

# WHO WE ARE?

## VISION STATEMENT

“To Influence market forces through vibrant and sustainable agriculture activity that reduces poverty, reduces the risk of food insecurity and increases the contribution to GDP.”

## MISSION STATEMENT

To excel in the provision of customer-focused and market-driven services in the Agriculture Sector  
In particular, the elements will be:

- Efficient management of technical, administrative, financial and personnel services.
- Sound human resource management and development.
- Investment optimization through research and development in conjunction with all interest groups.
- WTO and Codex compliance for domestic and international markets.
- Development of collaborative and consultative alliances at all levels.
- Manage Land and water resources in a sustainable and cost-effective way.
- Continue the inculcation of performance-based management.
- Maintenance and enhancement of the commitment to food and income security.
- Enact and implement legislation both within the Department and throughout allied agencies.

## VALUES

- Commitment
- Honesty
- Integrity
- Accountability
- Transparency

# TABLE OF CONTENT

Minister's Foreword.....	pg 7
Permanent Secretary's Statement.....	pg 8
Key Strategic Priorities.....	pg 9
Organisation Structure.....	pg 10
<b>2013 Agriculture Sector Achievements and Performance</b>	
Summary of Achievements: 2013 Year at a Glance.....	pg 11
Agriculture Key Numbers.....	pg 12
Annual Budget Summary.....	pg 13
Agriculture GDP.....	pg 14
Agriculture Trade.....	pg 15
Agriculture Production.....	pg 18
Highlights of Major Crop Commodities.....	pg 18
Highlights of Major Livestock Commodities.....	pg 19
<b>2013 Divisional Achievements</b>	
Crop Extension Division.....	pg 20
Animal Health & Production Division.....	pg 28
Land & Water Resource Management Division.....	pg 36
Land Resource Planning and Development Division.....	pg 40
Crop Research Division.....	pg 44
Economic Planning & Statistics Division.....	pg 49
Human Resources Finance & Information Division.....	pg 54
<b>Agency Financial Statement of the Ministry of Agriculture - 2013.....</b>	<b>pg 56 - 68</b>





## TABLES

Table 1 & 2.....	pg 13
Table 3.....	pg 14
Table 4.....	pg 16
Table 5.....	pg 20
Table 6.....	pg 21
Table 7.....	pg 21
Table 8.....	pg 22
Table 9.....	pg 24
Table 10.....	pg 24
Table 11.....	pg 25
Table 12.....	pg 25
Table 13.....	pg 26
Table 14.....	pg 28
Table 15 - 16.....	pg 29
Table 17 - 19.....	pg 30
Table 20 - 21.....	pg 31
Table 22.....	pg 32
Table 23.....	pg 33 - 34
Table 24.....	pg 36
Table 25.....	pg 37
Table 26.....	pg 37
Table 27.....	pg 38
Table 28.....	pg 41
Table 29.....	pg 42
Table 30.....	pg 44
Table 31.....	pg 45
Table 32.....	pg 46
Table 33 - 34.....	pg 50 - 52
Table 35.....	pg 55





# FIGURES

Figure 1.....pg 14

Figure 2.....pg 15

Figure 3.....pg 15

Figure 4.....pg 15

Figure 5.....pg 15

Figure 6.....pg 16

Figure 7.....pg 29

Figure 8.....pg 29

Figure 9.....pg 37

Figure 10.....pg 40

Figure 11.....pg 54





## MINISTER'S FOREWORD



I have the honor to submit the 2013 Annual Report for the Ministry of Agriculture to the people of Fiji, including our local stakeholders as well as regional and international development partners.

The publication of the Ministry's achievements is of vital importance to allow both an internal analysis of our progress and the challenges we face and to provide all stakeholders with an update of the activities that the Ministry has carried out in the Agriculture Sector in Fiji for the year 2013.

The Ministry through an integrated and sustainable approach sought to collectively deliver the targets set out in the 2013 Annual Corporate Plan which was based on theme of the National Budget – “Investing in our Future.” The broader Government priorities of increasing exports, reducing imports, improving livelihoods, guaranteeing food and income security and alleviating poverty were also part of the fundamentals of the delivery of service of the Ministry staff.

On this token, I would like to acknowledge the hard working staff of the Ministry that is to the Permanent Secretary, Deputy Secretaries, Directors and staff based in all the Divisions around Fiji. We have worked in partnership with other Ministries, development partners, the private sector and farmers to realize the many achievements that will feature in this Report.

Mr. Inia Batikoto Seruiratu

**Minister for Agriculture, Fisheries & Forest and Provincial Development  
and National Disaster Management**



## PERMANENT SECRETARY'S STATEMENT



Our 2013 mandate is based on the theme of the National Budget – 'Investing in our Future' which was set out in the 2013 Annual Corporate Plan. Through the Ministries Integrated and sustainable approach we sought to collectively deliver these targets.

The 2013 Ministry of Agriculture Annual Report underscores the importance of planning and setting targets that are achievable, measurable and time bound. It defines the roles, responsibilities and achievement of the seven functional Divisions of MOA during the year.

The Annual Report highlights the division's annual plans and achievements which contribute directly to goals, objectives and targets of the Ministry and more broadly the core priorities of Government of increasing exports, reducing imports and to tackle poverty in order to ensure food security for Fiji.

Hence, I believe such publications will enlighten Government and our key stakeholders about the Ministry's achievement which is of vital importance to internal analysis of our progress and the challenges we faced throughout the year.

With this overview, I would like to acknowledge the hardworking staff of the Ministry for their sincere contribution throughout the year as featured in this report.

**Mr. Ropate Ligairi**  
Permanent Secretary for Agriculture



## KEY STRATEGIC PRIORITIES

The strategic priority of the Ministry is to provide agricultural advisory services to ensure that agriculture further enhances farming as a viable and efficient profession, which endeavors to contribute significantly to GDP in a sustainable way concurrently ensuring food and income security to the people of Fiji. The Ministry's primary functions include:

- To accelerate agricultural product diversification into crops and products where competitive advantage has been identified,
- To facilitate private sector development,
- To promote food security, and,
- To ensure sustainable development in non-sugar sector.

### Service Outputs

The Ministry is funded by the Government to provide outputs in these areas:

#### Consulting

- Agricultural development in all of its facets.
- Enhanced livestock production and quality.
- Relevant civil engineering.
- Landlord and Tenant agreements.

#### Research

- Techniques for increasing yield.
- Varieties providing correct market features.
- Varieties providing extended seasons – wherever for year-round production.
- Pasture improvements.

#### Information and training services

- Research publications for improved livestock and crop performance.
- Market intelligence.
- Education and training.
- Pathology and veterinary for health maintenance in livestock.
- Improved techniques, species and varieties.
- Safe practices in the use of agrochemicals.
- Market information.
- Licensing and compliance for exports and imports to ensure border security.

#### Services

- Portfolio Leadership, Policy Advice and Secretarial support to all stake-holders and Government.
- Consulting services on all aspects of agro-business.
- Chemical analytical services.
- Irrigation services.
- Watershed management.
- Dredging and drainage.
- Environmental protection.
- Sustainable land and water resource management.
- Pathology and Veterinary services.

# ORGANISATION STRUCTURE



**Hon. Inia Batikoto Seruiratu**

Minister for Agriculture, Rural and Maritime Development & National Disaster Management



**Mr Ropate Ligairi**

Permanent Secretary for Agriculture



**Mr Jonasio Mara**

Deputy Secretary Corporate Service



**Mr Uraia Waibuta**

Deputy Secretary Agriculture Development



**Ms Mereseini Bou**

Director Human Resource,  
Finance & Information



**Mr Ilimeleki Kaiyanuyan**

Chief Economist



**Mr Vatimi Rayalu**

Acting Director Crop  
Extension



**Mr Tomasi Tunabuna**

Director Animal Health &  
Production



**Mrs Miliakere Nawaikula**

Director Crop Research



**Mr Colin Simmon**

Director Land & Water  
Resource Manage-  
ment



**Mr Osea Bolawaqatabu**

Director Land Resource  
Planning & Development





## 2013 YEAR AT A GLANCE

### Quarter 1



Ministry assists farmers with seedlings after Cyclone Evans



Fiji Hosted 49th Asia Pacific Coconut Community (APCC) Ministerial Meeting



Wholenut Processing Factory Opened in Taveuni by the Hon. Prime Minister



GPS Workshop was held in Koronivia

### Quarter 2



PM opens new chilling centre at the Southern Cross Food Ltd, Ba



Ministry through its HR Division conducts Leadership Training for staff



Cassava Flour introduced by Research Division



Ministry through Crop Extension program assists farmer with generator

### Quarter 3



Ministry receives cheque as sponsorship from South Pacific Fertilizers Chairman Mr John May



Chinese Govt. assists in Kiuva Seawall construction



Ministry signs media partnership with FBC



FDB supports 2013 Agriculture Show

### Quarter 4



Ministry conducts Food Processing Training for Woman in Navosai



Ministry plans to revive cocoa industry



Ministry conducts Food Processing and Valued Adding Training in the South of Vitilevu



Ministry launches Fiji Agriculture Journal Booklet after 55 years



## AGRICULTURE (Crop & Livestock) KEY NUMBERS

### Budget

**\$47.6m**  
Ministry of Agriculture  
Total Budget for 2013  
is \$47.6 Million

### Actual Expenditure

**\$44.9m**  
Total Actual Expenditure is  
\$44.9 million

### AGRICULTURE (Crop & Livestock) GDP [FJD]

**\$497m**  
The Sector contributed 8% to  
National GDP this year .  
*\* Inclusive of Growing of Sugarcane  
(\$44.2m)*

### AGRICULTURE (Crop & Livestock) PRODUCTION

**314,508mt**  
The Sector produced  
314,508mt of commodities  
in 2013  
*\* Exclusive of Sugarcane*

### Import (Crop & Livestock)

**\$552m**  
Imports of Crop & Livestock  
Commodities amounted  
to \$552m in 2013.

*\* Exclusive of Sugar and Sugar Products*

### Export (Crop & Livestock)

**\$180m**  
Ministry earned \$180m (FJD)  
from domestic exports in 2013

*\* Exclusive of Sugar and Sugar Products*

### Staff

**1,118**  
The Ministry had 1,118  
Staff in 2013





## BUDGET SUMMARY

Table 1: Budget Allocation by Division

Division	Total Budget	% Share to Total Agriculture Budget
Animal Health & Production (AH&P)	\$ 6,669,691	14
Extension	\$ 10,783,326	23
Research	\$ 5,827,518	12
Economic Planning & Statistics (EP&S)	\$ 1,579,778	3
Land Water & Resource Management (LWRM)	\$ 15,356,398	33
Land Resources and Planning Division (LRPD)	\$ 1,416,604	3
Human Resources, Information and Finance (HRFI)	\$ 5,932,240	12
Total <sup>†</sup>	\$ 47,565,555	100
Actual Expenditure	\$44,618,114	92 % of Budget Utilized

Notes: <sup>†</sup> the figures are 15% vat inclusive. Source: HRFI, 2013.

In 2013, Ministry of Agriculture's budget allocation totalled to \$47.57 million of which \$24.05 million was allocated for capital investment while the operating costs totalled to \$23.52 million. The LWRM division was allocated the highest share of the budget mainly to fund for the land drainage and flood protection programs followed by the Crop Extension division where a larger share of the budget was allocated for the Rice Revitalization, Food Security and Export Promotion Programs.

Table 2: Summary of Actual Expenditure in 2013

Seg	Description	2013 Provision	Budget as at December 13	Actual expenditure 2013
1	Established Staff	11,478,907	11,478,907	10,252,884
2	Government Wage Earners	5,662,200	5,662,200	5,181,477
3	Travel & Communications	1,004,544	1,004,544	964,150
4	Maintenance and Operations	2,253,123	2,253,123	2,152,064
5	Purchase of Goods and Services	749,558	749,558	671,528
6	Operating Grants and Transfers	1,792,388	1,792,389	1,736,027
7	Special Expenditures	2,050,481	1,514,718	1,404,139
	TOTAL OPERATING EXPENDITURE	24,991,201	24,455,439	22,362,269
8	Capital Construction	16,857,577	16,713,257	15,596,052
9	Capital Purchase	456,966	456,448	472,951
10	Capital Grants and Transfers	3,007,303	3,007,303	3,007,303
	TOTAL CAPITAL EXPENDITURE	20,321,846	20,177,008	19,076,306
13	Value Added Tax	3,409,130	3,409,130	3,179,539
	TOTAL VAT	3,409,130	3,409,130	3,179,539

Source: Human Resource, Finance & Information Division 2013 Annual Report

## AGRICULTURE SECTOR PERFORMANCE

### AGRICULTURE (Crop & Livestock) GDP

Agriculture remains the pillar of Fiji's Economy, contributing around more than 50% to total employment in the informal sector. In 2013, it has contributed \$497.1 million to the National GDP which is a 6.8% growth as compared to the previous year. This resulted from the Ministry's prompt response through intensive rehabilitation work since Tropical Cyclone Evan in 2012.

The sector continues to play an integral part in Fiji's overall development providing food and income security, promotes community development in rural areas and is an important source of foreign exchange earnings.

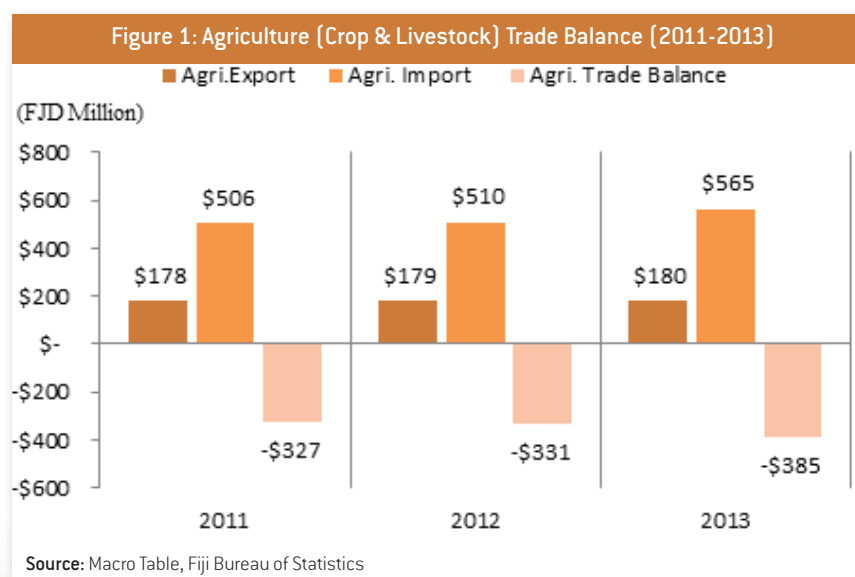
Table 3: Agriculture (Crop & Livestock) GDP at Constant Basic Price

GDP (FJD Millions)	2011	2012	2013
NATIONAL GDP	5,738.8	5,819.8	6,095.4
AGRICULTURE GDP	472.6	465.2	497.1
General Government	8.2	7.7	8.7
Subsistence	152.5	153.3	154.5
Informal	37.7	37.9	38.2
Crops	220.5	218.5	246.3
Livestock	53.7	47.9	49.4

Source: Macro Table, Fiji Bureau of Statistics

### AGRICULTURE (Crop & Livestock) TRADE

The overall Trade of agricultural commodities and products remained in deficit for the period under reviews. For the past 3 years, it was observed that imports continued to rise rapidly as well as an increase in exports but at a diminishing rate.

