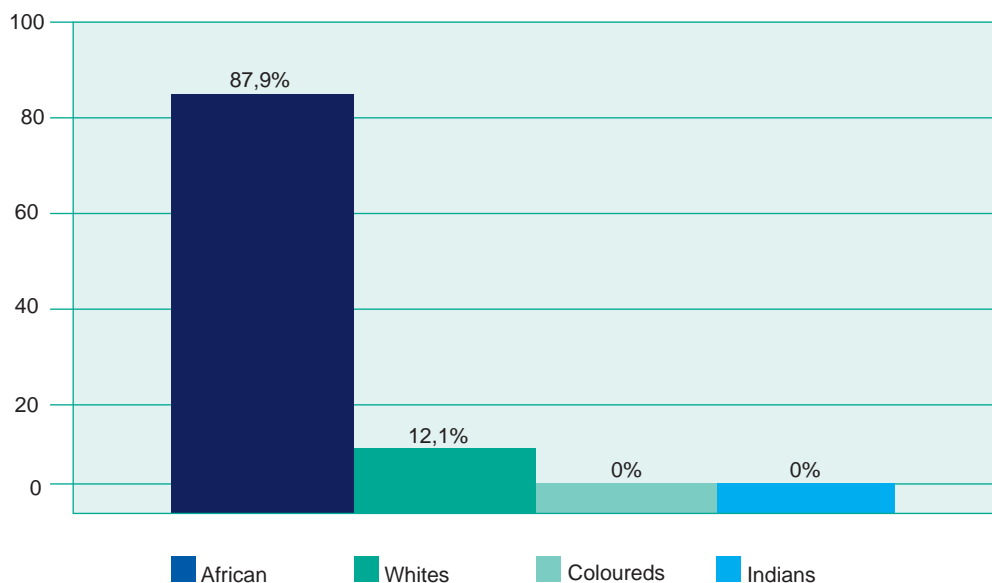
The table below shows the analysis of bursaries awarded to learners from the 11 participating career awareness schools.

TABLE 3: Breakdown of FET bursary awards for 2010 [ $n = 33$ ]

Field of study	Race								Gender				Total
	African		Coloured		Indian		White		Male		Female		
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	
Grade 12	9	90,0	0	0,0	0	0,0	1	10,0	4	40,0	6	60,0	10
Grade 11	15	83,3	0	0,0	0	0,0	3	16,7	8	44,4	10	55,6	18
Grade 10	5	100,0	0	0,0	0	0,0	0	0,0	0	0,0	5	100,0	5
<b>Total</b>	<b>29</b>	<b>87,9</b>	<b>0</b>	<b>0,0</b>	<b>0</b>	<b>0,0</b>	<b>4</b>	<b>12,1</b>	<b>12</b>	<b>36,4</b>	<b>21</b>	<b>63,6</b>	<b>33</b>

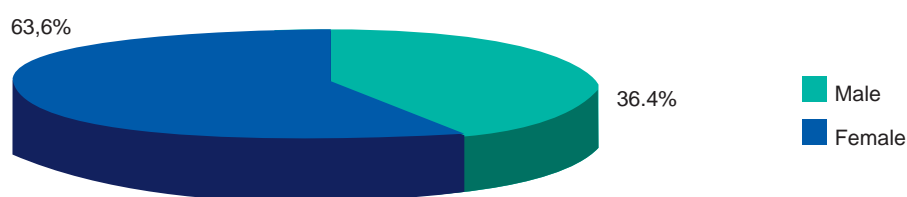
Table 3 (page 7) shows that 33 high school learners were offered bursaries by the DAFF. This included ten for Grade 12; eighteen for Grade 11; and five for Grade 10.

GRAPH 3: Analysis of FET bursary awards in terms of race for 2010 [ $n = 33$ ]



Graph 3 indicates that all beneficiaries are Africans and there are no coloureds, Indians or whites.

GRAPH 4: Analysis of FET bursary awards in terms of gender for 2010 [ $n = 33$ ]



In terms of gender analysis, Graph 4 above shows the majority 21 (63,6%) were females and 12 (36,4%) were males.

## 2.4 Analysis of provinces and municipalities where bursary beneficiaries are coming from

The 2010 DAFF bursary awards were advertised in the national print and electronic media in June 2009 and as a result candidates were recruited nationally. The tables below indicate the analysis of provinces and municipalities where beneficiaries came from:

TABLE 4: Breakdown of all 2010 bursary holders according to provinces where they come from [ $n = 235$ ]

Province	Total number
Eastern Cape	41
Free State	10
Gauteng	13
KwaZulu-Natal	73
Limpopo	17
Mpumalanga	20
North West	18
Northern Cape	18
Western Cape	25
<b>Total</b>	<b>235</b>



Table 4, on the previous page, shows that the highest number of beneficiaries came from KwaZulu-Natal Province while the lowest number came from Free State.

TABLE 5: Breakdown of all 2010 bursary holders according to the municipalities/districts where they come from  
[n = 235]

Municipality/district	Total	Municipality/district	Total
Albert Luthuli	1	Middelburg	2
Alfred Nzo	3	Mgquma	3
Amajuba	1	Moqhaka	1
Apel	1	Moretele	5
Breede Valley	1	Mosamane	1
Bushbuckridge	1	Moses Kotane	5
City of Cape Town	5	Motheo	2
City of Johannesburg	2	Naledi	1
City of Tygerberg	1	Nebo	1
Cofimvaba	4	Ngaka Modiri Molema	1
Concordia	1	Nhlazatshe	2
Dr J.S. Moroka	2	Nongoma	1
King William's Town	1	Nyandeni	2
Ekurhuleni	1	Oostenberg	6
Elliot	5	Nkomazi	1
Empangeni	3	O.R. Tambo	4
Ethekhwini	4	Othukela	1
Gert Sibande	1	Paulpietersburg	2
Greater Taung	4	Peddie	2
Groblershoop	1	Phalaborwa	1
Hartswater	1	Pietermaritzburg	17
Hessequa	3	Piketberg	1
Hibiscus	1	Polokwane	3
Hlabisa	1	Qumbu	1
Inxuba ye Themba	1	Richards Bay	2
Jan Kempdorp	1	Sabie	1
Jansenville	2	Sandton	1
Kabokweni	1	Setsoto	1
Khayelitsha	2	Shwashweni	1
Kharais	1	Sisonke	2
King Sabata Dalidyebo	1	Sol Plaatjie	2
Knysna	2	Steve Tshwete	1
Kuils River	2	Thembisile	3
Kwambonambi	1	Thulamela	4
Kuruman	1	Trompsburg	1
Lady Frere	1	Tshwane	6
Lepelle Nkumpi	1	Tuzigazi	1
Lekoa	2	Uitenhage	1
Lephalale	1	UKhahlamba	1
Likhangani	1	Umfoloji	1
Mabopane	1	Umgungundlovu	3
Madibeng	1	Umhlatuze	15

Municipality/district	Total	Municipality/district	Total
Mafikeng	1	Umsunduzi	4
Mafube	1	Umuziwabantu	2
Mogalakwena	1	Umzinyathi	1
Makhado	2	Upington	10
Makhuduthamaga	1	Uthukela	1
Malelane	1	Uthungulu	1
Maluti-a Phofung	1	Vhembe	4
Mangaung	3	Witzenberg	1
Marafong	1	Whittlesea	1
Mathole	2	Wostenberg	1
Mbizana	2		
Mbombela	2		
Mbonambi	2		
Middelburg	3		
Motsweding	1		
Mthatha	1		
<b>Total</b>	<b>95</b>	<b>Total</b>	<b>140</b>
<b>Grand Total 235</b>			

Table 5 shows that the majority (17) of bursary beneficiaries came from the Pietermaritzburg Municipality, followed by Umhlathuze and Upington with 15 and 10, respectively.

### 3. BURSARY COUNSELLING SERVICES

The Student Counselling Services is the DAFF's risk management strategy to ensure the success of the implementation of the scheme.