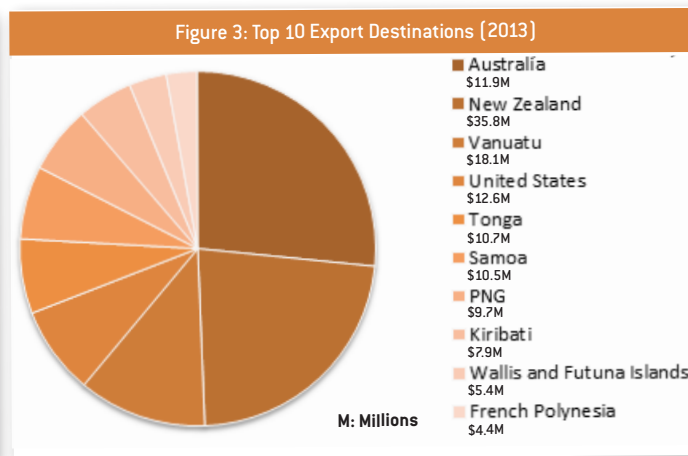
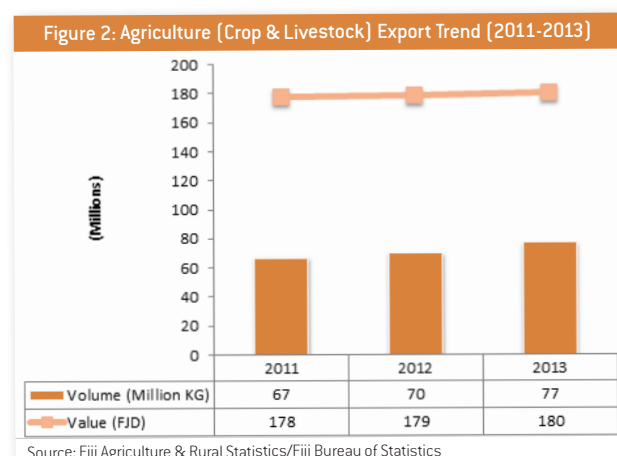


## AGRICULTURE (Crop & Livestock) EXPORT

13

In 2013, Fiji exported \$181 million (FJD) worth of Crop and Livestock Commodities and Products both in fresh/chilled and Value added which is 17% of the National Domestic Export. This was an increase of 1% from 2012 Crop & Livestock export earnings. The value of Total Crop & Livestock exports has been rising since 2011. The increase in 2013 was due to an increase in exports of major crops such as Dalo, Ginger, Yaqona and Pawpaw and other crops.

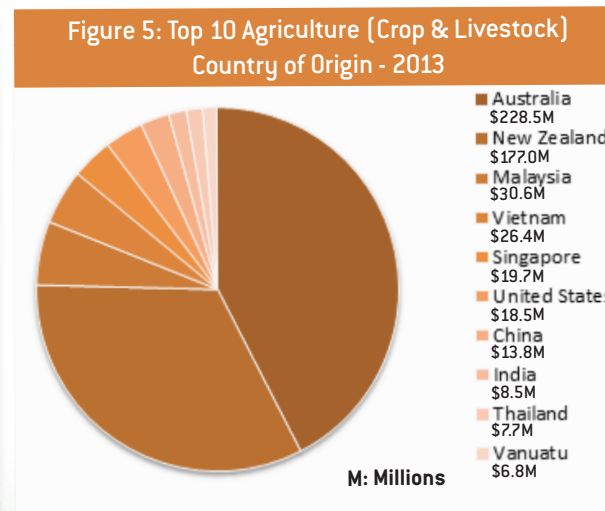
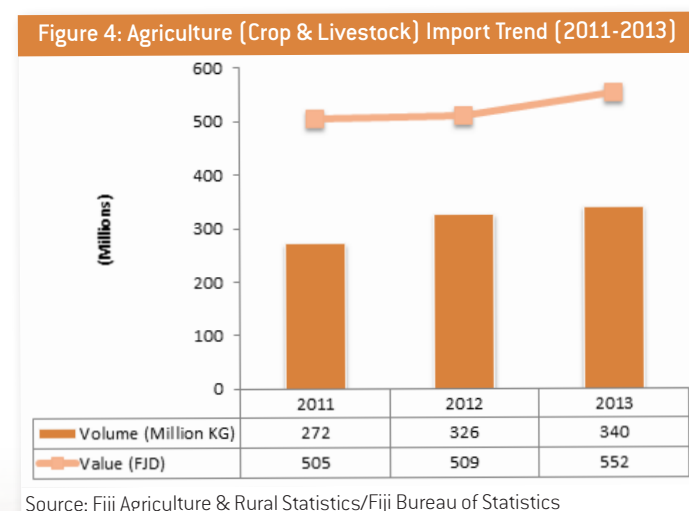
Australia, New Zealand, Vanuatu, USA and Tonga remain as Fiji's major export destination. USA is Fiji's Top Export Destination for Kava while Australia and New Zealand remained as Fiji's main market for fresh and chilled root crops and vegetables. Most of the Processed or Value added Crops & Livestock products are exported to the Pacific Island Countries.



## AGRICULTURE (Crop & Livestock) IMPORT

In 2013, Fiji imported \$552 million (FJD) worth of Crop and Livestock Products both in fresh/chilled and value added which is 11% of the National Import Bill. Moreover, both the volume and value of imports increased from 326 million kilograms (\$509m) in 2012 to 340 million kilograms (\$552m) in 2013.

Fiji imports most of the Dairy Products, Meat and Other Fresh Fruits and Vegetables from New Zealand while Australia remains to be the main market for Wheat. Malaysia and Vietnam remains the main source of Fiji's Rice and Oil Import.





## AGRICULTURE (Crop & Livestock) PRODUCTION

The Agriculture (Crop & Livestock) Sector has produced 314, 508 metric tonnes of commodities this year which are 69% more than last year's achievement (2012). The production growth is mainly resulted from the Ministry's prompt effort in providing rehabilitation work after Tropical Cyclone Evan last year and was sustained by the favourable weather this year. Both Crop and Livestock Sub Sector recorded a massive increase of production this year.

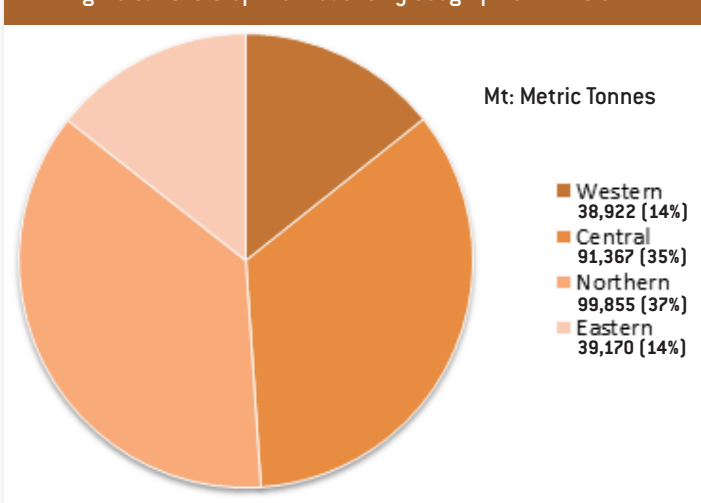
Table 4: Agriculture (Crop & Livestock) Production - Metric Tonnes

Production	2011	2012	2013
Crop	240,191	153,917	272,314
Livestock	47,557	32,449	42,193
Total Agriculture Production	287,748	186,366	314,508

Source: Crop Extension Division

Northern Division produced the highest volume of crop production for the past two years (2012-2013) and has surpassed Central Division mainly because of the impact of Tropical Cyclone Evan in 2012 that affected most farming areas in the Central Division.

Figure 6: 2013 Crop Productions by Geographical Division



Source: Crop Extension Division



# ACHIEVEMENTS OF MAJOR CROP COMMODITIES

15



2013 Dalo Production: 87,044 mt  
 Production Growth (2012 vs. 2013): 45%  
 Total Export:  
 • Volume (8,780mt)  
 • Value (\$23.9m FJD)  
 Top Export Destination: New Zealand (5,490mt)



2013 Ginger Production: 5,908 mt  
 Production Growth (2012 vs. 2013): 77%  
 Total Export:  
 • Volume (1,478mt)  
 • Value (\$8.6m FJD)  
 Top Export Destination: Australia (861mt)



2013 Yaqona Production: 3,733 mt  
 Production Growth (2012 vs. 2013): 20%  
 Total Export:  
 • Volume (158mt)  
 • Value (\$7.2m FJD)  
 Top Export Destination: New Zealand (64mt)



2013 Cassava Production: 74,239 mt  
 Production Growth (2012 vs. 2013): 100+%  
 Total Export:  
 • Volume (1,313mt)  
 • Value (\$2.5m FJD)  
 Top Export Destination: Australia (710mt)



2013 Pineapple Production: 5,771 mt  
 Production Growth (2012 vs. 2013): 100+%  
 Total Export:  
 • Volume (6mt)  
 • Value (\$8,319 FJD)  
 Top Export Destination: New Zealand (5mt)



2013 Pawpaw Production: 2,777 mt  
 Production Growth (2012 vs. 2013): 4%  
 Total Export:  
 • Volume (252mt)  
 • Value (\$0.9m FJD)  
 Top Export Destination: Australia (167mt)

## ACHIEVEMENTS OF MAJOR LIVESTOCK COMMODITIES



2013 Sheep Production: 199mt  
 Production Growth (2012 vs. 2013): 14%  
 Total Number of Stock: 18,603  
 Export of Sheep Meat [Lamb- Fresh/Chilled/Frozen]:

- Volume (2.7mt)
- Value (\$18,461 FJD)

Top Export Destination: Nauru (1.7mt)



2013 Beef Production: 2,272mt  
 Production Growth (2012 vs. 2013): 41%  
 Total Number of Stock: 38,117  
 Export of Beef (Fresh/Chilled/Frozen)

- Volume (0.9mt)
- Value (\$18,302 FJD)

Top Export Destination: Tuvalu (0.7mt)



2013 Goat Production: 154mt  
 Production Growth (2012 vs. 2013): 54%  
 Total Number of Stock: 37,931



2013 Poultry Production: 26,354mt  
 Production Growth (2012 vs. 2013): 44%  
 Number of Broilers Slaughtered: 15.4million  
 Export of Poultry Meat-Chicken/Duck/Turkey/  
 etc (Fresh/Chilled/Frozen):

- Volume (102mt)
- Value Top Export Destination: (\$733,075 FJD)
- Top Export Destination: Vanuatu (82mt)



2013 Pig Production: 949mt  
 Production Growth (2012 vs. 2013): 17%  
 Total Number of Stock: 31,365  
 Export of Pork (Fresh/Chilled/Frozen):

- Volume (7.9mt)
- Value (\$73,020 FJD)

Top Export Destination: Wallis & Futuna Isl (2mt)



2013 Dairy Production (Milk): 12.1 million litres  
 Production Growth (2012 vs. 2013): 7%  
 Number Dairy Herds: 12,950  
 Export of Milk:

- Volume (4.7mt)
- Value (\$35,344 FJD)

Top Export Destination: Wallis & Futuna Isl (0.9 mt)





# CROP EXTENSION DIVISION



## CORE FUNCTION

“To provide Technical advice/services to farmers and the general public in order to improve agricultural productivity and efficiency and improving people’s living standards”

In 2013, Crop Extension Advisory Services focused on promoting farming, not only as a way of life but farming as a business to make a difference. This focuses on increasing production and improving their farming status from subsistence to commercial to ensure eradication of poverty and food insecurity.

## BUDGET SUMMARY

In order to achieve the desired output of the Division and efficient delivery of functional activities, the Division was allocated a total of \$4.62 million in 2013.

Table 5: Budget Allocations by Programs

No.	PROGRAMs	FUNDS ALLOCATED (\$)
1	Export Promotion – DDA program	1,000,000.00
2	Food Security – DDA program	1,000,000.00
3	Sigatoka Valley Development	200,000.00
4	Saivou Valley Agriculture	250,000.00
5	Nadarivatu Development	150,000.00
6	Rotuma Island Development	50,000.00
7	Agriculture Extension Services	200,000.00
8	Rice Revitalization	600,000.00
9	Coconut Development	370,000.00
10	Cocoa Revitalization	300,000.00
11	Ginger Development	100,000.00
12	Vanilla Development	50,000.00
13	Cottage Industry	100,000.00
14	Construction of Quarters & Office	250,000.00
<b>TOTAL BUDGET</b>		<b>4,620,000.00</b>

Source: Crop Extension Division, 2013

# ACHIEVEMENTS OF FUNDED CROP PROGRAMS

## FOOD SECURITY PROGRAM (FSP)



Food Security Program is designed to boost production with the aim of reducing import bills.

**2013 Targeted Commodity:** Vegetables, Potato, Rice

**Total Budget:** \$373, 822

### Budget Utilization

The Allocated Budget was able to fund 8 projects under FSP and the division was able to utilize 96% mainly for the procurement of Hydroponic materials, rotovator, irrigations and nursery items, greenhouse materials, plastic shade, rice seed production and importation of plastic materials for potato development projects.



## Achievement

The Food Security Program was able to produce 1,216 mt from the targeted commodities this year.

Table 6: Production Achievement of Targeted Commodities

Commodity	Area Harvested (Ha)	Production Achieved (Mt)
Assorted Vegetables	124.9	1031.7
Potato	55.96	178
Rice	2.8	6.25

Source: Crop Extension Annual Report

## EXPORT PROMOTION PROGRAM (EPP)



Export Promotion Program aimed to enhance exporting opportunities by promoting and ensuring the cultivation of identified crops entirely to cater for exports.

**2013 Targeted Commodities:** Dalo, Cassava, Vegetables, Pawpaw and Ginger

**Total Budget:** \$962,000

### Budget Utilization:

98% of the allocated budget was utilized to fund 15 projects. The funds were mainly used to purchase Kura processing machines, construction of bore holes, extension of pack houses, tractor and digger implements, nursery materials, and pineapple seed production, supply of dalo suckers, agro inputs, and vegetable seeds.

## Achievement

EPP achieved a total production of 47,204mt from the 3,192mt that was targeted. The massive production resulted from the quick response of Government through rehabilitation work after Tropical Cyclone Evan and floods that struck the nation in December, 2012. The increase in price of dalo as well as the favorable weather conditions are also two of the most contributing factors.