#### 3.1 The core functions of the Bursary Counselling Services are as follows:

- Give academic, career, social, personal and psychological support to bursary holders
- Assessment of academic progress of bursary holders through semester tests, tutorials and assignments
- Identifying early warning signs of possible failure among bursary holders and provide mitigating solutions
- Providing bursary holders with the life skills needed to deal with problems before they occur and to enhance students' personal, social and academic growth
- Provide counselling support to bursary holders in the form of group and individual sessions, telephone calls, letters and e-mails
- Source academic support for bursary holders from institutions of higher learning
- Assist with admission and accommodation for first-year bursary holders in institutions of higher learning
- Secure placement for bursary holders who need experiential training, vacation work, participation in the internship programme or permanent employment.

#### 3.2 Support given to bursary holders during the 2010 academic year

The Bursary Student Counsellor provided continuous student support and counselling for the bursary holders through e-mails, telephone and fax. Challenges that bursary holders were faced with during the 2010 academic year which the Bursary Student Counsellor handled, included the following:

- Adjustment of lifestyle of bursary holders from village to big cities
- Teaching methods at university
- Study skills techniques
- Social interaction problems
- Family problems (e.g. death of a family member, divorce of parents, health problems of members, car accidents of members)
- Personal problems (e.g. pregnancy, relationships, health, financial)
- Lack of time management by bursars to cope with the high workload and failing to obtain good admission marks for examinations.

### 3.3 Bursary monitoring meetings

Performance, monitoring and evaluation are critical in ensuring the success of the Bursary Scheme. During 2010, physical visits to various institutions where DAFF bursary holders are attending and the NSFAS were conducted. The NSFAS, which administers the transfer of DAFF bursary funds to various institutions, was visited on 24 February 2010. The purpose of the visit was as follows:

- Define communication channels between the DAFF and NSFAS to enhance effective partnership
- Plan the schedule for the payment of claims to institutions
- The 2010/11 audited financial statement.

The dates, purpose and outcomes of monitoring visits conducted in all institutions of higher learning where DAFF bursary holders are attending are outlined in Table 6 below.

TABLE 6: Analysis of bursary monitoring visits conducted in various institutions of higher learning hosting DAFF bursary holders

Date	Institution of learning visited	Purpose	No. of bursary holders attended	Duration of meetings in hours	Outcomes of meetings
9–11 Feb.	Nelson Mandela Metropolitan University	<p>To welcome and orientate new bursary holders</p> <p>To discuss DAFF's External Bursary Policy and procedures</p> <p>To confirm that the modules registered by students comply with requirements of registered fields of study</p> <p>To finalise the breakdown structure of fees and discuss it with the students and the management of the universities before sending it to NSFAS for processing</p>	18	5	<p>New students were inducted with regard to:</p> <p>Strategies to cope with academic, personal, health, stress and relationship problems</p> <p>Salient points relating to bursary policy and implications of the signed contract</p> <p>How to access academic support at the university</p> <p>Benefits of the bursary award</p> <p>Proof of registration of each student was analysed and verified to ensure that it complies with minimum requirements set for a registered field of study</p> <p>Method of payment of bursary benefits to students was discussed and agreed upon with the management of the universities and sent to NSFAS for processing</p> <p>The fees structure, which includes tuition, books, accommodation, meals and monthly allowances, was discussed and finalised with the students and management of the universities</p> <p>The meetings also helped bursary holders from the same institution to get to know each other and to form study groups</p>

Date	Institution of learning visited	Purpose	No. of bursary holders attended	Duration of meetings in hours	Outcomes of meetings
22 Feb.	Cape Peninsula University of Technology University of Western Cape		6	5	
23 Feb.	University of Stellenbosch  Eisenburg College		32  4	6  2	
10–11 March	University of KwaZulu-Natal (Howard and Pietermaritzburg campus)		35	10	
12 March	Durban University of Technology		2	2	
06–07 April	University of KwaZulu- Natal (Howard and Pietermaritzburg campus)	<p>To conduct one-on-one meetings with each student to offer academic and counselling support</p> <p>To assess academic progress of each bursary holder</p> <p>To mobilise academic support within the institutions for struggling students</p> <p>To discuss placement opportunities or vacation work, experiential training and permanent employment for completing students</p>	36	15–30 minutes per student	<p>Counselling support was offered to students and their problems included among others the following:</p> <p>High workload Poor time management Poor health Family problems (e.g. death of family member)</p> <p>Academic support for 15 students who performed badly in tutorials, assignments and monthly tests written was sourced within their institutions as a measure to mitigate the high failure rate. An analysis of bursary holders who attended extra tutoring and mentorship programme is provided in Table 7)</p> <p>Database of students who needed work and experiential training was created</p> <p>Profiles of completing students were also captured in a database for circulation among potential employers for possible recruitment</p>
14 April	University of Pretoria		11		
19–21 April	University of Stellenbosch		31		
22 April	Eisenburg College  Cape Peninsula University of Technology		4  4		
04 May	Nelson Mandela Metropolitan University		12		

Date	Institution of learning visited	Purpose	No. of bursary holders attended	Duration of meetings in hours	Outcomes of meetings
19 May	University of Free State		6		
25 May	University of Fort Hare		5		
26 May	Rhodes University		1		
25–26 Aug.	University of Free State	To review first semester academic performance	6	2	The half-yearly results for each student were analysed. Those who performed well were congratulated and encouraged to work harder
	Grootfontein Agricultural Development Institute	To source extra tutoring and mentoring for students who performed poorly	37	4	Academic support for students who performed poorly in the half-yearly examinations was sourced within their institutions as indicated in Table 7
13–15 Sep.	University of KwaZulu-Natal (Howard and Pietermaritzburg campus)	To prepare for end-of-year examinations	28	4	Bursary holders were given hints and tips to help prepare them for end-of-year examination
06 Oct.	Cape Peninsula University of Technology		5	2	
07 Oct.	University of Stellenbosch		30	4	
08 Oct.	Nelson Mandela Metropolitan University		12	2	

### 3.4 Sourcing of academic support for bursary holders

The Bursary Student Counsellor collaborated with faculties, lecturers and student counselling and academic support structures within the institutions to help bursary holders to cope with difficulties in their studies. Based on the analysis of academic performance compiled during monitoring visits, 15 students were identified as potential high-risk failures. Of this total, three were B.Sc. Bioresource Engineering and four B.Sc. Agricultural Economics students from the University of KwaZulu-Natal. Academic support in the form of mentorships and extra tutoring was sourced to help improve their academic success.

An analysis is given in Table 7.

TABLE 7: Analysis of bursary holders who received academic support [ $n = 15$ ]

Name of institution	No. attending	Fields of study	Level of study	Modules attended	Impact of the mentorship and extra tutoring programme	
					No. passed	No. failed
University of Stellenbosch	1	B.Sc. Viticulture and Oenology (third-year student)	3rd year	Biochemistry	0	1
	1	B.Sc. Food Science	2nd year	Biochemistry	1	0
	1	B.Sc. Forestry (third-year student)	2nd year	Forest Science Soil Science	0	1
University of KwaZulu-Natal	1	B.Sc. Bioresource Engineering (first-year student)	1st year	Mathematics Applied Mathematics Physics	0	1
	3	B.Sc. Agricultural Engineering (senior year students)	1st year	Structures Thermodynamics Irrigation Engineering	3	0
	4	B.Sc. Agric. Economics (senior year students)	2nd–3rd year	Accounting Farm Management Principles of Macroeconomics	4	0
	1	B.Sc. Plant Pathology (first-year student)	1st year	Biology Chemistry Physics	1	0
University of Pretoria	2	B.Sc. Food Science (first-year student)	1st year	Mathematics Biometry Chemistry	1	1
	1	B.Sc. Animal Science	2nd year	Physics Chemistry	0	1

Table 7 shows that 15 bursary holders benefitted from academic support sourced with the universities of Stellenbosch, KwaZulu-Natal and Pretoria. Extra classes were conducted between 16:00 and 18:00 from Tuesday to Thursday at the University of Stellenbosch and between 10:00 and 16:00 from Monday to Thursday during free periods for students at the University of KwaZulu-Natal. Out of the 15 bursary holders who attended extra tutoring classes, 10 managed to pass their end-of-year examinations and five failed. The table further indicates that three senior and two first-year level students failed their end-of-year examinations despite extra tutoring and mentoring.

#### 4. PERFORMANCE OF BURSARY HOLDERS FOR 2010

##### 4.1 Analysis of performance of all bursary holders

The purpose of analysing the results is to measure the academic performance of bursary holders as well as the success rate of the bursary scheme. The performance of bursary holders is analysed on the basis of individual students' results as received from the academic institutions. A report indicating that a learner qualifies to proceed to the next level of study is used as a measurement of the learner's performance.

TABLE 8: Breakdown of performance of all 2010 bursars per fields of study [ $n = 227$ ]

Field of study	No. passed	% passed	No. failed	% failed	Total
B.V.Sc.	21	87,5	3	12,5	24
B.Sc. Viticulture and Oenology	4	80	1	20	5
B. Agric. Viticulture	4	100	0	0	4
B.Sc. Bioresource Engineering	19	95	1	5	20
B.Sc. Agric. Economics	18	100	0	0	18

Field of study	No. passed	% passed	No. failed	% failed	Total
B.Com. Agric. Business Management	1	100	0	0	1
B.Sc. Biotechnology	4	100	0	0	4
B.Sc. Food Science	10	90,9	1	9,1	11
B.Sc. Genetics	0	0	1	100	1
B.Sc. Animal Science	1	100	0	0	1
B.Sc. Plant Pathology	1	100	0	0	1
B.Sc. Soil Science	2	100	0	0	2
B.Sc. Pasture Science	2	100	0	0	2
B.Sc. Forestry	16	94,1	1	5,9	17
B.Sc. Wood Science	2	100	0	0	2
B.Sc. Geology Science	1	100	0	0	1
Nat. Dipl. Forestry	14	93,3	1	6,7	15
Nat. Dipl. Agric. Management	0	0,0	1	100	1
Nat. Dipl. Food Technology	10	100	0	0	10
Dipl. in Agriculture	38	97,4	1	2,6	39
National Senior Certificate	33	100	0	0	33
B.Tech. Food Technology	1	100	0	0	1
B.Tech. Food and Consumer Science	1	100	0	0	1
B.Tech. Forestry	3	100	0	0	3
B.Sc. Animal Nutrition (Hons)	0	0	1	100	1
B.Sc. Environmental Management (Hons)	1	100	0	0	1
M.Sc. Agricultural Plant Protection	1	100	0	0	1
M.Sc. Ichthyology and Fisheries Science	1	100	0	0	1
M.Sc. Botany	1	100	0	0	1
M.Sc. Food Science	3	100	0	0	3
M.Sc. Pasture Science	1	100	0	0	1
Ph.D. Agric. Economics	1	100	0	0	1
<b>Total</b>	<b>215</b>	<b>94,7</b>	<b>12</b>	<b>5,3</b>	<b>227</b>

Table 8 indicates that out of 235 bursary holders for 2010, 227 wrote their end-of-year examinations. Of this total, 215 (94,7%) passed their end-of-year examinations, while 12 (5,3%) failed.

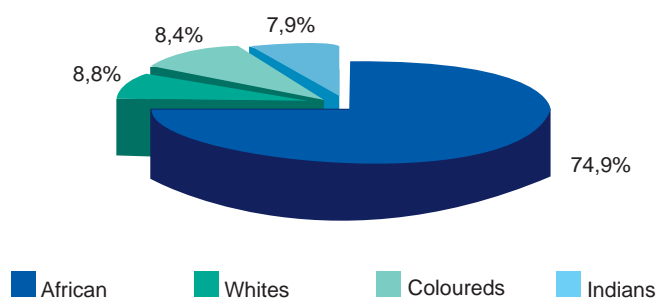
TABLE 9: Analysis of bursars who passed their 2010 end-of-year examinations per race and gender [ $n = 215$ ]

Field of study	Race								Gender				Total
	African		Coloured		Indian		White		Male		Female		
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	
B.V.Sc.	5	23,8	3	14,3	11	52,4	2	9,5	4	19	17	81	21
B.Sc. Viticulture and Oenology	4	100	0	0	0	0	0	0	3	75	1	25	4
B.Agric. Viticulture	1	25	2	50	1	25	0	0	2	50	2	50	4
B.Sc. Bioresource Engineering	14	73,7	0	0	4	21,1	1	5,3	11	57,9	8	42,1	19
B.Sc. Agric. Economics	16	88,9	1	5,6	1	5,6	0	0	10	55,6	8	44,4	18
B.Com. Agric. Business Management	1	100	0	0	0	0	0	0	0	0	1	100	1
B.Sc. Biotechnology	4	100	0	0	0	0	0	0	0	0	4	100	4
B.Sc. Food Science	10	100	0	0	0	0	0	0	5	50	5	50	10
B.Sc. Animal Science	1	100	0	0	0	0	0	0	1	100	0	0	1
B.Sc. Plant Pathology	0	0	0	0	1	100	0	0	0	0	1	100	1
B.Sc. Soil Science	2	100	0	0	0	0	0	0	1	50	1	50	2
B.Sc. Pasture Science	2	100	0	0	0	0	0	0	2	100	0	0	2

Field of study	Race								Gender				Total
	African		Coloured		Indian		White		Male		Female		
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	
B.Sc. Forestry	7	43,8	3	18,7	0	0	6	37,5	11	68,7	5	31,3	16
B.Sc. Wood Science	1	50	0	0	0	0	1	50	2	100	0	0	2
B.Sc. Geology Science	0	0	0	0	0	0	1	100	1	100	0	0	1
Nat. Dipl. Forestry	12	85,7	0	0	0	0	2	14,3	9	64,3	5	35,7	14
Nat. Dipl. Food Technology	8	80	2	20	0	0	0	0	5	50	5	50	10
Dipl. in Agriculture	31	81,6	7	18,4	0	0	0	0	26	68,4	12	31,6	38
National Senior Certificate	29	87,9	0	0	0	0	4	12,1	12	36,4	21	63,6	33
B.Tech. Food Technology	1	100	0	0	0	0	0	0	0	0	1	100	1
B.Tech. Food and Consumer Science	1	100	0	0	0	0	0	0	0	0	1	100	1
B.Tech. Forestry	3	100	0	0	0	0	0	0	2	66,7	1	33,3	3
B.Sc. Environmental Management (Hons)	1	100	0	0	0	0	0	0	1	100	0	0	1
M.Sc. Agricultural Plant Protection	1	100	0	0	0	0	0	0	0	0	1	100	1
M.Sc. Ichthyology and Fisheries Science	1	100	0	0	0	0	0	0	0	0	1	100	1
M.Sc. Botany	1	100	0	0	0	0	0	0	0	0	1	100	1
M.Sc. Food Science	2	66,7	1	33,3	0	0	0	0	3	100	0	0	3
M.Sc. Pasture Science	1	100	0	0	0	0	0	0	1	100	0	0	1
Ph.D. Agric. Economics	1	100	0	0	0	0	0	0	0	0	1	100	1
<b>Total</b>	<b>161</b>	<b>74,9</b>	<b>19</b>	<b>8,8</b>	<b>18</b>	<b>8,4</b>	<b>17</b>	<b>7,9</b>	<b>112</b>	<b>52,1</b>	<b>103</b>	<b>47,9</b>	<b>215</b>

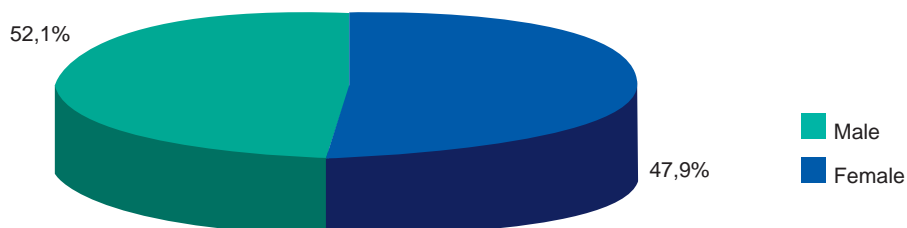
Table 9 provides the racial breakdown of bursary beneficiaries who passed their 2010 end-of-year examinations per field of study. The data reflected in the table indicates that 161 Africans (74,9%), 19 coloureds (8,8%), 18 Indians (8,4%) and 17 whites (7,9%) passed their final examinations.