These are the production achievement of the Targeted Commodities under this Program.

Table 7: Production Achievement of Targeted Commodities (EPP)

Commodities	Area Harvested (Ha)	Production Achieved (Mt)
Assorted Vegetables	217	1,367
Cassava	59	460
Dalo	698	45,104
Pawpaw	49	237
Yaqona	13	36

Source: Crop Extension Quarterly Report

Yaqona harvested (production) this year is an output of the EPP assistance of 2010 as well as production of pawpaw from few existing trees planted last year.

## SIGATOKA VALLEY DEVELOPMENT PROGRAM (SVDP)



The primary role of Sigatoka Valley Development Program is to fund the procurement of vegetable planting materials of BQA commodities, agro inputs, infrastructure development and mechanization.

**2013 Targeted Commodities:** Pawpaw, eggplant, chillies, maize and tomato.  
**Total Budget:** \$200,000

**Achievement:** Sigatoka Development Program was able to produce 384mt from the targeted commodities this year.

Table 8: Production Achievement of Targeted Commodities (SVDP)

Commodity	Area Harvested (Ha)	Production Achieved (mt)
Chillies	1	2
Eggplant	4	32
Maize	35	280
Pawpaw	3	14
Tomato	7	56

Source: Crop Extension Quarterly Report

## RICE REVITALIZATION PROGRAM



Funds allocated under the program were used to procure small rice machines, rice seeds and agro inputs

**2013 Targeted Areas:** Islands and rural areas of Central Division

**Total Budget:** \$600,000

### Budget Utilization:

Unfortunately, the drainage works on the Vunaniu flats could not be accomplished due to technical problems with the bidding company. Swamp Dozer earmarked for 2012 was procured in 2013 which greatly assisted in the land preparation of rice fields in Dreketi.

### Achievement

The total area harvested under this program was 653ha and has produced 1,872mt of rice.

## COCONUT DEVELOPMENT PROGRAM



The Coconut Development is a new program. In the last 2 years, funds were allocated for construction and purchase of equipment for the Taveuni Coconut Centre.

**Total Budget:** \$370,000

**Budget Utilization:** Funds were mainly utilized to furnish equipment for the Coconut Centre, procurement of copra sheds, driers, VCO equipment, establish coconut nurseries for the supply of planting materials, cartage cost for seed nuts from Taveuni to Vanua Levu, Viti Levu and within Eastern division. This year, the Ministry was able to harvest 1,525mt of coconuts from the existing trees. Northern Division produced 1,524mt from existing plants and planted a total area of 389ha of coconut from the nurseries set up during the year.





## COCOA REVITALIZATION PROGRAM



This program mainly focuses on the rehabilitation of the existing cocoa farms that have been neglected for years

**Targeted Areas:** Namau, Naibalabala and Naduruloulou Research Station

**Total Budget:** \$300,000

### Budget Utilization:

In 2013, the funding was used for the purchase of farm equipment's such as chainsaw's, brush cutters, secateurs, tree loppers, pruners, drying and fermentation equipment. Funds allocated to Research Division were used

for raising seedlings for replanting in old plantations such in Nabalabala in Ra.

### Achievement

A total of 15.8ha of farm land had been revived through planting. Production achievement of the program has decreased to 23mt from the 26mt achieved in 2012. The production has been reported from the existing Cocoa Growers in Namau, Tailevu and Nabalabala in Ra. A total of 2000 seedlings raised from Naduruloulou Research Station and delivered to farmers. However, the rehabilitated plantations will take 2-3 years for regrowth and production.

## GINGER DEVELOPMENT PROGRAM



Projects approved under the program for the year were from the Central division and mostly Naitasiri and Tailevu Provinces that are well known as main ginger growing areas.

**2013 Targeted Areas:** Naitasiri and Tailevu

**Total Budget:** \$100,000

**Budget Utilization:** The fund allocated was used to procure planting materials, land preparation, construction of seed treatment equipment and agro inputs.

### Achievement:

There was a total of 10.8ha of immature ginger cultivated in Central division under this program. From this area, a total of 82.3 metric tonnes of ginger was produced.

## VANILLA DEVELOPMENT PROGRAM



The main focus of this new program is to rehabilitate the existing Vanilla farms that have been neglected over years mainly in Central and Northern Divisions.

**Total Budget:** \$50,000

### Budget Utilization:

The allocation was used to purchase farm equipment that will assist in the rehabilitation that includes chainsaws, brush cutters and curing equipment. Demonstration plots were also established under green house.

### Achievement

In 2013, five farmers were targeted to cultivate a targeted area of 8ha. However, only 5.5ha were achieved. The production reported (0.1mt) has been from the existing farmers in Savusavu, Cakaudrove Province.

## AGRICULTURE EXTENSION SERVICES PROGRAM



Agriculture Extension Services Program mainly targets vulnerable farmers in all the geographical divisions.

**Targeted Commodities:** Yam, Kawai, Tivoli, Kumala, Dalo mix, Vudi, Banana and Dalo ni tana

**2013 Budget:** \$200,000

**Budget Utilization:** The fund was used to procure planting materials and provide technical advisory services including demonstration plots, farmer trainings, field days, office equipment and tool kits for traditional crops that could withstand extreme weather conditions.

12% of these funds were allocated for monitoring and support services.

**Achievement:** A total of 1,318 farmers were assisted under the Agricultural Extension Services Program around Fiji. From the cultivated area, there was a total of 539 metric tonnes of 8 commodities harvested.

Table 9: Production Achievement of Targeted Commodities (Agriculture Extension)

Commodity	Area Harvested (Ha)	Production Achieved (Mt)
Banana	6.23	77.75
Dalo	9.4	137.05
Dalo ni tana	13.12	135.2
Kawai	1.12	10.82
Kumala	7.49	76
Tivoli	0.19	1.8
Vudi	7.61	76.65
Yams	1.7	23.3

Source: Crop Extension Quarterly Report

## ROTUMA ISLAND DEVELOPMENT PROGRAM



**Targeted Commodities:** Dalo, Cassava, Kumala, Vegetables, Coconut, Yaqona and Pawpaw

**2013 Budget:** \$50,000

**Achievements:**

This year the program has achieved a total production volume of 574mt of crops. A total of 131.5ha of farm land were planted with all the targeted commodities.

A green/house was therefore setup near the Rotuma office for the purpose of raising seedlings in 2014.

Table 10: Production Achievement of Targeted Commodities

Commodity	Area Harvested (Ha)	Production Achieved (mt)
Assorted Vegetables	5.2	52
Cassava	15.4	162
Dalo	28.7	288
Kumala	6.1	71
Yaqona	0.5	1

Source: Crop Extension Quarterly Report



## SAIVOU AGRICULTURE DEVELOPMENT PROGRAM



The total budget allocated for this Program this year was mainly for the procurement of a tractor with implements, combine rice harvester, and culvert crossing among other activities.

**2013 Budget:** \$250,000

**Targeted commodities:** Rice, fruits, root crops and Assorted Vegetables.

**Achievements:** 23 farmers were assisted under Saivou Development Program in 2013.

Table 11: Production of Targeted Commodities

Commodity	Area Harvested (Ha)	Production Achieved (Mt)
Assorted Vegetables	5	45
Cassava	20	200
Rice	4	10

Source: Crop & Extension Quarterly Report

## NADARIVATU DEVELOPMENT PROGRAM



The Nadarivatu Development Program focuses on the production of imported goods that could be grown locally.

**2013 Budget: \$150,000**

Budget Utilization: Allocation was used to purchase seeds of imported assorted vegetables and assistance was also extended to drainage improvement, procurement of agro inputs and other farming equipment.

**Achievement:**

70 farmers benefited from the program. A total of 43.3ha was cultivated and 171mt of the targeted commodities were harvested. The production was affected from frequent rain experienced in Nadrau and Navai areas in the 3rd and 4th quarters

Table 12: Production of Targeted Commodities

Commodity	Area Harvested (Ha)	Production Achieved (Mt)
Capsicum	6	36
Carrot	1	11
Lettuce	2	16
Tomato	17	98
Zucchini	1	9

Source: Crop & Extension Quarterly Report

## TAIWAN TECHNICAL MISSION (TTM)



Taiwan Technical Mission's (TTM) agricultural cooperation has been in operation in Fiji since 1970. The Mission started their work in Taveuni before moving to Koronivia Research Station but currently located in Sigatoka Research Station and working in the production of vegetables all-round the year. The TTM works with farmers in the valley to produce and market various types of vegetables and papaya as well as to supply seedlings from its demonstration farms.

**Achievements:**

In 2013, TTM supported 70 farmers in the valley for 8 target commodities. The total production of 184 tonnes of fruits and vegetables was achieved



Table 13: Production of Targeted Commodities

Commodity	Area Harvested (Ha)	Production Achieved (Mt)
Capsicum	1	4
Eggplant	0.4	3
English Cabbage	2	19
Lettuce	2	6
Pawpaw	11	81
Corn	5	40
Tomato	3	22
Watermelon	1	9

Source: Crop &amp; Extension Quarterly Report

## COTTAGE INDUSTRY PROGRAM



This program targets commodities such as floriculture, Masi and Voivoi as a source of livelihood for women in rural areas.

### 2013 Budget: \$100,000

**Budget Utilization:** The allocation was used to procure 3 greenhouse materials for floriculture nurseries in Nadroga and Ba, construction of a masi and voivoi drying shelter in Lakeba, and improvement of VCO shed and equipment in Cicia. The program also included establishment of demonstration plots in Tailevu and Serua, monitoring & support services, conducting farmers training and field days targeting women's group and individual women's project to enhance women participation in agriculture development.

## NON-CAPITAL PROGRAM



The Crop Extension Division continues to promote the importance of producing local crops, fruits and vegetables to address the need of Food Security in Fiji.

### Targeted crops:

Vegetables, Dalo, Cassava, Dalo ni tana, Via, Kumala, Breadfruit, Yam, Rice, Duruka, Banana, Vudi, Vanilla, Voivoi and Floriculture

### Achievements:

In 2013, the total production of 215,837mt of targeted commodities was achieved. The Central Division produced 45% of the total production, 28% from Northern Division, 16% from Eastern and 14% from Western Division.



A large brown cow with a single prominent horn is lying down in a pen filled with wood shavings. The cow is facing right, and its head is lowered. The pen is enclosed by a metal fence. The background shows more of the pen and some greenery.

# ANIMAL HEALTH & PRODUCTION DIVISION



## CORE FUNCTION

Three important functions;

- Provide knowledge and livestock related services to livestock industries, provides advice to government on the development of livestock sectoral policies and programs aimed at promoting the sustainable development of the livestock industry.
- Provide animal health, regulatory and technical services to maintain and improve animal health status and prevent the introduction of exotic pests and diseases.
- Promote and facilitate livestock research and development programs among other responsibilities.

### BUDGET SUMMARY

The Animal Health & Production Division was able to utilize \$4.1 million (94%) from a total of \$4.37 million released from Ministry of Finance this year. The funds were mainly used to fund the Food Security Programs, Dairy Industry Substitution, BTEC, Livestock Research and Breeding (Beef, Sheep, Goat, Pig, Poultry, Dairy, Apiculture), Beef and Sheep Multiplication, Livestock Rehabilitation, Veterinary Pathology Laboratory upgrading among few other programs.

## ACHIEVEMENTS OF AGRICULTURE LIVESTOCK PROGRAMS

### 1. Food Security Program [FSP]

Projects under FSP were distributed amongst all 4 divisions.

**2013 Budget:** \$250,000

**Total Funds Utilized:** \$187,714.44

**Total Number of Projects:** 37

Table 14: Distribution of FSP Funds by Division

Division	Allocation	% to the Total FSP Allocation
Central	\$47,704.34	22%
Western	\$123,204.50	57%
Northern	\$45,073.02	21%

### 2. Dairy Industry Substitution (DIS)

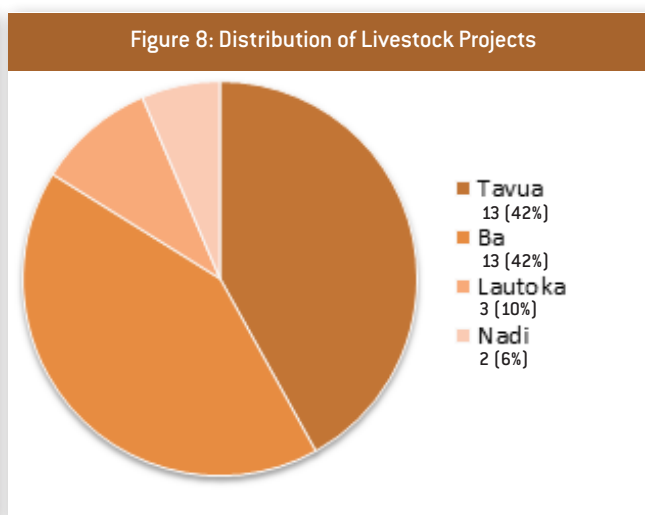
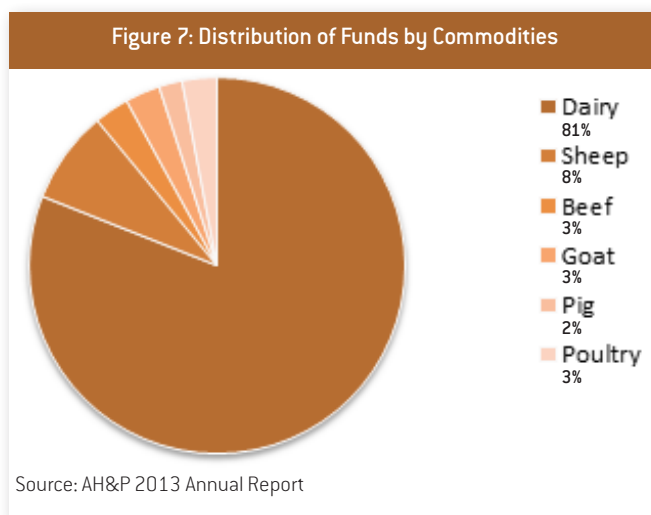
In 2013, majority of the project implemented were in Ba and Tavua compared to Lautoka and Nadi. One of the projects was the procurement of milking equipment's for dairy farmers in the Western Division. All these farmers have the necessary infrastructure in place (road, water and electricity).

**Total Budget:** \$750,000

**Total Funds Utilized:** \$606,562.44

**Total Number of Projects:** 32





## LIVESTOCK PRODUCTION ACHIEVEMENTS

### BEEF INDUSTRY



Table 15: Performance Indicators of Beef Industry

Beef Indicators	2012	2013	Remarks
Beef Production (Mt)	1,613	2,272	41% increase
Total Number of Farms	746	865	Western (29%), Central & Eastern (39%), Northern (32%)
Total Number of Breeders	10,855	13,922	
Total Number of Stock	32,203	38,117	Western (42%), Central & Eastern (27%), Northern (31%)
Number of Head Slaughtered	6,660	6,295	2 Registered Abattoirs (Vuda & Nasinu)
Beef Import-Fresh/Chilled/Frozen (mt)	3,160	2,449	Imports from NZ, Australia & Italy

Source: AH&P Annual Report

There has been a steady rise in the quantity of farms, breeders and beef stock suggesting that domestic beef production is expected to increase in the future.

### DAIRY INDUSTRY (MILK)



Table 16: Performance Indicators of Dairy Industry

Dairy Indicators	2012	2013	Remarks
Milk Production (Million Litres)	11,275,604	12,050,000	7% Increase (Formal + Informal Market)
Total Number of Farms	480	500	Smallholder (509), Bulk (19)
Total Number of Dairy Herd	10,310	12,950	Lactating Cows (57%), Dry Cows (43%)

Source: AH&P Annual Report

In 2013, the Dairy industry took strategic and diverse measures to increase the local production of milk. However, major challenge for the year was the change in the focused area to Western Division. Price is a major contributing factor that encourages farmers to supply to the informal market (\$1.50 - \$2.00 per litre) instead of supplying to the factory (\$1.00 VIP in the Central division). The self-sufficiency ratio based on milk supplied to FDL and non-factory production increased to 23% compared to 2012 and the per capita consumption increased to 5.9 kg compared to 5 kg in 2012.

## SHEEP INDUSTRY

The Sheep Industry is geared towards reducing mutton imports, especially the high quality sheep cuts. The industry currently operates at three levels:



- i. Large smallholders – largely private farms that sell their stock to the public;
- ii. Government stations that breed and fatten stock for supply to private farmers;
- iii. And backyard farms with less than 20 heads in stock.

The Ministry is working tirelessly to reduce imports through its support in improving infrastructure, breeds and multiplication of breeding stock.

Table 17: Performance Indicators of Sheep Industry

Sheep Indicators	2012	2013	Remarks
Sheep Production (mt)	174	199	14.4% increase in Production
Total Number of Farms	388	503	North (62%), Western (26%), Central/Eastern (12%)
Total Number of Stock	12,191	16,332	34% increase in number of Stock
Number of Sheep Killed	4,856	6,183	27% increase in number of sheep killed
Import (mt)	4,710	4,555	3% decline in import of lamb or Meat of Sheep

## PIG INDUSTRY



Table 18: Performance Indicators of Pig Industry

Pig Indicators	2012	2013	Remarks
Pig Production (mt)	813	949	17% increase in production of Pork
Total Number of Farms	1,255	1,895	Central/Eastern (80%), Northern (15%), Western (5%)
Total Number of Stock	29,447	31,365	7% increase in number of stock
Total Number of Breeding Sows	4,301	6,198	44% increase in number of Breeding Sows
Number of Pigs Slaughtered	14,667	15,826	7.9% increase in # of Pigs Slaughtered at Registered Abattoirs
Import (mt)	395	189	53% decline in import of pork

Source: AH&P Annual Report

In Fiji, half of the current pig population is still kept in traditional small-scale production systems. Pork Industry contributes to food security and provides protein, but the animals might also constitute a financial safety net for livelihoods, and fulfil a role in cultural traditions. The indicators revealed that as of 2013, Fiji is self-sufficient in pork.

## GOAT INDUSTRY



Table 19: Performance Indicators of Goat Industry

Goat Indicators	2012	2013	Remarks
Goat Production (mt)	100	154	Production increased
Total Number of Farms	540	777	
Total Number of Stock	24,723	37,931	
Number of Quality Breeding Bucks Supplied to Farmers		414	Include 13 Breeder bucks
Import (mt)	42	112	ii

Source: AH&P Annual Report

Demand for goat meat has steadily increased in Fiji over the years. This ethnic demand for goat meat is for social and religious purposes mainly in the peak seasons of religious holidays during "Ramadan and Eid". Another factor is the determination of many farmers to be self-sufficient. Where resources are limited, a small herd of goats may be the only livestock that a small, part-time farmer can raise to achieve self-sufficiency.



The farms which were supplied previously were monitored during the year and it has been seen that the bucks were performing very well. Demand for breeder bucks is also very high in the Northern Division.

## APICULTURE INDUSTRY



Table 20: Performance Indicators of Apiculture Industry

Honey Indicators	2012	2013	Remarks
Honey Production (mt)	188	215	15% increase in production
Total Number of Farm	1,078	1,211	
Total Number of Hives	8,828	10,634	Central (21%), Eastern (4%), Northern (18%), Western (57%)

Source: AH&P Annual Report

Increase honey production is a government initiative to boost the industry and improve rural livelihoods. A total of 1806 new hives was produced for the year and a total of 417 nucleus hives was produced by both the private breeders and research as replacement, expansion and supply to potential farmers. As per 2013 targets of 100 nucleuses, 317 more was produced. In addition, a total of 539 Queen Bees was produced during the year both by the private sector and research.

## POULTRY INDUSTRY



Table 21: Performance Indicators of Poultry Industry

Commodity	Indicators	2012	2013	Remarks
Poultry	Number of Broilers Slaughtered	13,061,000	15,410,585	18% increase
	Production of Poultry Meat (mt)	18,285	26,354	44% increase (excluding small backyard farmers)
Duck	Production(mt)		8.4	From 2 registered rural slaughter houses (Reddy & Imam)
Eggs	Production (dz)	5,462,902	6,736,100	23% increase in production
	Per Capita Consumption	65	90	28% increase

Source: AH&P Annual Report

The overall Poultry Industry continues to develop over the years as summarised in Table 21. This year, Ram Sami & Sons Limited has launched the third Automated Layer Shed in Wainadoi which is one of the factors behind the increase in egg production.

## COMMERCIAL UNDERTAKING (CUT)

The Commercial Undertaking (CUT) is the commercial arm of the Division of Animal Health and Production. It operates on a revolving fund of \$120,000 and buys pine posts, fencing materials, livestock from farms and retails these goods to the farmers at reasonable price with handling charge of 5% for service costs. A total of \$999,240.86 was recorded as gross income for 2013; a decrease by 13.8% compared to 2012 achievement (\$1,160,187.29). In 2013, some farmers were unable to sell their livestock because of irregularities in the selling prices. In such cases, CUT assists the farmers by buying their animals at fixed price using its own vehicle and staff and charges of 5% as handling fee. The productive animals from these sales were sold to other livestock farmers and the remaining stock sold to butchers or to individuals for 'magiti' purposes.



# OUTPUT OF LIVESTOCK HEALTH & DISEASE ERADICATION

## Veterinary Regulatory Services

The Regulatory Service of the Ministry carries out investigation and surveillance work. During the year, the following works were carried out.

Table 22: Type of Services on Livestock Health & Disease Eradication

Type of Service	Indicator	2012	2013	Remarks
Clinical Cases	Number of Clinical Cases	4,340	5,281	73% from Western Division
	Total Revenue	\$51,321	\$56,612	
Drug Sales	Total Number of Sales	18,930	19,288	58% of revenue collected from Central/Eastern Division
	Total Revenue	\$275,926	\$337,030	
Castrations	Number of Cases	427	590	
	Total Revenue	\$3,470.89	\$4,930.70	
Tested & Reactors	Number of Bovine Tested	41,277	37,548	Brucellosis (346 heads), TB (11 farms)
	Number of Reactors	613	407	
Meat Inspection	Number of Cases	24,487	16,116	
	Total Revenue	\$23,818	\$17,292	

Source: Crop Research 2013 Annual Report

### Achievements of other Regulatory Services:

- A total of 2180 dogs were licensed and the Central/Eastern Division accounted for 72%.
- A total of 97 animals (54 cattle, 38 horses and 5 others) were impounded during the year generating revenue of \$1,134.55.
- A total of 594 brands were registered with total revenue of \$1,574.65.
- A total of 16,116 animals were slaughtered, meat inspection was recorded from 2 divisional abattoirs, rural slaughterhouses that generated total revenue of \$17,291.64.
- A total of 104 dogs trapped and all were euthanized during the campaign.
- A total of 190 baits were laid of which 61 were taken with the balance recovered this year.
- A total of 13 slaughterhouses and 1 cannery around the country were registered under the Meat Industry chapter 237. A total of 566 personnel with medical certificates were registered and 23 inspections of the slaughterhouses and cannery was carried out for the year 2013. The meat carrying freezer trucks totalling to 63 were registered during the year.
- A total of 33 meat surveillance were carried out in the Central and Western divisions, confiscating a total of 185.2 kg of meat which has been in the retail market for sale that has originated from illegal outlet and not by a registered slaughterhouse.
- Twenty cattle trucks were registered in 2013 to cart livestock under the chapter 237 with the provision of stock movement advice.
- In 2013, a total of 301 dairy farms were registered in 2013 to supply raw milk to the Fiji Dairy Limited.

### VETERINARY PATHOLOGY LABORATORY

The Veterinary Pathology Laboratory continued to support the field staff through investigations and diagnoses of livestock diseases during the year. Investigations were carried out on specimen and species.

- A total of 185 Necropsies were received during the year.
- A total number of 51,212 specimens received this year.

## LIVESTOCK RESEARCH

A total of \$1.87 million was allocated to Livestock Research for implementation of 8 programs.

The achievement for the different commodities funded under the 8 Programs was 80 % and its impacts on the production were also realized at the stations.

Table 23: Achievements under AH&P Research Programs

ITEM	OBJECTIVE	Budget	MAJOR ACHIEVEMENTS
Agriculture Research Services	To improve and upgrade Research Station's production capabilities in supplying quality breeding stock and pasture planting material to farmers	\$120,000	1. 228 Dairy cattle heads sold to farmers 2. Renovated Stockyard, pasture improved, erected fencing, weed control, road maintenance and drainage
Beef Research & Development	To produce genetically improved breeds at the station for sale to farmers	\$150,000	1. 7ha pasture renovation 2. 11km fencing upgrade 3. 20 Breeding Bulls sold 4. 50 semen imported 5. 1km road maintenance 6. 1km water reticulation 7. 1 Feedlot renovated 8. 1 fencing training undertaken
Livestock Rehabilitation Program	Initially for importation of animals but diverted (due to delay in BAF's finalization of quarantine protocols) to improve infrastructure and upgrade the existing AH&P Research and Breeding stations	\$1,000,000	1. Purchase of pasture seeds, and feed 2. Paravet Training 3. Upgrading of Poultry Research facilities, Farm & infrastructure of Beef Research facilities at Mua Research Station, Batiri Research station, at NQS, maintenance of quarters at KRS & Batiri, and infrastructure of Goat Research
Smallholder Sheep Development	Infrastructure upgrade, nutrition improvement, controlled breeding and proper weaning management for supply of quality breeding stock to farmers	\$150,000	<b>Mua:</b> 203 Ewes increased, supplied 365 breeding stock, 1 sheep shed repaired, maintenance of 2km of water system, 12 water troughs installed <b>NQS:</b> 12 water troughs installed at NQS <b>Other activities:</b> Pasture renovation, 20 tons of Feed purchased, 9.5km of fence works, 2km of roads completed
Pig Research & Development	To improve and increase the production of desirable pig breeds (pure bloodlines) for sale to farmers	\$100,000	1. Completion of 1 stud house (for Station Boar) with ventilation, water supply and feed trough installed 2. 351 sows artificially inseminated 3. 250 weaners (improved breeds) sold to farmers
Goat Research & Development	Improvement and supply of quality breeding bucks to local goat farmers	\$150,000	1. 46 Breeding Bucks supplied 2. 1 new shed renovated and 1 newly built 3. Upgrade of 3km of road, 9km of fence repaired, Maintenance of 5km of water system 4. 9.64has of pasture renovation and 8.5tons of Feed and Veterinary Drugs purchased

Poultry Research & Development	To supply quality day-old broiler chicks to farmers	\$100,000	<ol style="list-style-type: none"> <li>1. Production of 17,991 and supply of 16,383 day-old chicks</li> <li>2. 1 batch of day-old chicks (breeders) imported</li> <li>3. Purchasing of 1,087 bags of Feed and 1 batch of vaccines</li> <li>4. 5 Co-Op meetings/training conducted</li> </ol>
Livestock Feed Technology	To improve livestock nutrition for increased levels of meat and milk production	\$100,000	<ol style="list-style-type: none"> <li>1. Establishment of 2 pasture trials and verification studies</li> <li>2. Museum Plot at KRS &amp; SRS maintained</li> <li>3. 14.44has of Pasture Improvement carried out @ SRS</li> <li>4. 410 bags of vegetative planting materials and 1500 potted legumes supplied to farms</li> <li>5. 1 Scientific Paper, 4 Technical Bulletins released</li> <li>6. 4 Dairy Farmers Workshop attended</li> <li>7. 4 Feed Formulations finalized</li> <li>8. 46 tonnes of Feed processed at Feed Technician</li> </ol>

Source: Crop Research 2013 Annual Report



# LAND & WATER RESOURCE MANAGEMENT DIVISION





## CORE FUNCTION

“To support the Ministry of Agriculture’s strategic and corporate goals through facilitation of sustainable land and water resource management for agricultural development.”

It delivers its services through the core programs of flood protection, drainage, irrigation, watershed management, agricultural development, engineering technical support services including implementation of projects funded by regional organizations.

### BUDGET

The Division was allocated a total of \$10million for its capital works programs. An additional \$1.5million was allocated to the Flood Protection program for the Ba River Dredging Works. The total utilization was 96% of the allocated budget in 2013.

Table 24: Funds Utilization

Program	Provision	Released	Expenditure	Utilization
Irrigation Services	\$1,500,000	\$1,117,097	\$ 938,437	84%
Flood Protection	\$6,000,000	\$7,508,919	\$7,260,716	97%
Watershed	\$1,000,000	\$ 915,282	\$ 915,282	100%
Drainage Subsidy	\$1,500,000	\$1,350,000	\$1,350,000	100%
Total	\$10,000,000	\$10,891,298	\$10,464,435	96%

Source: LWRM 2013 Annual Report

## ACHIEVEMENT OF FUNDED PROGRAMS

### 1. FLOOD PROTECTION

#### Ba River Dredging

- A total of 7.5 km of the river mouth to Nawaqarua Village has been dredged.
- A total of 230m in length of river bank protection works completed.

#### Nadi River Dredging

- Completed Nadi river dredging.
- A total of 4 km of the river from Moala Village up to the Nawaka River below Nadi Town was dredged.

#### Labasa River Dredging

- Completed Dredging & Extensive Hull Maintenance of Dau Qeu Qeu.
- Completed Repair work of main engine fuel pump.

#### Sigatoka River Dredging

- Completed the Environment Impact Assessment Study.

### 2. WATERSHED MANAGEMENT

- Rehabilitated 3 dams that was damaged during the 2012 floods at Nawaka, Vatutu and Namulomulo.
- Completed Environment Impact Assessment for the proposed Namosi Dam No: 2 in the Nadi Watershed.