GRAPH 5: Breakdown of all bursary holders who passed their 2010 end-of-year examinations in terms of race [n = 215]



In terms of race, Graph 5 above shows that 74,9% of the beneficiaries who passed were Africans. The other racial groups make up the remaining 25,1%.

GRAPH 6: Breakdown of all bursary holders who passed their 2010 end-of-year examinations in terms of gender [n = 215]





The gender graph on the previous page demonstrates that 47,9% of the beneficiaries who passed were females and 52,1% were males.

TABLE 10: Analysis of bursary holders who failed their 2010 end-of-year examinations in terms of race and gender [n = 12]

Field of study	Race								Gender				Total
	African		Coloured		Indian		White		Male		Female		
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	
B.V.Sc.	1	33,3	0	0	2	66,7	0	0	1	33,3	2	66,7	3
B.Sc. Viticulture and Oenology	1	100	0	0	0	0	0	0	0	0	1	100	1
B.Sc. Bioresource Engineering	1	100	0	0	0	0	0	0	0	0	1	100	1
B.Sc. Food Science	1	100	0	0	0	0	0	0	0	0	1	100	1
B.Sc. Genetics	1	100	0	0	0	0	0	0	0	0	1	100	1
B.Sc. Forestry	0	0	1	100	0	0	0	0	0	0	1	100	1
Nat. Dipl. Forestry	1	100	0	0	0	0	0	0	1	100	0	0	1
Nat. Dipl. Agric. Management	1	100	0	0	0	0	0	0	1	100	0	0	1
Dipl. in Agriculture	1	100	0	0	0	0	0	0	1	100	0	0	1
B.Sc. Animal Nutrition (Hons)	1	100	0	0	0	0	0	0	1	100	0	0	1
<b>Total</b>	<b>9</b>	<b>75</b>	<b>1</b>	<b>8,3</b>	<b>2</b>	<b>16,7</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>41,7</b>	<b>7</b>	<b>58,3</b>	<b>12</b>

Table 10 shows that 12 bursary beneficiaries failed their end-of-year examinations. Of these, nine (75,0%) were Africans, one (8,3%) was coloured and two (16,7%) were Indians. The highest number (3) was recorded in B.V.Sc.

TABLE 11: Analysis of the 2010 performance of all bursary holders per institution of higher learning [n = 227]

Institution	No. passed	% passed	No. failed	% failed	Total
University of Pretoria	30	85,7	5	14,3	35
University of Stellenbosch	30	93,8	2	6,3	32
University of Kwazulu-Natal	36	97,3	1	2,7	37
University of Witwatersrand	1	100	0	0	1
University of Free State	6	85,7	1	14,3	7
University of Fort Hare	5	100	0	0	5
University of Limpopo	1	100	0	0	1
University of South Africa	1	100	0	0	1
Rhodes University	1	100	0	0	1
Tshwane University of Technology	5	83,3	1	16,7	6
Cape Peninsula University of Technology	5	100	0	0	5
Durban University of Technology	2	100	0	0	2
Metropolitan University of Technology	17	94,4	1	5,6	18
Elsenburg College	4	100	0	0	4
Grootfontein Agricultural Development Institute	38	97,4	1	2,6	39
High Schools	33	100	0	0	33
<b>Total</b>	<b>215</b>	<b>94,7</b>	<b>12</b>	<b>5,3</b>	<b>227</b>

Table 11 shows that 215 bursary holders passed their end-of-year examinations and 12 failed. The highest failure rate was recorded at the University of Pretoria (5), followed by the University of Stellenbosch (2) and other institutions recorded one failure each.

#### 4.2 Analysis of discontinuation of studies for 2010 bursary holders

Despite the comprehensive academic support given to bursary holders in 2010, nine students discontinued their studies as shown in Table 12.

TABLE 12: Analysis of exclusion and discontinuation of studies by bursary holders for the 2010 academic year  
[n = 8]

Field of study	No. excluded from studies: poor performance	No. terminated: mental and psychological problems	Total discontinued studies
Dipl. in Agriculture	3	0	3
Nat. Dipl. Food Technology	2	0	2
B.Sc. Bioresource Engineering	1	1	2
B.Sc. Food Science	0	1	1
<b>Total</b>	<b>6</b>	<b>2</b>	<b>8</b>

Table 12 shows that three Diploma in Agriculture bursars from Grootfontein Agricultural Development Institute were excluded from studies in the second semester because of poor academic performance. Two National Diploma: Food Technology students from Cape Peninsula University of Technology and one B.Sc. Bioresource Engineering from the University of KwaZulu-Natal was excluded from studies in the second semester because of poor academic performance. The table further indicates that one B.Sc. Bioresource Engineering student from the University of KwaZulu-Natal and one B.Sc. Food Science student from the University of Pretoria terminated studies due to severe mental and psychological problems.

## 5. ANALYSIS OF BURSARY HOLDERS WHO COMPLETED THEIR STUDIES IN 2010

The major success indicator of the External Bursary Scheme is the number of bursary holders who successfully complete their studies and secure relevant employment. During the 2010 academic year, 45 bursary holders successfully completed their studies. An analysis of those who completed is given below.

TABLE 13: Analysis of bursary holders who completed their studies per field of study, race and gender in 2010  
[n = 45]

Field of study	Race								Gender				Total
	African		Coloured		Indian		White		Male		Female		
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	
B.V.Sc.	3	42,9	0	0	2	28,6	2	28,6	2	28,6	5	71,4	7
B.Sc. Viticulture and Oenology	1	100	0	0	0	0	0	0	1	100	0	0	1
B.Sc. Bioresource Engineering	4	57,1	0	0	3	100	0	0	6	85,7	1	14,3	7
B.Sc. Animal Science	1	100	0	0	0	0	0	0	1	100	0	0	1
B.Sc. Agric. Economics	1	100	0	0	0	0	0	0	1	100	0	0	1
B.Sc. Biotechnology	1	100	0	0	0	0	0	0	0	0	1	100	1
B.Sc. Food Science	2	100	0	0	0	0	0	0	1	50	1	50	2
B.Sc. Forestry	1	50	0	0	0	0	1	50	2	100	0	0	2
B.Sc. Geology Science	0	0	0	0	0	0	1	100	1	100	0	0	1
B.Sc. Wood Science	0	0	0	0	0	0	1	100	1	100	0	0	1
Nat. Dipl. Food Technology	3	75	1	25	0	0	0	0	1	25	3	75	4
Nat. Dipl. Forestry	5	83,3	0	0	0	0	1	16,7	3	50	3	50	6
B.Tech. Food Technology	1	100	0	0	0	0	0	0	0	0	1	100	1
B.Tech. Forestry	2	100	0	0	0	0	0	0	2	100	0	0	2
Dipl. in Agriculture	2	50	2	50	0	0	0	0	2	50	2	50	4
M.Sc. Pasture Science	1	100	0	0	0	0	0	0	1	100	0	0	1
M.Sc. Food Science	2	66,7	1	33,3	0	0	0	0	3	100	0	0	3
<b>Total</b>	<b>30</b>	<b>66,7</b>	<b>4</b>	<b>8,9</b>	<b>5</b>	<b>11,1</b>	<b>6</b>	<b>13,3</b>	<b>28</b>	<b>62,2</b>	<b>17</b>	<b>37,8</b>	<b>45</b>

Table 13 indicates that 45 bursary beneficiaries, including postgraduate and undergraduate students, successfully completed their studies in 2010. In terms of racial breakdown, 30 (66,7%) of the beneficiaries were Africans, four (8,9%) were coloureds, five (11,1%) were Indians and six (13,3%) were whites. In terms of gender, 28 males (62,2%) and 17 females (37,8%) completed their studies. The highest

number of completion was recorded in B.V.Sc. with seven, followed by B.Sc. Bioresource Engineering and the National Diploma in Forestry with six beneficiaries each.