### 3. IRRIGATION SERVICES

- Maintained a total of 8 irrigation schemes of the division.
- 1,700 hectares of land developed is used for rice and vegetable crops cultivation with 84% of the budget utilization.

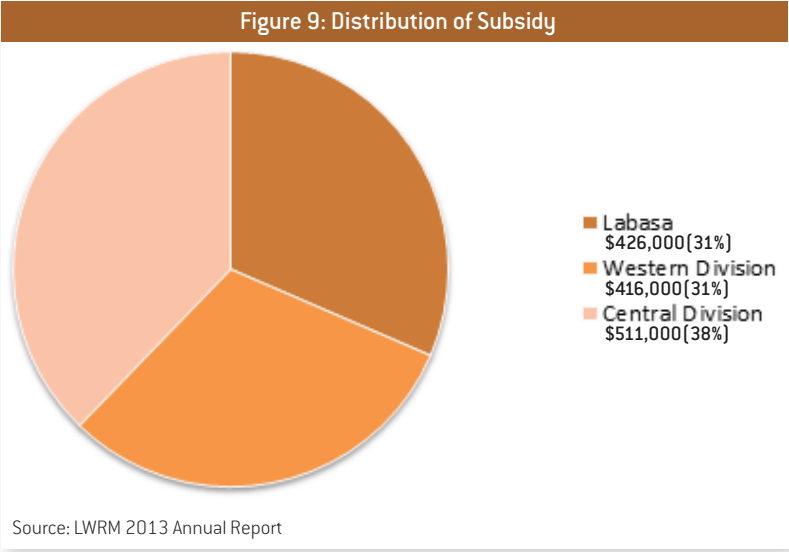
The slow utilization and delay was caused by wet weather and quality assurance services for earthworks due to the absence of soil laboratory facilities for the Dreketi Stage II & III upgrading works.

### 4. DRAINAGE SUBSIDY

The Drainage Subsidy was the Grant provided to the 3 drainage Boards for its operations and maintenance works for developed drainage schemes. In the Western and Northern Division, the schemes support the sugar industry, while in the Central



Division the schemes developed for non-sugar crops.



## 5. OTHER SERVICES

a. Table 25: AGRICULTURE DEVELOPMENT

1.	Extension Division Infrastructure
•	Vunaniu rice irrigation design
•	Nabua rice farm irrigation design
•	Namau rice irrigation design
•	Nadarivatu drainage and irrigation investigation
•	Muanaira and Kiuva flat land drainage plans
2.	AH&P Infrastructure
•	Two-story regulatory office building design
•	Milking parlor building design
•	Office retaining wall design
3.	Research Division Infrastructure
•	Rehabilitation of access roads for Dobuilevu Research Station. Scope of work and Specification prepared

b. Table 26: ENGINEERING TECHNICAL SUPPORT SERVICES

Navuso School dairy and piggery building design
Sanasana Village survey and soil volume calculation
Ba Methodist High School drainage improvement
Koroboya Primary School in Ba, drainage improvement
Biausevu village flooding investigation
Daku village climate change adaption works supervision
Nadoi Village drainage structure design
Bau Island seawall design and construction supervision
Suweni village river diversion and bank protection design and construction supervision
Provide comments on land drainage issues for forty (40) subdivision applications

## c. REGIONAL PROJECTS

To meet the challenges of climate change, sea level rise and the flooding problems, the Division through assistance from regional agencies obtained funding from the Global Environment Facility (GEF) to undertake the following projects: Integrated Water Resource Management (IWRM) and Pacific Adaptation to Climate Change Project (PACC).

Table 27: Major activities undertaken by the two projects

Projects	Major Activities Undertaken
Integrated Water Resource Management (IWRM)	<ul style="list-style-type: none"> <li>• 28 Community Disaster Committees established.</li> <li>• Workshop conducted for the Chairman of the Committees on Initial Disaster Assessment together with National Disaster Management Agencies</li> <li>• Early flood warning system developed and put into operation. Two sirens installed one at Sikituru village and the other located behind the Nadi fire station</li> <li>• Flood simulation exercise conducted at Narewa, Navatulevu, Yavusania, and Maqalevu villages. This focused on response and co-ordination activities.</li> <li>• Inter secondary school oratory contest towards building capacity; (16) schools in the west participated</li> <li>• Co-hosted 5th Project Regional Steering Committee Meeting at Nadi</li> <li>• Project Management Unit was visited by the Public Accounts Committee and updated on development in Nadi and initiatives undertaken by the project</li> </ul>
Pacific Adaptation to Climate Change Project (PACC)	<ul style="list-style-type: none"> <li>• Climate change awareness undertaken in 19 villages, 1 settlement and 9 schools in Tailevu and Serua</li> <li>• Supported 7 villages development plans incorporating climate change and disaster risk reduction for Tumavia, Naselai, Vunibau, Visama, Nakaulevu, Muana and Naimalavau</li> <li>• Demonstration farms established at Nakelo and Rovadrau to research 3 varieties of dalo, kumala and cassava for water logging resilience 99 women trained in food processing technology conducted by the Koronivia Research Station</li> <li>• The consultant engaged for the project National Institute of Water and Atmospheric Research Ltd (NIWA) conducted in house training on climate change tools for modelling drainage network</li> </ul>

Source: LRWM Annual Report, 2013



# LAND RESOURCE PLANNING & DEVELOPMENT DIVISION





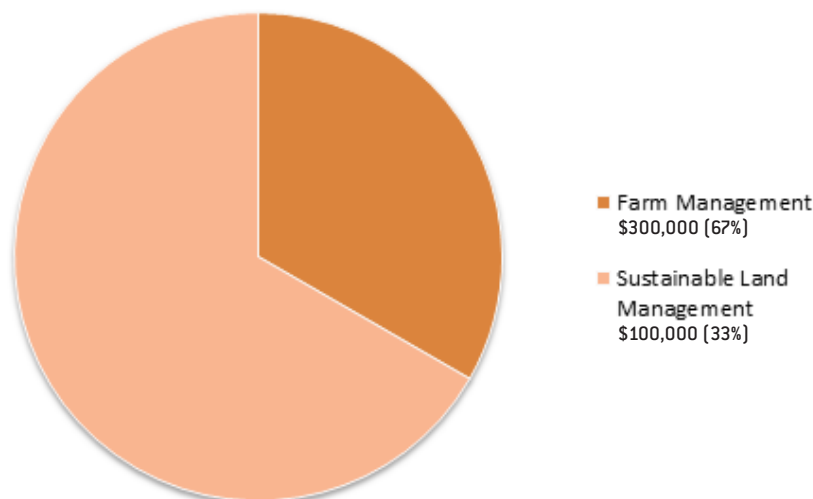
## CORE FUNCTION

"To enhance capacity development for farmers as well as the agriculture staff, provide farm management training for both crop and livestock, promote sustainable land use practices by emphasizing on land conservation and land degradation issues, accelerate the generation and use of appropriate technology among other responsibilities"

### BUDGET

In 2013, the Division was allocated with \$300,000 for the implementation of the two (2) programs; Sustainable Land Management and Farm Management.

Figure 10: Distribution of Funds for 2 Programs



Source: LRPD 2013 Annual Report

These are the highlights of 2013 achievements on the functional activities of the Division.

## SUSTAINABLE LAND USE MANAGEMENT

- a. **Implementation of REDD+ Policy**
  - Developed National Biodiversity Strategy & Action Plan to address issues such as Biodiversity, Forest Conversion, Special conservation, Inland waters, and inshore fisheries, coastal developments, protected areas & invasive Alien Species.
  - Established a National Village Relocation Taskforce.
  - Established National REDD+ Steering committee on two pilot sites at Mt. Emalu, Draubuta village, Navosa and Mt. Namako & Nabunilagi in the Vunivia Catchment, Dogotuki, Macuata National Environmental Council.
- b. **Promulgation of the Land & Water Resource Management Decree**
  - The new, Land and Water Resources Management Decree (the amended LCIA) and regulation with a cabinet paper were submitted to Solicitor General's Office's for endorsement.
- c. **United Nation Convention to Combat Land Desertification (UNCCD)**
  - A draft National Action Plan for UNCCD was formulated.
- d. **SLM Technology transfer to communities**
  - Soil stabilization work on one of the FEA Tower in Wailoa, and at the new village site for Narikoso in Ono Island, Kadavu where Vertiver grass were planted around the Tower to protect soil erosion and in Kadavu for rehabilitation purposes.
  - Provided technical advice to the China Railway on planting of Vertiver on the newly constructed Sawani -Serea Rd for rehabilitation and protection purposes.
- e. **Capacity Building**
  - Facilitated Training on Training of Trainers (TOT) with Extension Division on Land Use Planning.
  - Participated in public display and road show to showcase SLM strategies to the public mainly in National.





Agricultural Show in Lautoka and represented the Ministry in the RIDGE TO REEF night.

- Participated in the Keiyasi Road Show in Vatumaili Government Station, Navosa, Ratu Rakavi in Sigatoka, Nadarivatu Roadshow.

**f. Ensuring Equal Access for Women in all Agriculture Development**

- LRPD also ensures that equal access is rendered to our society to boost the agriculture development for their livelihood and for the national economy as a whole. Some of the major outputs in this juncture are listed below;

Table 28: Activities to Ensure Equal Access for Women in Agriculture Development

No.	Project Name	Activities
1.	Homes of Hope at Wailoku, Naitasiri	<ul style="list-style-type: none"><li>• Conducted awareness training in partnership with Research and AH&amp;P Division on hands – on farm establishment, Vertiver planting, alley cropping, agroforestry with dalo, pineapple and fruit trees</li></ul>
2.	Ballantine Memorial School in Delainavesi, Rewa	<ul style="list-style-type: none"><li>• Provision of Land Use Capability Survey and reports on demarcating the potential land use on existing soil types</li><li>• Present Land Use Survey</li><li>• Soil confirmation survey</li></ul>
3.	Navutulevu Womens Group in Serua	<ul style="list-style-type: none"><li>• Vegetables seed raising</li><li>• Nursery Management</li><li>• Composting &amp; mulching training also attended by the LRPD staff in conjunction with Research, Extension and GEF Small grant from UNDP project</li></ul>
4.	ELSHADDAI women's group in Naitutu, Tailevu	<ul style="list-style-type: none"><li>• Project paper submission to ROI</li><li>• Establishment of Nursery</li><li>• Floriculture training</li><li>• Vegetables raising awareness activities conducted together with Farm Management and Extension Division</li></ul>
5.	Kavula Womens group in Bua	<ul style="list-style-type: none"><li>• SLM &amp; Farm Management training</li><li>• Nursery establishment and its management training together with Extension</li></ul>
6.	Siberia/Emily Land care (Women's) in Siberia/Emily Macuata	<ul style="list-style-type: none"><li>• Training on SLM nursery management and seed raising together with AH&amp;P and Extension Division</li></ul>
7.	Formation of the Tailevu North Floriculture Association in Tailevu	<ul style="list-style-type: none"><li>• Trainings conducted with Extension Division</li></ul>
8.	FVI Training in Levuka (Rukuruku, Nacobo, Visoto) in Ovalau, Lomaiviti	<ul style="list-style-type: none"><li>• Farming System</li><li>• Land Use Planning</li><li>• Food security measures</li><li>• Sustainable Land Management awareness together with Extension and Provincial offices</li></ul>

Source: LRPD 2013 Annual Report

## FARM MANAGEMENT

This Program is responsible to build the capacity in the Farm Management Discipline within the Department of Agriculture and the Agricultural Sector.

Table 29: Project Summary Costing

Activity	Provision
Farm Business Advisory Service	\$17,000
Commercial Farming Capacity Building	\$60,000
Farm Management Information and Manual	\$23,000
Total	\$100,000

Source: LRPD 2013 Annual Report

Since 60% of the Budget Allocation of this Program belongs to Capacity Building, the Division managed to conduct the following Trainings;

- **Quick Economic Recovery**
  - Two Farm Management Trainings were conducted at Nadave
- **Poverty Alleviation**
  - Conducted 5 trainings to improve livelihoods, in Mauni, Tailevu, Nativi in Ra, Koro in Ba, Korovou in Nawairabe and Bemana in Nadroga.
  - Farm management training for farmers in Ovalau, Koro, Cakaudrove, Bua and Macuata
  - Trainings for Bua and Kadavu Farmers
- **Facilitate Market Development**
  - Developed 6 commodity profiles (Beef, Dairy, Sheep, Poultry, Cocoa and Banana)

### Land Resource Development and Management

In 2013, there were:

1. 20 Consultation meetings held focused on Farm Management.
2. 26 farm plans completed and submitted.
3. 47 gross margins compiled through continuous consultations with stakeholders, field visits and market survey reports. This document is planned to be launched in 2014.
4. 4 quarterly reports were submitted which focused on how climate change affects the farming systems in Fiji and its impact on Fiji's Agriculture sector.





# CROP RESEARCH DIVISION



## CORE FUNCTION

“To complement and support the Ministry of Agriculture and Primary Industries through the development of new technologies and its transfer to suit the need of farmers, the clients and the stakeholders for the enhancement of the agricultural sector through applied research.”

## BUDGET

This year, the Division was allocated with \$1.23m to fund research activities in the areas of developing affordable agricultural technologies and dissemination of research findings.

**Targeted Commodities:** Rice, Dalo, Cassava, Yam, Papaya, Pineapple, Tomatoes, Chillies, Capsicum, Pulses, Maize, Coconuts, Cocoa and some minor commodities.

Table 30: Funded Capital Programs and Donor Funded Programs

CAPITAL PROJECTS	APPROVED PROVISION
Infrastructure Improvement of Research Stations	\$250,000
Agriculture Research Services- Root Crops	\$250,000
Agriculture Research Services- Tree Crops	\$100,000
Agriculture Research Services- Horticulture	\$100,000
Management of Pests	\$100,000
Agricultural Chemistry Laboratory	\$330,000
Post-Harvest Losses	\$100,000

Source: Research Division Annual Report, 2013

## 2013 ACHIEVEMENTS

A number of collaborative researches were carried out during the year including the ACIAR funded project: Soil Health Project, Integrated Crop Management; Developing Cleaner Export Pathway for Pacific Agriculture Commodities. The preparation work for the Mushroom Technology is to be funded by the Chinese government. The Pacific Adaptation to Climate Change (PACC) conducting research on lowland areas on two pilot sites in Fiji focusing on climate change adaptation and food security.

During the year also see the initiative by the research division in the reviving of the Fiji Agricultural Journal and the publication of the Volume 53 of the journal after a lapse of 17 years. This is a milestone as researchers need to publish their finding for a wide audience and the launching was done by the Permanent Secretary of Agriculture in December 2013. Dr. Apaitia Macanawai the Principal Research Officer – Plant Protection is the Chief Editor of the Fiji Agriculture Journal.