TABLE 14: Analysis of the employment status of bursary holders who completed their studies per field of study, race and gender as at 31/03/2011 [ $n = 45$ ]

Field of study	Race				Gender		Total	Current status			
	African	Coloured	Indian	White	Male	Female		Employed	Unemployed	Company/ organisation	No. further- ing studies (postgradu- ate)
	No.	No.	No.	No.	No.	No.		No.	No.	Name	
B.V.Sc.	3	0	2	2	2	5	7	7	0	Escort Veterinary Clinic, Pietermaritzburg; Department of Agriculture, Forestry and Fisheries (4); Hillcrest Veterinary Clinic, Durban; Potchefstroom Veterinary Clinic, Potchefstroom	
B.Sc. Viticulture and Oenology	1	0	0	0	1	0	1	1	0	DAFF Internship Programme	
B.Sc. Bioresource Engineering	4	0	3	0	6	1	7	7	0	Department of Agriculture, Forestry and Fisheries	
B.Sc. Agric. Economics	1	0	0	0	1	0	1	1	0	DAFF Internship Programme	
B.Sc. Biotechnology	1	0	0	0	0	1	1	0	0		1
B.Sc. Food Science	2	0	0	0	1	1	2	0	0		2
B.Sc. Animal Science	1	0	0	0	1	0	1	1	0	DAFF Internship Programme	
B.Sc. Forestry Science	1	0	0	1	2	0	2	1	0	DAFF Internship Programme	1
B.Sc. Geology Science	0	0	0	1	1	0	1	0	0		1
B.Sc. Wood Science	0	0	0	1	1	0	1	0	0		1
Nat. Dipl. Food Technology	3	1	0	0	1	3	4	3	0	DAFF Internship Programme; Tiger Brands, Johannesburg	1
Nat. Dipl. Forestry	5	0	0	1	3	3	6	3		DAFF Internship Programme	3
B.Tech. Food Technology	1	0	0	0	0	1	1	0	0		1
B.Tech. Forestry	2	0	0	0	2	0	2	2	0	DAFF Internship Programme	
Dipl. in Agriculture	2	2	0	0	2	2	4	2	1	DAFF Internship Programme	1
M.Sc. Food Science	2	1	0	0	3	0	3	3	0	DAFF Internship Programme; Lake International Technologies, Sandton; Westfalia Fruit Estate, Tzaneen	
M.Sc. Pasture Science	1	0	0	0	1	0	1	0	0		1
<b>Total</b>	<b>30</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>28</b>	<b>17</b>	<b>45</b>	<b>31</b>	<b>1</b>		<b>13</b>

Table 14 indicates the employment status, as at 31 March 2011, of bursary holders who completed their studies at the end of the 2010 academic year. Out of 45 bursary holders who completed their studies 31 secured employment, one did not secure employment and 13 furthered their studies (postgraduate).

## 6. ANALYSIS OF LEVEL OF STUDY OF THE 2010 BURSARY HOLDERS

The following table shows the analysis of level of study of bursary holders against the total duration of the course.

TABLE 15: Analysis of the level of study of the 2010 bursary holders [ $n = 235$ ]

Field of study	Year of study				Total	Total duration
	1	2	3	4		
B.V.Sc.	2	12	9	1	24	4
B.Sc. Bioresource Engineering	5	4	4	9	22	4
B.Sc. Viticulture and Oenology	2	0	1	2	5	4
B.Agric. Viticulture	2	1	1	0	4	3
B.Sc. Agric. Economics	0	8	7	3	18	4
B.Sc. Biotechnology	0	1	2	1	4	3
B.Sc. Food Science	2	3	6	1	12	4
B.Sc. Forestry	0	7	6	4	17	4
B.Sc. Plant Pathology	1	0	0	0	1	4
B.Sc. Soil Science	1	0	1	0	2	4
B.Sc. Geology Science	0	0	0	1	1	4
B.Sc. Pasture Science	0	2	0	0	2	4
B.Sc. Wood Science	0	1	0	1	2	4
B.Sc. Animal Genetics	0	1	0	0	1	4
B.Sc. Animal Science	0	0	0	1	1	4
B.Com. Agri-business Management	1	0	0	0	1	4
Nat. Dipl. Forestry	0	6	9	0	15	3
Nat. Dipl. Food Technology	0	6	6	0	12	3
Nat. Dipl. Agric. Management	0	1	0	0	1	3
Dipl. in Agriculture	19	14	9	0	42	3
National Senior Certificate	33	0	0	0	33	1
B.Tech. Food Technology	1	0	0	0	1	2
B.Tech. Food and Consumer Science	1	0	0	0	1	2
B.Tech. Forestry	0	3	0	0	3	2
B.Sc. Animal Nutrition (Hons)	0	1	0	0	1	1
B.Sc. Environmental Management (Hons)	0	1	0	0	1	1
M.Sc. Botany	0	1	0	0	1	2
M.Sc. Food Science	0	3	0	0	3	2
M.Sc. Ichthyology and Fisheries Management	0	1	0	0	1	2
M.Sc. Pasture Science	0	1	0	0	1	2
M.Sc. Plant Protection	0	1	0	0	1	2
Ph.D. Agric. Economics	1	0	0	0	1	3
<b>Total</b>	<b>71</b>	<b>79</b>	<b>61</b>	<b>24</b>	<b>235</b>	

Table 15 shows that 71 bursary beneficiaries were registered at first-year level, 79 at second-year level, 61 at third-year level and 24 at fourth-year level.

## 7. REVENUE AND EXPENDITURE FOR 2010

The budget of the scheme for the 2010 academic year was R10,3 million. R8,5 million was transferred and administered by NSFAS and R1,8 million was kept within the budget of the Directorate: Education, Training and Extension Services to pay agricultural colleges and high schools directly since they are not part of the broad mandate of NSFAS.

TABLE 16: Revenue and expenditure for 2010

Revenue	Total (R)
Balance brought forward from 2009	5 210 310,00
Interest earned	49 756,00
Bursary budget for 2010 academic year	10 300 000,00
<b>Total opening balance for 2010 academic year</b>	<b>15 560 066,00</b>
<b>Total bursary expenditure for 2010 academic year</b>	<b>10 327 758,94</b>
<b>Balance carried over to 2011</b>	<b>4 834 141,39</b>

Table 16 shows that an amount of R5 210 310,00 was brought forward from the 2009 academic year and R49 756,00 was received in the form of interest. The total budget available for the 2010 academic year was R15 560 066,00. The total expenditure with regard to payment of fees for the 2010 bursary holders is R10 327 758,94. The table further shows that R4 834 141,39 will be carried over to be utilised during the 2011 academic year.

TABLE 17: Analysis of expenditure according to fields of study registered by all bursary holders for 2010 [ $n = 235$ ]

Field of study	Race				Total (R)
	African	Coloured	Indian	White	
	Amount (R)	Amount (R)	Amount (R)	Amount (R)	
B.V.Sc.	478 070,00	234 590,00	1 020 980,00	161 380,00	1 895 020,00
B.Sc. Bioresource Engineering	978 73,00	0,00	147 877,00	69 248,00	1 195 898,00
B.Sc. Viticulture and Oenology	342 893,00	0,00	0,00	0,00	342 893,00
B.Agric. Viticulture	45 425,00	85 875,00	42 725,00	0,00	174 025,00
B.Sc. Agric. Economics	1 028 077,00	0,00	40 898,00	0,00	1 068 975,00
B.Sc. Biotechnology	233 019,00	0,00	0,00	0,00	233 019,00
B.Sc. Food Science	804 902,00	0,00	0,00	0,00	804 902,00
B.Sc. Forestry	442 671,00	165 351,00	68 085,00	402 483,00	1 078 590,00
B.Sc. Plant Pathology	0,00	0,00	49 804,00	0,00	49 804,00
B.Sc. Soil Science	108 450,00	0,00	0,00	0,00	108 450,00
B.Sc. Geology Science	0,00	0,00	0,00	63 103,00	63 103,00
B.Sc. Pasture Science	102 166,00	0,00	0,00	0,00	102 166,00
B.Sc. Wood Science	62 525,00	0,00	0,00	65 915,00	128 440,00
B.Sc. Animal Genetics	52 200,00	0,00	0,00	0,00	52 200,00
B.Sc. Animal Science	72 700,00	0,00	0,00	0,00	72 700,00
B.Com. Agri-Business Management	68 405,00	0,00	0,00	0,00	68 405,00
Nat. Dipl. Forestry	464 670,00	0,00	0,00	66 270,00	530 940,00
Nat. Dipl. Food Technology	304 200,94	53 795,00	0,00	0,00	357 995,94
Nat. Dipl. Agric. Management	53 680,00	0,00	0,00	0,00	53 680,00
Dipl. in Agriculture	1 049 936,00	152 064,00	0,00	0,00	1 202 000,00
National Senior Certificate	367 832,00	0,00	0,00	51 050,00	418 882,00
B.Tech. Food Technology	25 278,00	0,00	0,00	0,00	25 278,00
B.Tech. Food and Consumer Science	9 945,00	0,00	0,00	0,00	9 945,00
B.Tech. Forestry	107 960,00	0,00	0,00	0,00	107 960,00
B.Sc. Animal Nutrition (Hons)	19 502,00	0,00	0,00	0,00	19 502,00
B.Sc. Environmental Management (Hons)	11 396,00	0,00	0,00	0,00	11 396,00
M.Sc. Botany	650,00	0,00	0,00	0,00	650,00
M.Sc. Food Science	48 319,00	40 000,00	0,00	0,00	88 319,00
M.Sc. Ichthyology	12 010,00	0,00	0,00	0,00	12 010,00
M.Sc. Pasture Science	15 915,00	0,00	0,00	0,00	15 915,00

Field of study	Race				Total (R)
	African	Coloured	Indian	White	
	Amount (R)	Amount (R)	Amount (R)	Amount (R)	
M.Sc. Plant Protection	11 946,00	0,00	0,00	0,00	11 946,00
Ph.D. Agric. Economics	22 750,00	0,00	0,00	0,00	22 750,00
<b>Total</b>	<b>7 346 265,94</b>	<b>731 675,00</b>	<b>1 370 369,00</b>	<b>879 449,00</b>	<b>10 327 758,94</b>

Table 17 shows that R10 327 758,94 was spent on the 2010 bursary beneficiaries. The highest expenditure of R1 895 020,00 was recorded for B.V.Sc.

TABLE 18: Analysis of the 2010 expenditure for all bursary holders according to gender [ $n = 235$ ]

Field of study	Male: Amount (R)	Female: Amount (R)	Total (R)
B.V.Sc.	318 070,00	1 576 950,00	1 895 020,00
B.Sc. Bioresource Engineering	671 713,00	524 185,00	1 195 898,00
B.Sc. Viticulture and Oenology	193 177,00	149 716,00	342 893,00
B.Agric. Viticulture	88 150,00	85 875,00	174 025,00
B.Sc. Agric. Economics	591 383,00	477 592,00	1 068 975,00
B.Sc. Biotechnology	0,00	233 019,00	233 019,00
B.Sc. Food Science	399 435,00	405 467,00	804 902,00
B.Sc. Forestry	674 870,00	403 720,00	1 078 590,00
B.Sc. Plant Pathology	0,00	49 804,00	49 804,00
B.Sc. Soil Science	48 105,00	60 345,00	10 8450,00
B.Sc. Geology Science	63 103,00	0	63 103,00
B.Sc. Pasture Science	102 166,00	0,00	1 021 66,00
B.Sc. Wood Science	128 440,00	0,00	128 440,00
B.Sc. Genetics	0,00	52 200,00	52 200,00
B.Sc. Animal Science	72 700,00	0,00	72 700,00
B.Com. Agri-business Management	0,00	68405	68 405,00
Nat. Dipl. Forestry	246 610,00	284 330,00	530 940,00
Nat. Dipl. Food Technology	190 564,00	167431,94	357 995,94
Nat. Dipl. Agric. Management	53 680,00	0,00	53 680,00
Dipl. in Agriculture	739 108,00	462 892,00	1 202 000,00
National Senior Certificate	116 995,00	301 887,00	418 882,00
B.Tech. Food Technology	0,00	25 278,00	25 278,00
B.Tech. Food and Consumer Science	0,00	9 945,00	9 945,00
B.Tech. Forestry	79 460,00	28 500,00	107 960,00
B.Sc. Animal Nutrition (Hons)	19 502,00	0,00	19 502,00
B.Sc. Environmental Management (Hons)	11 396,00	0,00	11 396,00
M.Sc. Botany	0,00	650,00	650,00
M.Sc. Food Science	88 319,00	0,00	88 319,00
M.Sc. Ichthyology and Fisheries Sciences	12 010,00	0,00	12 010,00
M.Sc. Pasture Science	15 915,00	0,00	15 915,00
M.Sc. Plant Protection	0,00	11 946,00	11 946,00
Ph.D. Agric. Economics	0,00	22 750,00	22 750,00
<b>Total</b>	<b>4 924 871,00</b>	<b>5 402 887, 94</b>	<b>10 327 758,94</b>

Table 18 shows that the bursary expenditure was R5 402 887,94 for female beneficiaries and R4 924 871,00 for males.

TABLE 19: Breakdown of the 2010 expenditure for all bursary holders according to institutions [*n* = 235]

Institution	No. of awards	Amount spent (R)
Alexandra College	3	26 500,00
Cape Peninsula University of Technology	8	164 982,00
Durban University of Technology	2	110 460,00
Elsenburg College of Agriculture	4	174 025,00
PH Moeketsi Agric. School	2	30 000,00
Phandulwazi Agric. High School	2	30 000,00
Oakdale Agricultural High School	2	30 000,00
Unicorn Agric. High School	2	30 000,00
Northern Cape High School	2	30 000,00
Kuschke Agricultural High School	2	23 990,00
Morgenzon Landbou Akademie	2	21 050,00
Greytown	1	15 000,00
Grootfontein College of Agriculture	42	1 202 000,00
Heritage Academy	2	30 000,00
University of Limpopo	1	11 946,00
Linpark High	1	9 500,00
Marion High School	3	27 020,00
Northern Cape Agricultural High School	5	75 000,00
Pietermaritzburg Girls High School	1	10 822,00
Rhodes University	1	12 010,00
University of Pretoria	36	2 642 515,00
Nelson Mandela Metropolitan University	18	638 900,00
St Nicholas Diocesan High	1	15 000,00
Maritzburg Boys High College	1	15 000,00
University of Fort Hare	5	188 006,00
Tshwane University of Technology	6	173 388,94
University of Stellenbosch	32	2 038 902,00
University of KwaZulu-Natal	39	2 241 937,00
University of South Africa	1	11 396,00
University of the Free State	7	253 270,00
University of the Witwatersrand	1	75 139,00
<b>Total</b>	<b>235</b>	<b>10 327 758,94</b>

The table above shows that the total expenditure incurred at various institutions was R10 327 758,94. The highest expenditure recorded was R2 642 515,00 at the University of Pretoria, followed R2 241 937,00 at the University of KwaZulu-Natal and R2 038 902,00 at the University of Stellenbosch.