The Fiji Institute of Agriculture Science (FIAS) was also the initiative of the division also after a lapse of so many years. FIAS brings together researchers, extension officers, students and stakeholders interested in the field of agricultural science. The institute was also initiated and revived during the year.





Table 31: 2013 Research Division Achievements

Activities by Commodity	Outcome
Coconut	<ul style="list-style-type: none"> <li>77,984 coconut seed nuts were distributed to Viti Levu</li> <li>6,000 nuts were laid in the nursery for seedling production in Taveuni.</li> </ul>
Potatoes	<ul style="list-style-type: none"> <li>Preliminary fertilizer and fungicide trial on potato was undertaken although the introduction and evaluation of potato varieties activity was not funded</li> <li>4 varieties of potato were conserved in field germ-plasm and after harvest were stored in the cooler.</li> </ul>
Eggplant	<ul style="list-style-type: none"> <li>The grafting of tomatoes onto eggplant is an ongoing activity which began in 2012.</li> <li>5 eggplant varieties for rootstock were introduced from AVRDC and a grafting chamber was constructed. This technology will be further evaluated in 2014.</li> </ul>
ICM and PARDI project	<ul style="list-style-type: none"> <li>3 plastic houses were constructed at Sigatoka Research Station (SRS) and Koronivia Research Station (KRS) which will be used for conducting protected vegetable cultivation trials in 2014.</li> </ul>
Sweet corn	<ul style="list-style-type: none"> <li>A fertilizer trial on sweet corn was established using 9 different treatments including the use of lime aimed at developing a fertilizer regime for sweet corn.</li> </ul>
Okra	<ul style="list-style-type: none"> <li>An okra fertilizer trial was established beside the sweet corn trial to evaluate the effect of different fertilizers on the yield of okra.</li> </ul>
Conservation and maintenance in 4 research stations;	<ul style="list-style-type: none"> <li>18 accessions of breadfruit were maintained at Legalega Research Station (LRS),</li> <li>25 varieties of citrus were conserved</li> <li>69 mango varieties</li> <li>4 accessions at Seaqaqa Research Station (SqRS) and SRS;</li> <li>5 varieties of pineapple maintained at SqRS;</li> <li>17 banana varieties maintained at SRS;</li> <li>22 exotic fruits at SqRS, LRS &amp; SRS; and</li> <li>7 indigenous fruits conserved in-situ at SRS, SqRS, LRS</li> <li>2000 Citrus seedlings produced</li> <li>3000 Assorted Fruit Seedlings produced</li> <li>40,000 Pineapple plantlets produced</li> <li>169,000 pawpaw seedlings produced</li> </ul>
Rice	<ul style="list-style-type: none"> <li>32 introduced rice varieties from IRRI, Philippines were assessed and 4 varieties were susceptible to local brown plant hoppers.</li> <li>178 rice varieties conserved this year in the cooler</li> <li>31,346 kg of seeds was produced during the year as foundation seed</li> <li>14,880 of foundation seeds supplied to farmers</li> <li>4,170kg of milling paddy sold this year</li> </ul>
Root Crops	<ul style="list-style-type: none"> <li>Targeted Root Crops: Dalo, Cassava, Yams, Ginger, Kumala</li> <li>Revived Taro Breeding</li> <li>10 Varieties selected and cross bred with the 7 selected clones that are from cycle 6 &amp; 7 breeding lines from the Samoa Breed.</li> <li>Yam Day was conducted in July this year</li> <li>Conducted Ginger Research</li> </ul>
Tissue Culture Laboratory	<ul style="list-style-type: none"> <li>New Tissue Culture Laboratory was Constructed this year with financial assistance from Aus Aid through SPC and also from ROI Program</li> <li>Hardening Nursery renovated</li> </ul>
Cocoa	<ul style="list-style-type: none"> <li>16,860 cocoa seedlings were raised at Naduruloulou Research Station with 977 bud grafted cocoa of 82 clones</li> <li>4242 seedlings was distributed to farmers this year</li> </ul>
Pulses Research	<ul style="list-style-type: none"> <li>Established 2 demonstration plots on Sugarcane intercropping in collaboration with FSC</li> <li>31,400 seedlings of tomato, eggplant &amp; English cabbage was produced and distributed to farmers (Western Division) for rehab after Cyclone Evan.</li> <li>A total of 611.5kg of pulse seeds produced and sold to farmers</li> <li>Earned \$3,932.45 from sales of farm produce and seeds and planting material</li> </ul>

Source: Crop Research Division Annual Report, 2013

## MANAGEMENT OF PESTS

The main research activities, diagnostics and advisory services conducted in 2013 are summarised below.

Table 32: Activities and Outcomes for Quarantine Preparedness on Fruit Flies

Activities	Outcome
Increasing and Strengthening Quarantine Preparedness for Fruit flies	
Host Fruit Surveys	<ul style="list-style-type: none"> <li>55 fruits samples were collected in Viti Levu totalling 7.34 kg</li> </ul>
Fruit Fly Trapping	<ul style="list-style-type: none"> <li>166 fruit fly trap sites spread over 17 islands in the Fiji Group</li> </ul>
Pest & Disease Survey	<ul style="list-style-type: none"> <li>2 pest &amp; disease survey conducted in the Mamanuca/Yasawa islands and also in Vanua Balavu, Kanacea, Munia, Avea, Katafaga and Cikobia Islands</li> <li>124 adult beetles collected and 120 grubs</li> </ul>
Coconut Rhinoceros Beetle	<ul style="list-style-type: none"> <li>28 new fungus inoculated ground traps setup this year in Viti Levu, Vanua Levu &amp; Lau</li> <li>33 new pheromone traps placed (Viti Levu 9; Lau Group 6; North 8; Wakaya 10)</li> <li>11 coconut pest awareness trainings conducted for stakeholders this year</li> </ul>
Coconut Stick Insects	<ul style="list-style-type: none"> <li>3,238 parasitoids have been released at various infested sites in Taveuni, Vanua Levu, Lau Group, Lomaiviti Group &amp; Viti Levu this year</li> </ul>
Integrated Crop Management	<ul style="list-style-type: none"> <li>3 English cabbage trials were planted</li> </ul>
Management of Taro Beetle	<ul style="list-style-type: none"> <li>3 demonstration plots setup in Gau using the recommended insecticides, Bifenthrin &amp; Sucloprid</li> <li>Conducted Taro Beetle Survey in Buca, Cakaudrove</li> </ul>
Herbicide Efficacy Trial of African Tulip Tree	<ul style="list-style-type: none"> <li>Trial was conducted in Sigatoka</li> </ul>
Pesticide Registration	<ul style="list-style-type: none"> <li>44 new pesticide applications received and 67 applications were granted</li> <li>4 surveys conducted</li> <li>6 awareness trainings conducted to inform the retailers on the safe handling, use and storage of pesticides.</li> </ul>
Plant Protection Diagnostics & Advisory Services	<ul style="list-style-type: none"> <li>264 pest identification &amp; diagnosis conducted (10 Entomology, 122 Pathology, 113 Tropical Weed Research)</li> </ul>

## CHEMISTRY LABORATORY ACCREDITATION AND POST HARVEST LOSS

- 3,153 sampling conducted ranging from agriculture samples such as soil and plant to water and food samples
- New analytical equipment and other food processing equipment's were purchased this year [Atomic Absorption Spectrophotometer AAS, milling machine, chips slicer, bottle cap sealer, foot sealer, vacuum fryer, noodle maker and spinner].
- 58 food products from local food products were developed especially modified cassava flour.
- 12 Trainings were conducted around the country this year.
- A new wing extension of the Product Development Laboratory was built and opened by the Minister for Agriculture, Hon. Inia Seruiratu.

## AGRICULTURAL ENGINEERING

- Design and development of small-scale agricultural machinery and equipment by completing designs concept for Kumala/potato harvester and completed the specifications of the identified 14 farm machinery.
- Portable solar drier was designed and fabricated.
- Developed some technologies of per – urban agriculture container gardening techniques as this can be adopted by urban dwellers for food security and organic gardening.
- Training was conducted to extension officers on the adoption of Low-cost Minus-One Element Technique (MOET).
- Developed, fabricated and conducted trials for the 3 gasifier stoves (Utilization of biomass from agricultural waste for production of heat energy).
- Rocket stoves were developed from waste containers using small amount of fire woods (1.2 -1.4 kg).





## INFRASTRUCTURE IMPROVEMENT

- Upgraded Dobuilevu Research Station Meeting house with a cost of \$32,250.
- Renovated Farm Shed at Koronivia Research Station with a cost of \$16,392.37.

## DALO NURSERY FOR RAPID MULTIPLICATION OF EXPORT VARIETIES

- Dalo nursery was established at Koronivia during the year.
- 20,000 dalo suckers supplied to target farmers this year.

## PUBLICATION OF RESEARCH FINDINGS

- 17 Citations which include journal full papers, conference abstracts and technical bulletins represent the publications by Research Staff this year.

## OTHER ACTIVITIES

Pacific Adaptation to Climate Change (PACC) – collaborate with Research, LWRM, Extension, Farmers, Community

- 2 trial plots were established on lowland areas in Navua and Nakelo as pilot sites for the project. Testing the adaptabilities of 3 types of root crops (dalo, cassava, kumala) on lowland areas with water logging problems.
- Trials have been harvested on both sites and data collated for analysis, pending activity is to present the research finding to the PACC Team.
- PACC Team attended Climate Change awareness on villagers in Nakelo and Deuba districts including schools.

## ITPGRFA and CBD

- Consultation with Ministry of Environment on the (CBD) Convention on Biological Diversity and the ITPGRFA (International Treaty for Plant Genetic Resources for Food and Agriculture).
- Contributed to the COP 11 on the CBD Consultation.

## GEF 5 STAR – Ridge to Reef

- Attended 3 consultation with LRPD Division, DOE, MOFF & NGOs on the GEF 5 STAR on the Ridge to Reef Concept for Fiji's component on to the project with UNDP.







# ECONOMIC PLANNING & STATISTICS DIVISION







## CORE FUNCTION

“To provide appropriate policy advice, marketing information, effective project formulation and evaluation and collection of reliable agricultural statistics are always the main objectives of the Economic Planning and Statistics Division.”

The Division holds an important role to coordinate major projects implemented by the Ministry, geared towards quick economic recovery, which is a priority goal, entrusted to the Government in the Mandate.

In 2013, the Division was able to achieve the following outputs from the four main functional activities.

### POLICY ANALYSIS

- 4 Policy brief drafted this year for the following programs and commodities.  
- Agriculture, Food security, Potatoes and Rice.
- Chaired 4 Consultations Meeting for Food Security cluster (MOA lead agency).

### INTERNATIONAL RELATIONS

- There were a few numbers of MOU's facilitated this year with FMIB, Goodman Fielder, Fiji Sun, FBC, SPC and bilateral partners. MOUs with China, India, Taiwan, Indonesia and Bangladesh still in progress.
- Consultation meeting with H.E. Yogesh Karan, Fiji's Ambassador to India and Minister of Foreign Affairs – Qatar on Agriculture Market Scoping and potential investment.
- Consultation with Chinese Delegation on Mechanism of Developing Rice Industry.
- MoA Delegation attended the Cocotech Meeting in India.

### PROJECT FORMULATION & EVALUATION

In 2013, the Division were able to achieve the following outputs from the activities undertaken on Projects identification, preparation monitoring and evaluation, preparation and submission of projects according to the Ministry of Finance Proposal for Investment projects (PSIPs) and coordinates the preparation of the ministry's annual budget with emphasis on the capital expenditure on quarterly basis.

- Analysed and Submitted 95 Projects which were all approved this year.
- Monitored all Agriculture Projects that was funded from 2009-2012.
- Compiled 58 PSIP for new financial year (2014).
- Conducted 4 Geographical Divisions Training on Project Planning & Management.

### COMPILATION OF AGRICULTURE STATISTICS

The Division also compiles, collates and analyses agricultural statistics aimed to assist in policy formulation. It ensures the reliability and validity of production, trade data; collate market prices, and disseminate appropriate reports and dataset to stakeholders.

There were number of surveys conducted and completed this year on the following areas;

- Exporters and Agro-Processors Survey : 61 Trader surveyed.
- Dairy Survey: 194 Dairy Farmers surveyed.
- Livestock Feed Survey: The Survey was conducted around Viti Levu & Vanua Levu on all Companies who are processing livestock feed at large scale and smallholder operation.
- Large Scale Farmers Survey: 363 LSF covered from Northern & Western Division.

### MARKETING INFORMATION

Facilitate and improve trade of agriculture products both locally and abroad. The three major areas of focus include; Market survey, Market information and Trade facilitation.

- Conducted 44 Market Surveys in 10 major Municipal Markets.
- Completed Hotel Demand Survey to identify the food demand level.
- Attended 2 market scoping mission in New Zealand and Australia. The Fiji delegation visited some importers and conducted meetings with New Zealand and Australia's quarantine and agriculture officials to evaluate the current commodities that exist in the market, assess Fiji's market share for the major agricultural commodities and evaluate factors that are impediments to trade of agricultural products and to assess the opportunities for the existing and new commodities in these markets.

## HIGHLIGHTS OF DONOR FUNDED PROGRAMS

In 2013, there were a total of 14 donor funded (cash and aid-in kind) projects in progress implemented by various Divisions.

Table 33: Donor Funds Programmes

PROGRAMME	DONOR	IMPLEMENTING DIVISION	ACTIVITIES UNDERTAKEN:
Capacity Building & Mainstreaming of SLM in Fiji	UNDP/GEF \$16,298.00	LRPD	<ul style="list-style-type: none"> <li>Bio Physical Data Survey at Natewa and Tunuloa Districts which includes:               <ul style="list-style-type: none"> <li>Hands on refresher training with SOPAC (29th Nov – 4th Dec)</li> <li>The project field work was carried out from 09th Dec – 18th Dec).</li> </ul> </li> <li>Finalized Mapping and reports for both Tikina undergoing vetting before it will be presented back to the donor</li> </ul>
	USP/IS/SPC \$5000.00	LRPD	Bio Physical Data Survey at Sainima and Ravitaki District in Kadavu <ul style="list-style-type: none"> <li>Field work conducted for both the Tikina (1st - 16th October, 2013, with Report &amp; maps finalized on January, 2014)</li> </ul>
Integrated Water Resource Management in Fiji	GEF \$US 500,000	LWRM	** The implementation of this project will be completed in June 2014. <ul style="list-style-type: none"> <li>The activities achieved are as reported by LWRM Division in Table 48.</li> </ul>
Pacific Adaptation to Climate Change Project [PACC]	UNDP/SPREP US\$1m	LWRM	The project will be completed in 2014; a major constraint faced has been the delays by the consultant NIWA completing the climate change assessments for the Fiji project. The activities achieved are as reported by the LWRM Division in Table 48.
Disaster Risk Management	UNDP	EP&S	<ul style="list-style-type: none"> <li>Liaised with UNDP and National Planning on the hiring of a Consultant as well as the DRM Coordinating Officer, submitted the Terms of References.</li> <li>Attended Meetings and consultations with UNDP</li> </ul>
FAO USD\$1.375m*	EP&S		<ul style="list-style-type: none"> <li>Formulation of the Agriculture Policy with the hire of two consultants – 1 local and 1 international. The Policy have been submitted to the cabinet and yet to be endorsed</li> </ul>
	Research		<ul style="list-style-type: none"> <li>Avifauna Disease Survey</li> </ul>
	Research		<ul style="list-style-type: none"> <li>Codex Strategic Plan completed</li> </ul>

Source: EP&S Annual Report, 2013. Note: \* includes fisheries and forests

Table 34: Aid in Kind Programs 2013

No.	PROGRAMME	APPROVED	DONOR	UPDATE
1.	Mushroom Technology Demonstration Centre	FJD\$14 m	China	An implementation plan for the project was sent to the Ministry in August from the Chinese government and activities began in 2013. Support activities undertaken for construction of mushroom production and demonstration facility: <ul style="list-style-type: none"> <li>Fruit Trees removed from mushroom project area</li> <li>Project area slashed twice</li> <li>Relocation of fruit germplasm plot</li> <li>250 m of fence line repaired</li> </ul>





2.	Strengthening the Fiji Papaya Industry	FJD\$166,760	AUSAID	<p>Work of the Fiji Papaya Project included the following:</p> <ul style="list-style-type: none"> <li>• Fruit quality assessments to identify strengths and weaknesses for Fiji's papaya exports</li> <li>• Work on hot water treatment as a means of reducing post-harvest disease of papaya;</li> <li>• Training on developing a participatory guarantee system (PGS) for Fiji Papaya;</li> <li>• Export stimulus scheme was also provided for exporter's recovery after the floods of 2012.</li> <li>• Monthly Monitoring</li> </ul>
3.	Tropical Vegetable, Fruit Cultivation and Extension	FJD\$450,000	Taiwan	Continues trials on vegetables. The Taiwan team was part of the Agriculture Show to showcase and sell some of the crops they were working with.
4.	Pacific Agribusiness Research for Development Initiative	FJD\$1,066,142	AUSAID	Held a series of joint conversation-based postharvest small holder vegetable farmer training workshops with growers in both the east and west bank, Sigatoka from 19-23rd August including the extension staff. Some of the works done were presented at the TFNet workshop held in Suva from 25-17th August.
5.	Pacific Horticulture and Agricultural Market Access	FJD\$2,181,000	AUSAID	Phase 1 of the project was completed which included strengthening of the export pathways for papaya, eggplant and the cleaner export pathway for taro. Ginger market to Australia opened during the 1st Phase of the project. 2nd Phase of the project was launched on 16th August which will search for markets for other products that has commercial potential.
6.	Strategies for Floriculture Indigenous Australian and Pacific Island Communities	FJD\$206,108	AUSAID	
7.	Enhance Resilience Building & Vegetative Mapping	FJD\$254,429	SPC	<p>Liaising with SPC in progress:</p> <p>Activities undertaken:</p> <ul style="list-style-type: none"> <li>• Upgrade from 3.2 to 10.1 latest software incorporation with new Tribly-Dunno 3D GPS software in collaboration with GIZ</li> </ul>
8.	Land resources Development and Management a) Resource owners and land users securing long-term income from environmentally sustainable land development and management practices	SPC – Joint Country Strategy		<p>Activities undertaken:</p> <ul style="list-style-type: none"> <li>• Draft decree already finalized and submitted with Cabinet paper to SG's office for submission for cabinet endorsement.</li> <li>• Conducted SLM Meetings and present progress on SLM implementation throughout Fiji</li> </ul>
	b) Plant Health Programme [PHP]			<ul style="list-style-type: none"> <li>• IPM in brassicca production project – 2 tomato varieties, chilly variety published</li> <li>• MEA-Pesticides Project – Trainings for trainers and FFS in Sigatoka Valley</li> <li>• Irish Potato Evaluation – 3 Tissue cultured varieties obtained from CePac and kept at SRS and awaiting the tropical varieties from Indonesia to carry out adaptive research.</li> <li>• Chilly Anthracnose Management – Certain investigations will be done such as varietal screening and fungicide efficacy evaluation</li> <li>• Soil Health Management Project – Trial on Mucuna in Naitasiri [conducting field investigations isolating biological factors responsible for soil nutrient depletion</li> </ul>

	c) Animal Health Programme [AHP]			<ul style="list-style-type: none"> <li>• Conduct paravet program for animal health workers, quarantine officers and others</li> <li>- Pilot Food Safety and Meat Hygiene Module Training conducted</li> <li>• Training provided in the development of ERPs for animal health issues, development of SOPs, establishment of animal disease surveillance systems, disease investigation/diagnosis and treatment, vet lab technicians, use of RTKs, PPEs, establishment of bio security zones procurement of equipment of vet lab, animal health workers, ERP Operational Rooms.</li> <li>- Animal Disease Surveillance Training [PHAMA]</li> <li>- Assist in improvement of existing SOPs for laboratory, specimen shipping and ERP SOPs [FABN]</li> <li>• Provided technical guidance, training and financial assistance on brucellosis eradication, termite eradication and iguana eradication</li> <li>- Technical advice to AH&amp;P on health animal issues</li> <li>- Laboratory technicians capacity building training and workshop [FABN]</li> <li>- Selection of Fiji contact person for FABN Project</li> <li>- Brucellosis prevalence and detection surveys [FABN]</li> <li>• Provided animal health technical inputs into BIF</li> <li>- Assist updating of BIF with respect to Animal health issues [PHAMA]</li> </ul>
9.	Plant Health [PH]		AUSAID	<ul style="list-style-type: none"> <li>• Technical assistance provided. Developing disaster mitigating strategies and provision of seedlings</li> </ul>

Source: EP&S Annual Report, 2013





# HUMAN RESOURCES, FINANCE & INFORMATION DIVISION





## CORE FUNCTION

"To review current organisational structure and implement public service reforms, implement best practices in human resource management, enhance upholding of values and codes of conduct, develop and promote professionalism, implement effective training programs, collate effective asset management of the Ministry and ensuring good governance in administration and deployment of financial and other resources among other responsibilities." The Human Resource, Finance and Information Division coordinate and facilitate all the support services arms of the Ministry.

## POST PROCESSING MANAGEMENT

In 2013, the Human Resource Division was able to advertise a total of 131 established positions and 26 Government Wage Earner positions. There were 143 contracts issued for the established positions during the year which includes contract renewals.

## ETHICS & DISCIPLINE

The Division plays a key role in ensuring proper administration of disciplinary process and prompt addressing of breaches of Public Service Code of Conduct. In line with the requirement of the 2013 Fiji Constitution; the current Disciplinary Process and Policy relating to disciplinary issues are being reviewed. The total disciplinary cases of the Ministry for 2013 were 17.

## INFORMATION TECHNOLOGY & COMMUNICATION

During the year, the ITC unit of the Ministry provided GOVNET access to staff in Korovou and Nacocolevu, revamped PABX at HQ, the Ministry's website and at Koronivia with the help of ITC. The unit also developed the migration of Tikina Profile Survey System and revamped the consolidation of EP&S (Census) Access databases into SQL Server and additional work is expected to be continued in 2014.

## NEWSPAPER PUBLICATION

The Ministry also managed to release 154 stories this year and incurred a total cost of \$243,746 for Newspaper Publications. The total cost of publication in 2013 was \$243,746 (Figure 11). Similar to previous years, Fiji Sun provided the highest publicity to the Agriculture Ministry. Fiji Sun was one of the sponsors of Agriculture show and the publicity of the show led to an increase in the advertisement costs. Fiji Times was the second popular media which provided \$94,511.88 worth of publicity in 2013. Fiji Focus is a publication released by the Ministry of Information every fortnight on Sunday's and included as a pamphlet in Fiji Sun. The Ministry also sends publications to City Star based in Western Division while articles are also published in Hindi vernacular in the Shanti Dut.

## AGRICULTURE DOCUMENT PUBLICATION

The Ministry has designed and finalized the SEA booklet and the Fiji Agriculture Journal in 2013. One of the major achievements was the successful completion of Crest Agriculture Show publications. All the publications were uploaded to the Ministry's Website ([www.agriculture.com.fj](http://www.agriculture.com.fj)) which has become a new tool for the dissemination of agriculture information. This year, a total of 475 Crop Farmer's Guide and 14,940 farmers leaflet were published.

## Radio Programs

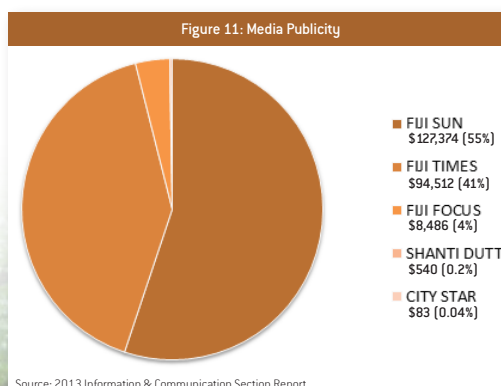
The unit started the year very well in its effort to inform and educate farmers and other stakeholders involved in agriculture sector. During the year, 494 radio programs were aired against a target of 500.

Table 35: Number of Activities targeted and achieved in 2013

Radio Unit	2013	
	Target	Achievement
Issues covered	768	1033
No. of programmes	500	494
News Value (Radio/TV)		\$262,400.00
Number of direct radio interviews	4	8
Number of Radio Talk Shows	12	16
Number of TV Talk Shows	4	5
Number of TV news items	12	54

Source: HRFI Division, 2013

Figure 11: Media Publicity



Source: 2013 Information & Communication Section Report





# FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 DECEMBER 2013



## REPUBLIC OF FIJI

## OFFICE OF THE AUDITOR GENERAL



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## INDEPENDENT AUDITOR'S REPORT

## MINISTRY OF AGRICULTURE

## FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 DECEMBER 2013

## Scope

I have audited the special purpose financial statements which have been prepared under the cash basis of accounting and notes thereon of the Ministry of Agriculture for the year ended 31 December 2013, as set out on pages 6 to 18. The financial statements comprise the following:

- (i) Statement of Receipts and Expenditure;
- (ii) Appropriation Statement;
- (iii) Consolidated TMA - Manufacturing Account;
- (iv) Consolidated TMA - Trading Account;
- (v) Consolidated TMA - Profit and Loss Statement;
- (vi) Consolidated TMA - Balance Sheet;
- (vii) Trust Account Statement of Receipts and Payments; and
- (viii) Statement of Losses

The management of the Ministry of Agriculture is responsible for the preparation and presentation of the special purpose financial statements and the information contained therein.

My responsibility is to express an opinion on these special purpose financial statements based on my audit.

My audit was conducted in accordance with the International Standards on Auditing to provide reasonable assurance as to whether the special purpose financial statements are free of material misstatements. My audit procedures included examination, on a test basis, of evidence supporting the amounts and other disclosures in the special purpose financial statements and evaluation of accounting policies. These procedures have been undertaken to form an opinion as to whether, in all material respects, the special purpose financial statements are fairly stated and in accordance with government policies in Note 2 and the Audit Act and the Financial Management Act 2004, so as to present a view which is consistent with my understanding of the financial performance of the Ministry of Agriculture for the year ended 31 December 2013.

The audit opinion expressed in this report has been formed on the above basis.





### Qualifications

1. Included in the Trading and Manufacturing Account (TMA) Balance Sheet is TMA Surplus Capital Retained of \$2,263,536 and TMA Accumulated Surplus of \$422,471. I was not able to verify the amounts as the Ministry was not able to provide appropriate audit evidence to support the balances. As a result, I was not able to ascertain the accuracy and completeness of the Trading and Manufacturing Account as at 31 December 2013.
2. There is an un-reconciled difference amounting to \$412,959.29 between the General Ledger (FMIS) and TMA bank reconciliation for Cash at Bank. Accordingly, I have been unable to ascertain the accuracy and completeness of the TMA Cash at bank of \$782,487 as shown in the TMA Balance Sheet as at 31 December 2013.
3. Included in the TMA Trading Account is Closing Stock of Finished Goods of \$1,058,578. I do not express an opinion on the accuracy and completeness of Closing Stock of Finished Goods as the Ministry did not carry out an independent stock take for the year ended 31 December 2013.
4. The Ministry was not able to provide appropriate audit evidence to reconcile and ascertain the accuracy and completeness of the Trust Fund Cash at bank –Retention Fund (LWRM) balance of \$759,562 and Trust Fund –Retention Fund balance of \$203,063 as shown in the General Ledger (FMIS) with the Trust Fund balance \$323,498 reflected in the Trust Account Statement as at 31 December 2013.
5. The Ministry did not submit a Statement of Losses for its fixed assets contrary to Finance Instructions 2010 Section 71(1) (e). In the absence of the updated Fixed Assets Register and Board of Survey report, the losses, if any, that occurred during the year could not be substantiated.

### Audit Opinion

In my opinion:

- (a) Except for the matters referred to in the qualification paragraphs, the financial statements present fairly, in accordance with the accounting policies stated in Note 2, the financial performance of the Ministry of Agriculture for the year ended 31 December 2013.
- (b) the financial statements give the information required by the Financial Management Act 2004 in the manner so required.

Without further qualifying the accounts, attention is drawn to the following:

- Section 15 of the Finance Instructions 2010 requires all payments to be recorded in the financial management information system (FMIS) and an Expenditure Ledger. The Ministry prepared its financial statements from the FMIS without reconciling to an Expenditure Ledger as there was none maintained by the Ministry.

  
Tevita Bolanavanua  
AUDITOR GENERAL



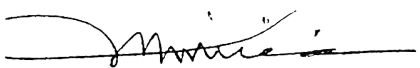
8 May 2014  
Suva, Fiji

MINISTRY OF AGRICULTURE  
MANAGEMENT CERTIFICATE  
FOR THE YEAR ENDED 31 DECEMBER 2013

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We certify that these financial statements:

- (a) fairly reflect the financial operations and performance of the Ministry of Agriculture and its financial position for the year ended 31 December 2013; and
- (b) have been prepared in accordance with the requirements of the Financial Management Act 2004 and the Finance Instructions 2010.



Ropate Ligairi  
Permanent Secretary

Date: 7/5/14.



Pramendra Nair  
Acting Principal Accounts Officer

Date: 21/5/14.