## 8. SUMMARY OF THE BENEFICIARIES OF THE EXTERNAL BURSARY SCHEME FROM 2004 TO 2010

The tracking of all bursary beneficiaries who participated and benefitted from the External Bursary Scheme is of critical importance for measuring the success of the scheme. A database of all the bursary holders who completed their studies has been developed and it is updated annually during the month of April. The table below gives an analysis of bursary holders who benefitted from the scheme from its inception in 2004 to 2010.

TABLE 20: Summary of beneficiaries of the External Bursary Scheme from 2004 to 2010 [n = 873]

Field of study	Year							Total
	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11	
B.V.Sc.	18	16	7	6	6	9	4	66
B.Sc. Viticulture and Oenology	12	6	7	3	9	1	2	40
B.Agric. Viticulture	10	9	2	1	3	1	2	28
B.Sc. Bioresource Engineering	4	8	9	8	8	5	6	48
B.Sc. Agric. Economics	0	10	7	3	19	10	0	49
B.Com. Agric. Economics	0	0	0	0	0	0	1	1
B.Sc. Biotechnology	0	0	1	6	10	0	0	17
B.Sc. Food Science	0	4	3	3	6	6	3	25
B.Sc. Genetics	0	0	0	0	0	1	0	1
B.Sc. Plant Pathology	0	0	0	0	0	0	1	1
B.Sc. Soil Science	0	0	0	0	0	0	2	2
B.Sc. Pasture Science	0	0	3	0	0	0	2	5
B.Sc. Forestry	0	0	0	0	0	0	17	17
B.Sc. Wood Science	0	0	0	0	0	0	2	2
B.Sc. Geology Science	0	0	0	0	0	0	1	1
Nat. Dipl. Forestry	0	0	0	0	0	0	15	15
Nat. Dipl. Agric. Management	0	0	0	0	0	1	0	1
Nat. Dipl. Food Technology	0	0	0	0	7	8	0	15
Nat. Dipl. Veterinary Technology	6	0	0	0	0	0	0	6
Dipl. in Agriculture	7	4	10	11	10	24	22	88
National Senior Certificate	60	11	45	60	1	0	14	191
Agri-management Development Programme	0	24	35	24	24	30	0	137
B.Tech. Food Technology	5	6	6	2	2	6	1	28
B.Tech. Food Consumer Science	5	0	0	0	0	0	1	6
B.Tech. Agric Management	0	0	0	0	0	1	0	1
B.Tech. Engineering	0	6	0	0	0	1	0	7
B.Tech. Forestry	0	0	0	0	0	0	3	3
Honours	0	4	2	2	7	8	0	23
M.Tech. Food Technology	0	1	0	1	1	0	0	3
Masters	0	13	9	5	5	10	0	42
Ph.D.	0	2	1	0	0	0	1	4
<b>Total beneficiaries</b>	<b>127</b>	<b>124</b>	<b>147</b>	<b>135</b>	<b>118</b>	<b>122</b>	<b>100</b>	<b>873</b>
<b>Total completed</b>	<b>5</b>	<b>38</b>	<b>80</b>	<b>73</b>	<b>63</b>	<b>62</b>	<b>45</b>	<b>366</b>
<b>Total expenditure in Rand</b>	<b>2 912 535,00</b>	<b>4 103 960,00</b>	<b>8 385 715,00</b>	<b>8 919 300,00</b>	<b>10 510 734,00</b>	<b>10 277 537,00</b>	<b>10 327 758,94</b>	<b>55 437 540,64</b>

Table 20 indicates that 873 bursary holders benefitted from the scheme from its inception in 2004 and 366 successfully completed their studies. The table further shows that the highest number of beneficiaries was recorded in the following fields of study: National Senior Certificate (191)—a programme in which learners are recruited with the objective of creating a pool that will follow scarce skills careers in agriculture, forestry and fisheries upon completion of their Grade 12 studies; Agri-management Development Programme (137)—a one-year generic course for entrepreneurial development; Diploma in Agriculture (88); B.Sc. Veterinary Science (66); B.Sc. Bioresource Engineering (48); B.Sc. Agricultural Economics (49); B.Sc. Viticulture and Oenology (40); Masters (42); and Ph.D. (4). The total amount spent on the implementation of the bursary scheme from 2004 to 2010 is R55 437 540,64.



## 9. SUMMARY OF THE EXTERNAL BURSARIES AWARDED BY PROVINCIAL DEPARTMENTS OF AGRICULTURE DURING THE 2010 ACADEMIC YEAR

### 9.1 Eastern Cape Department of Agriculture and Rural Development

TABLE 21: Breakdown of the end-of-year performance of bursary holders sponsored by the Eastern Cape Department of Agriculture and Rural Development in 2010 [ $n = 14$ ]

Field of study	No. wrote exams	No. passed	% passed	No. failed	% failed	Total
B.Sc. Horticulture	1	1	100	0	0	1
B.Sc. Agric. Economics	3	3	100	0	0	3
B.Sc. Animal Production	3	3	100	0	0	3
B.Sc. Soil Science	1	1	100	0	0	1
Nat. Dipl. Civil Engineering	4	4	100	0	0	4
B.V.Sc.	1	1	100	0	0	1
B.Sc. Entomology	1	1	100	0	0	1
<b>Total</b>	<b>14</b>	<b>14</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>14</b>

The table above indicates that fourteen (14) bursary holders benefited from the bursaries sponsored by Eastern Cape Department of Agriculture and Rural Development in 2010. All bursary holders passed their end-of-year examinations.

### 9.2 Limpopo Department of Agriculture

TABLE 22: Breakdown of the end-of-year performance of bursary holders sponsored by the Limpopo Department of Agriculture in 2010 [ $n = 47$ ]

Field of study	No. writing exams	No. passed	% passed	No. failed	% failed	Total
B.Sc. Agric. Economics	7	7	100	0	0	7
B.Sc. Agric. Engineering	2	1	50	1	50	2
B.Sc. Animal Health	10	10	100	0	0	10
B.Sc. Food Science	6	6	100	0	0	6
B.Sc. Civil Engineering	3	3	100	0	0	3
B.Sc. Agric. Horticulture	5	3	60	2	40	5
B.Sc. Pasture Science	5	5	100	0	0	5
B.Tech. Civil Engineering	3	3	100	0	0	3
Nat. Dipl. Civil Engineering	6	5	83	1	17	6
<b>Total</b>	<b>47</b>	<b>43</b>	<b>91</b>	<b>4</b>	<b>9</b>	<b>47</b>

Table 22 indicates that 47 bursary holders benefitted from the bursaries sponsored by the Limpopo Department of Agriculture in 2010. Of these, 43 (91,0%) passed their end-of-year examinations and nine (9,0%) failed.

### 9.3 Western Cape Department of Agriculture

TABLE 23: Breakdown of the end-of-year performance of bursary holders sponsored by the Western Cape Department of Agriculture in 2010 [ $n = 63$ ]

Field of study	No. writing exams	No. passed	% passed	No. failed	% failed	Total
B.A. Development Studies (Hons)	1	1	100	0	0	1
B.Inst. Agrar. (Hons)	2	2	100	0	0	2
B.A. Information	1	0	0	1	100	1
B.A. Social Science	1	1	100	0	0	1