MINISTRY OF AGRICULTURE  
STATEMENT OF RECEIPTS AND EXPENDITURE  
FOR THE YEAR ENDED 31 DECEMBER 2013

	Notes	2013 \$	2012 \$
<b>RECEIPTS</b>			
Agricultural produce & inspection fees		1,695	37,254
License		60,558	60,941
Meat inspection		20,256	21,928
Veterinary and animal quarantine		20,525	13,061
Sale of sheep & wool		20,276	15,233
Rest house		8,682	6,446
Hire of plant and vehicle		146	4
Rental for quarters		58,795	36,165
Rental for building		1,956	2,311
Registration		3,260	2,096
Commission		7,342	7,006
Sale of farm product		48,211	32,203
Sale of surplus farm produce		6,070	4,628
Miscellaneous revenue		184,897	118,929
Overpayment recoveries		93,019	387,574
Agricultural landlord and tenant		1,743	2,851
Water charges		9,789	8,356
Rural electrification		1,034	2,055
<b>Total Receipts</b>	<b>3 (a)</b>	<b>548,254</b>	<b>759,041</b>



MINISTRY OF AGRICULTURE  
STATEMENT OF RECEIPTS AND EXPENDITURE (continued)  
FOR THE YEAR ENDED 31 DECEMBER 2013

	Notes	2013 \$	2012 \$
<b>EXPENDITURE</b>			
Established Staff		10,352,996	10,442,106
Government Wage Earners	3(b)	5,218,794	4,642,540
Travel & Communication		984,850	603,569
Maintenance & Operations	3(c)	2,170,291	1,645,243
Purchase of Goods & Services		738,443	604,173
Operating Grants & Transfers		1,736,027	2,108,385
Special Expenditure	3(d)	1,402,921	791,325
<b>Total Operating Expenditure</b>		<b>22,604,322</b>	<b>20,837,341</b>
Capital construction	3(e)	15,748,599	15,303,347
Capital purchases	3(f)	473,113	712,203
Capital grants and transfers	3(g)	3,007,303	6,137,172
<b>Total Capital Expenditure</b>		<b>19,229,015</b>	<b>22,152,722</b>
Value Added Tax		3,150,275	2,771,169
<b>TOTAL EXPENDITURE</b>		<b>44,983,612</b>	<b>45,761,232</b>





MINISTRY OF AGRICULTURE  
APPROPRIATION STATEMENT  
FOR THE YEAR ENDED 31 DECEMBER 2013

SEG	Item	Budget Estimate	Appropriation Changes (Note 4)	Revised Estimate	Actual Expenditure	Carry -Over \$	Lapsed Appropriation
		\$	\$	\$	\$		\$
1	Established Staff	12,006,071	(379,824)	11,626,247	10,352,996	-	1,273,251
2	Government Wage Earners	5,684,224	13,566	5,697,790	5,218,794	-	478,996
3	Travel & Communication	813,540	213,244	1,026,784	984,850	-	41,934
4	Maintenance & Operations	2,118,100	156,523	2,274,623	2,170,291	-	104,332
5	Purchase of Goods & Services	699,300	109,626	808,926	738,443	-	70,483
6	Operating Grants & Transfers	2,091,000	(298,612)	1,792,388	1,736,027	-	56,361
7	Special Expenditure	2,411,600	(366,833)	2,044,767	1,402,921	-	641,846
	Total Operating Costs	25,823,835	(552,310)	25,271,525	22,604,322	-	2,667,203
	Capital Expenditure					-	
8	Construction	17,540,000	(834,681)	16,705,319	15,748,599	-	956,720
9	Purchases	430,000	26,966	456,966	473,113	-	(16,147)
10	Grants & Transfers	4,300,000	(1,292,697)	3,007,303	3,007,303	-	0
	Total Capital Expenditure	22,270,000	(2,100,412)	20,169,588	19,229,015	-	940,573
13	Value Added Tax	3,511,092	31,384	3,542,476	3,150,275	-	392,201
	TOTAL EXPENDITURE	51,604,927	(2,621,338)	48,983,589	44,983,612	-	3,999,977

MINISTRY OF AGRICULTURE  
 CONSOLIDATED TMA - MANUFACTURING ACCOUNT  
 FOR THE YEAR ENDED 31 DECEMBER 2013

	2013 \$	2012 \$
Opening Raw Material	-	-
Add: Purchases	834,816	1,089,728
	<u>834,816</u>	<u>1,089,728</u>
Less: Closing Raw Material	-	-
Raw Material Used	<u>834,816</u>	<u>1,089,728</u>
Add: Direct labour	15,120	11,022
Cost of Manufacturing Goods transferred to Trading Account	<u>858,936</u>	<u>1,100,750</u>





MINISTRY OF AGRICULTURE  
CONSOLIDATED TMA - TRADING ACCOUNT  
FOR THE YEAR ENDED 31 DECEMBER 2013

	Note	2013 \$	2012 \$
Sales	3(h)	1,122,508	1,406,042
Opening stock of finished goods		1,128,750	988,079
Add: Cost of manufactured goods		858,936	1,100,750
		<u>1,987,686</u>	<u>2,088,829</u>
Less: Closing stock of finished goods		1,058,578	1,128,750
Cost of finished goods sold		<u>929,108</u>	<u>960,079</u>
Gross profit		<u>193,400</u>	<u>445,963</u>



MINISTRY OF AGRICULTURE  
 CONSOLIDATED TMA - PROFIT AND LOSS STATEMENT  
 FOR THE YEAR ENDED 31 DECEMBER 2013

	2013 \$	2012 \$
<b>INCOME</b>		
Gross profit/(loss) transferred from trading account	193,400	445,963
<b>Total income</b>	<b>193,400</b>	<b>445,963</b>
<b>EXPENSES</b>		
Travelling & communication expenses	14,284	17,447
Maintenance & operation	179,911	207,167
Other expenses	865	109,244
<b>Total expenses</b>	<b>195,060</b>	<b>333,858</b>
<b>Net(loss)/ profit</b>	<b>(1,660)</b>	<b>112,105</b>





MINISTRY OF AGRICULTURE  
CONSOLIDATED TMA - BALANCE SHEET  
AS AT 31 DECEMBER 2013

	2013 \$	2012 \$
<b>Current Assets</b>		
Cash	782,487	365,088
Accounts receivable	-	2,075
Finished goods	1,058,578	1,128,750
	<u>1,841,065</u>	<u>1,495,913</u>
<b>Current liability</b>		
Payable	-	-
	<u>-</u>	<u>-</u>
<b>NET ASSETS</b>	<u>1,841,065</u>	<u>1,495,913</u>
<b>Equity</b>		
TMA Surplus Capital Retained	2,263,536	2,265,197
TMA Accumulated Surplus	(422,471)	(769,284)
<b>TOTAL EQUITY</b>	<u>1,841,065</u>	<u>1,495,913</u>



MINISTRY OF AGRICULTURE  
 LAND WATER RESOURCE MANAGEMENT AND LAND RESETTLEMENT PLANNING  
 AND DEVELOPMENT  
 TRUST ACCOUNT STATEMENT OF RECEIPTS AND PAYMENTS  
 FOR THE YEAR ENDED 31 DECEMBER 2013

	2013 \$	2012 \$
<b>RECEIPTS</b>		
Retention money	-	134,190
<b>Total receipts</b>		<b>134,190</b>
<b>PAYMENTS</b>		
Retention money	6,445	66,487
<b>Total payments</b>	<b>6,445</b>	<b>66,487</b>
<b>(Deficit)/ Surplus</b>	<b>(6,445)</b>	<b>67,703</b>
Opening balance as at 1 January	329,943	262,240
<b>Closing balance as at 31 December</b>	<b>323,498</b>	<b>329,943</b>





MINISTRY OF AGRICULTURE  
STATEMENT OF LOSSES  
FOR THE YEAR ENDED 31 DECEMBER 2013

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Loss of Assets (Livestock)

Loss of livestock resulted from death of sheep, pig and cattle. The losses do not include submissions for write offs from the annual board of survey.

Livestock Commodity	Amount (\$)
Sheep	10,156
Pig	853
Cattle	8,750
Goat	2,843
Horse	900
Total	23,502



**MINISTRY OF AGRICULTURE**  
**NOTES TO AND FORMING PART OF THE FINANCIAL STATEMENTS**  
**FOR THE YEAR ENDED 31 DECEMBER 2013**

**NOTE 1: REPORTING ENTITY**

The Ministry of Agriculture focuses on diversifying, be market driven and improvement in its service delivery to realise the sector's full potential. Diversification into niche export and domestic markets is therefore necessary thus priority are given to:

- facilitating private sector involvement in the development of agri-business;
- capacity building of farmers to raise levels of production from semi-subsistence to commercial levels;
- enhancement of Agricultural linkages; and
- promote food security and ensure sound land management and development.

**NOTE 2: STATEMENT OF ACCOUNTING POLICIES**

**(a) Basis of Accounting / Presentation**

In accordance with Government accounting policies, the financial statements of the Ministry of Agriculture is prepared on cash basis of accounting. All payments related to purchases of fixed assets have been expensed.

The financial statements are presented in accordance with the Financial Management Act and the requirements of Section 71(1) of the Finance Instructions 2010. The preparation and presentation of a Statement of Assets and Liabilities is not required under the current Government policies, except for that of the Trading and Manufacturing Accounts.

**(b) Accounting for Value Added Tax (VAT)**

All income is inclusive of VAT while all expenses are VAT exclusive. The Ministry on a monthly basis takes out VAT output on total money received for expenditure from Ministry of Finance. VAT input on the other hand is claimed on payments made to the suppliers and sub-contractors for expenses incurred.

The VAT payment as per the statement of receipts and expenditure relates to the VAT input claimed on payments made to the suppliers and sub-contractors for expenses incurred and VAT payments to FRCA. Actual amount paid to FRCA during the year represent the difference between VAT Output and VAT Input.

**(c) Comparative Figures**

Where necessary, amounts relating to prior years have been reclassified to facilitate comparison and achieve consistency in disclosure with current year amounts.

**(d) Revenue Recognition**

Revenue is recognised when actual cash are received by the Ministry.



MINISTRY OF AGRICULTURE  
NOTES TO AND FORMING PART OF THE FINANCIAL STATEMENTS (continued)  
FOR THE YEAR ENDED 31 DECEMBER 2013

67

NOTE 2: STATEMENT OF ACCOUNTING POLICIES (continued)

(e) Consolidated Trading and Manufacturing Activity

The consolidated Trading and Manufacturing Activity consist of Commercial Undertaking Livestock, Crop Extension, Machinery Operation Hire and Fuel & Oil operation.

NOTE 3: SIGNIFICANT VARIATIONS

- (a) Total revenue decreased by \$210,787 or 28% in 2013 mainly attributed to less regularization of stale cheques or improvement noted in the timely clearance of the cheques which was mainly due to new Electronic Fund Transfer system being adopted by the Ministry in 2013.
- (b) Government Wage Earners increased by \$576,254 or 12% in 2013 compared to 2012. It was mainly attributed to increase in wages of all the government wage earners earning below \$10,000 in 2013 following the budget announcement in November 2012.
- (c) Maintenance and Operations increased by \$525,048 or 32% in 2013 compared to 2012. It was mainly attributed to increase in the cost of vehicle upkeep and the utility charges.
- (d) Special Expenditure increased by \$611,596 or 77% in 2013 compared to 2012. It was mainly attributed to Ministry hosting the Asia Pacific Coconut and Commonwealth Vet Association meeting and organising the Agriculture Show at Northern and Western Division.
- (e) Capital Construction increased slightly by \$445,252 or 3% in 2013 mainly due to increase in expenditure for the on-going capital programs. Capital programs undertaken during the year were mainly related to the Crop Extension Services Livestock Extension Services, Research, Irrigation Improvement and Land, Drainage and Flood Protection services provided by the Ministry.
- (f) Capital Purchases decreased by \$239,090 or 34% in 2013 when compared to 2012. It was in accordance with the annual budget appropriation allocation.
- (g) Capital Grants and Transfers decreased by \$3,129,869 or 51% in 2013 compared to 2012. The decrease was due to reduction in grants allocation to the Biosecurity Authority of Fiji, drainage subsidy (Drainage Boards) and Dairy Industry Development Support (Fiji Cooperative Dairy Limited) in 2013.
- (h) The TMA sales decreased by \$283,534 or 20% mainly due to decrease in sale of fencing materials in 2013.
- (i) The TMA expenses decreased by \$138,797 or 42% mainly due to some of its operation cost being met from the operating funds instead of TMA operation allocation.

**MINISTRY OF AGRICULTURE**  
**NOTES TO AND FORMING PART OF THE FINANCIAL STATEMENTS (continued)**  
**FOR THE YEAR ENDED 31 DECEMBER 2013**

**NOTE 4: APPROPRIATION MOVEMENTS**

Following the Cabinet decision, Ministry of Finance redeployed \$2,621,338 from the Ministry's 2013 budget to other Ministries and Departments. The funds were redeployed from the following SEG's:

SEG	Allocation	Amount \$
SEG 6	Operating Grants & Transfers	(200,000)
SEG 7	Special Expenditure	(103,341)
SEG 8	Capital Construction	(1,167,300)
SEG 10	Capital Grants and Transfers	(1,150,697)
<b>TOTAL</b>		<b>(2,621,338)</b>

Other movements were made through virements as follows:

SEG	Allocation	From	To	Net Change \$
1	Established Staff	383,824	4,000	(379,824)
2	Government Wage Earners	100	13,666	13,566
3	Travel and Communication	-	213,244	213,244
4	Maintenance and Operation	700	157,223	156,523
5	Purchase of Goods and Services	-	109,626	109,626
6	Operating Grants & Transfers	98,612		(98,612)
7	Special Expenditure	285,410	21,918	(263,492)
8	Capital Construction	1,176,301	1,508,919	332,618
9	Capital Purchase	-	26,966	26,966
10	Capital Grants and Transfers	142,000	-	(142,000)
13	VAT	206,892	238,276	31,384

**NOTE 5: ARREARS OF REVENUE**

As at 31 December 2013, the Arrears of Revenue had a balance of \$811,131. The amount comprised of recoveries due from farmers assisted under various farming assistance scheme in previous years. The major components of the arrears are due for more than five years and are irrecoverable hence Ministry is liaising with Ministry of Finance for possible write-offs.

**NOTE 6: OPERATING TRUST FUND ACCOUNT**

As at 31 December 2013, the Operating Trust Fund Account had an overdrawn balance of \$1,195,464. This is mainly made up of Employees superannuation contributions to FNPF, PD Tax Arrears/ PAYE and Miscellaneous fund.





MINISTRY OF AGRICULTURE  
NOTES TO AND FORMING PART OF THE FINANCIAL STATEMENTS (continued)  
FOR THE YEAR ENDED 31 DECEMBER 2013

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NOTE 7: REVOLVING FUND ACCOUNT - MISCELLANEOUS

As at 31 December 2013, the Ministry had a balance of \$2,839,208 in the RFA - miscellaneous account. The amount is mainly made up Advances.

Apart from the above balance, \$240,695 is reflected under SLG 84 (Accounts Payable). This allocation comprised of funds relating to the withholding tax payable and ACIR Project.

NOTE 8: DRAWINGS ACCOUNT

At balance date, there were funds amounting to \$2,042,761 under Drawings Account. These monies relate to cheques written by the Ministry that remained un-presented to the bank as at balance date.