Field of study	No. writing exams	No. passed	% passed	No. failed	% failed	Total
B.Agric. Administration	1	0	0	1	100	1
B. Business Science in Management (Economics)	1	1	100	0	0	1
B.Com. Economics and Statistics	1	1	100	0	0	1
B.Com. General	1	0	0	1	100	1
B.Com. Finance (Hons)	1	0	0	1	100	1
B.Sc. Agric.	4	3	75	1	25	4
B.Sc. Agricultural Economics	4	2	50	2	50	4
B.Sc. Biodiversity	1	1	100	0	0	1
B.Sc. Ecology	1	1	100	0	0	1
B.Sc. Soil Science	1	1	100	0	0	1
B.Sc. Microbiology	1	1	100	0	0	1
B.Sc. Veterinary Biology	5	5	100	0	0	5
B.Tech. Agricultural Management	1	1	100	0	0	1
B.Tech. Internal Auditing	1	1	100	0	0	1
B.Tech. Food Technology	1	1	100	0	0	1
B.Tech. Horticulture	1	1	100	0	0	1
B.V.Sc.	5	4	80	1	20	5
M.Com. Industrial Psychology	1	1	100	0	0	1
M.Sc. Agriculture	1	1	100	0	0	1
Nat. Dipl. Farm Management	3	2	66,7	1	33,3	3
Nat. Dipl. Agricultural Management	3	2	66,7	1	33,3	3
Nat. Dipl. Animal Health	1	1	100	0	0	1
Nat. Dipl. Civil Engineering	15	7	46,7	8	53,3	15
Nat. Dipl. Electrical Engineering	1	1	100	0	0	1
Nat. Dipl. Horticulture	1	1	100	0	0	1
Nat. Dipl. Internal Auditing	1	0	0	1	100	1
<b>Total</b>	<b>63</b>	<b>44</b>	<b>69,8</b>	<b>19</b>	<b>30,2</b>	<b>63</b>

Table 25 indicates that 63 bursary holders benefitted from the bursaries sponsored by the Western Cape Department of Agriculture in 2010. Of these, 44 (69,8%) passed their end-of-year examinations and 19 (30,2%) failed.

#### 9.4 Gauteng Department of Agriculture and Rural Development

TABLE 24: Breakdown of the end-of-year performance of bursary holders sponsored by the Gauteng Department of Agriculture in 2010 [ $n = 49$ ]

Field of study	No. writing exams	No. passed	% passed	No. failed	% failed	Total
B.Sc. Biotechnology	2	2	100	0	0	2
B.Sc. Biochemistry	6	6	100	0	0	6
B.Sc. Genetics	2	2	100	0	0	2
M.Sc. Plant Biotechnology	5	5	100	0	0	5
M.Sc. Health Biotechnology	3	3	100	0	0	3
M.Sc. Industrial Biotechnology	2	2	100	0	0	2
Nat. Dipl. Biotechnology	16	14	87,5	2	12,5	16
B.Tech. Biotechnology	13	13	100	0	0	13

Field of study	No. writing exams	No. passed	% passed	No. failed	% failed	Total
Total	49	47	95,9	2	4,1	49

Table 24, on the previous page, indicates that 49 bursary holders benefitted from the bursaries sponsored by the Gauteng Department of Agriculture and Rural Development in 2010. Of the total, 47 (95,9%) passed their end-of-year examinations and two (4,1%) failed.

## 9.5 Free State Department of Agriculture

TABLE 25: Breakdown of the end-of-year performance of bursary holders sponsored by the Free State Department of Agriculture in 2010 [ $n = 35$ ]

Field of study	No. wrote exams	No. passed	% passed	No. failed	% failed	Total
B.Com	1	1	100	0	0	1
B.Com Accounting	2	2	100	0	0	2
B.Sc.	1	1	100	0	0	1
B.Sc. Actuarial Science	1	1	100	0	0	1
B.Sc. Agric. Economics	3	3	100	0	0	3
B.Sc. Agric. Engineering	5	4	80	1	20	5
B.Sc. Food Science	1	0	0	1	100	1
B.Sc. Agric.	1	1	100	0	0	1
B.Sc. Financial Mathematics	1	1	100	0	0	1
B.Sc. Microbiology	2	1	50	1	50	2
B.V.Sc.	6	6	100	0	0	6
MBChB	2	2	100	0	0	2
Nat. Dipl. Building	1	1	100	0	0	1
Nat. Dipl. Civil Engineering	4	4	100	0	0	4
Nat. Dipl. Electrical Engineering	1	1	100	0	0	1
Nat. Dipl. Veterinary Technology	2	1	50	1	50	2
B.Sc. Viticulture and Oneology	1	1	100	0	0	1
Total	35	31	88,6	4	11,4	35

Table 25 indicates that 35 bursary holders benefitted from the bursaries sponsored by the Free State Department of Agriculture in 2010. Of the total of 35, altogether 31 (88,6%) passed their end-of-year examinations and four (11,4%) failed.

## 9.6 Mpumalanga Department of Agriculture, Rural Development and Land Administration

TABLE 26: Breakdown of the end-of-year performance of bursary holders sponsored by the Mpumalanga Department of Agriculture, Rural Development and Land Administration in 2010 [ $n = 140$ ]

Field of study	No. writing exams	No. passed	% passed	No. failed	% failed	Total
Hons Horticulture	1	0	0	1	100	1
B.V.Sc.	25	24	96	1	4	25
Nat. Dipl. Veterinary Nursing	5	5	100	0	0	5
Nat. Dipl. Vet. Technology	2	2	100	0	0	2
Nat. Dipl. Land Survey	2	2	100	0	0	2
Nat. Dipl. Extension and Rural Dev.	1	0	0	1	100	1
Nat. Dipl. Animal Health	3	3	100	0	0,0	3
Nat. Dipl. Civil Engineering	2	2	100	0	0,0	2
Nat. Dipl. Crop Science	6	6	100	0	0,0	6

Field of study	No. writing exams	No. passed	% passed	No. failed	% failed	Total
Nat. Dipl. Plant Production	28	16	57,1	12	42,9	28
Nat. Dipl. Mechanical Engineering	4	4	100	0	0,0	4
B.Sc. Agric. Engineering	4	4	100	0	0,0	4
B.Sc. Ichthyology (Aquaculture)	1	0	0	1	100	1
B.Sc. Animal Health	15	15	100	0	0	15
B.Sc. Animal Science	10	10	100	0	0	10
B.Sc. Civil Engineering	3	3	100	0	0	3
B.Sc. Land Surveying	2	2	100	0	0	2
B.Sc. Mechanical Engineering	1	1	100	0	0	1
B.Sc. Plant Science	1	1	100	0	0	1
B.Sc. Quantity Survey	1	1	100	0	0	1
B.Sc. Agriculture	3	3	100	0	0	3
B.Sc. Town and Regional Planning	4	4	100	0	0	4
B.Sc. Agricultural Economics	11	11	100	0	0	11
B.Sc. Hydrology	3	3	100	0	0	3
B.Sc. Soil Science	2	2	100	0	0	2
<b>Total</b>	<b>140</b>	<b>124</b>	<b>88,6</b>	<b>16</b>	<b>11,4</b>	<b>140</b>

Table 26 indicates that 140 bursary holders benefited from the bursaries sponsored by the Mpumalanga Department of Agriculture, Rural Development and Land Administration in 2010. Of the total of 140, 124 (88,6%) passed their end-of-year examinations and 16 (11,4%) failed.

## 10. CONCLUSION

The 2010/11 External Bursary Scheme report indicates the need for skills development for the youth in the country by providing financial assistance for deserving young people.

In terms of academic performance, 215 (94,7%) of the 227 bursary beneficiaries in Higher and Further Education and Training passed their examinations at the end of 2010 and 45 of them completed their studies.

The approval by the Director-General to appoint completing bursary holders additional to the post establishment where the functional unit has the budget was the major achievement to ensure return on investment during the implementation of the programme in 2010. This resulted in the appointment of candidate engineers and veterinarians in the department.

There is a need for career awareness to be strengthened in fields of studies scarce and critical in forestry and fisheries such as B.Sc. Marine Botany, Nat. Dipl Marine Science and B.Sc Forestry. Based on the growing interest in the programme among young people wanting to pursue studies in agriculture, forestry and fisheries scarce skills, the current budget for the scheme needs to be increased so that the sustainable growth of the agriculture, forestry and fisheries sectors may be ensured.

The total of 332 relevant applications received in response to the bursary advertisement, clearly demonstrates that many young people seriously need financial assistance to further their studies in one of the identified scarce and critical skills in agriculture, forestry and fisheries.

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