

Summary of Financial Allocation

Rs.

Research

1	Possibilities to Minimize Existing Pesticide usage in Paddy cultivation: An Emphasis on Risk Management	900,000.00
2	An ongoing Evaluation of Sri Lanka GAP for Fruit & Vegetable sector	700,000.00
3	Performance of Existing Value Chains in Sri Lankan Dairy Industry	600,000.00
4	Present Performance and Consumer Preference for Hela Bojun Hal: In the case of Hela Bojun Hal in Central Province	700,000.00
5	Status and Empowerment Needs of SITAMU Women's Farmer Organizations (WFOs)	950,000.00
6	Outreach and Effectiveness of Micro-financing for Poverty Reduction: The Case of Uva Province	900,000.00
7	Causality, Nature and Magnitude of Human-Wildlife Conflict(HWC) in Uva and Eastern Wildlife Regions in Sri Lanka	1,000,000.00
8	Investment in Research and Development of Agriculture: A Brief Review (Phase 1)	700,000.00
9	Study of the performance of Agricultural Insurance Schemes in Sri Lanka	500,000.00
10	Public-Private Partnership Prospects for Quality Seed Potato Production in Sri Lanka	700,000.00
11	Agricultural Water Management and Productivity Issues in the Northern Region of Sri Lanka	400,000.00
12	Increasing Climate Resilience through Rehabilitation of Abandoned Village Tanks in Moneragala District	200,000.00
13	Climate Change Vulnerability of Selected Farming Systems in the Dry Zone of Sri Lanka	1,000,000.00
14	Potential of Vegetable Cultivation in Dry Zone areas using Protected Agriculture as a Climate Change Adaptation Tool	300,000.00
15	Potential of Promoting Rainwater as a Source of Safe Water Consumption in North Central Province in Sri Lanka	900,000.00
16	A Study on Alternatives for Polythene Shopping Bags and Lunch Sheets in Sri Lanka	800,000.00
17	Monitoring of Research & Training Programme	50,000.00
Sub Total for Research		11,300,000.00

Research studies continue from 2017 (No financial commitments)

- 18 Factors Determining Fruit Cultivation in Home Gardens in Sri Lanka
- 19 Importance of Indigenous Knowledge (IK) for food security; In relation to crop cultivation
- 20 Farmers Perspective of Current Status and Future Direction of Public and Private Sector intervention on Paddy Marketing in Sri Lanka
- 21 Fertilizer Cash Grant Programme in Sri Lanka: A Socio-economic Review

Training

- 1 Training programme on Application of Participatory Technique (RRA,PRA&PCM for Planning &Management of Rural Community Development project). 600,000.00
- 2 Training programme on Social Mobilization 600,000.00
- 3 Training programme on Agri-business Management 500,000.00
- 4 Training programme on Strengthening of Farmer Organizations 700,000.00
- 5 Training programme on Agriculture for Healthy Generation 800,000.00
- 6 Training programme on Women Farmer Empowerment 900,000.00

Sub Total for Training 4,100,000.00

Publication

- 1 International Workshop-CIRDAP/HARTI 2,200,000.00
- 2 Seminar, Workshop, Public Lectures 200,000.00
- 3 Institute Publication &Media Work 2,000,000.00
- 4 Exhibition 100,000.00
- 5 Research and Training Committee 100,000.00

Sub Total for Publication 4,600,000.00

Capital Expenditure for Assets

1	Buildings	8,500,000.00
2	Furniture and Office Equipment	3,520,000.00
3	Computer	1,180,000.00
4	Books	800,000.00
	Sub Total for Assets	14,000,000.00
	Total for CAPITAL	34,000,000.00

Updated : 07.02.2018

Action Plan - 2018

AP-SP - 01

Department :	Project Name : Possibilities to Minimize Existing Pesticide usage in Paddy cultivation: An Emphasis on Risk Management
Institute : Hector Kobbekaduwa Agrarian Research & Training Institute	Objective : To identify possibilities to minimize existing pesticide use based on technical aspect of pesticide use, farmer's perception of risk of crop loss due to pest damage, risk of health due to pesticide use and other socio-economic factors.
Division : Agriculture Policy and Project Evaluation Division	KPI : Number of entities using information of this research, number of research citation of this report
Vote No :	Outcome : Utilization of research report and information of this research for policy formulation

Activity	Allocation (Rs.Mn)	Cumulative Targets 2018								Annual physical Target (In figures)	Implemented Area	Responsibility 1. Name 2. Cont. No 3. Email
		Financial (Rs.Mn)				Physical (%)						
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
1. Proposal preparation	0.9					10					The study locations will be finalized after Research & Training Committee (RTC) comments	Ms. A.K.A. Dissanayake, Research Officer 071-8732678akadissanayake@gmail.com
2. Preparation of questionnaire												
3. Data Collection		0	0.3	0.6	0.9		20	40				
4. Data analysis								50				
5. Report writing									60			
6. Submission of first draft (to head)									70			
Total			0	0.3	0.6	0.9	10	20	50	70		

01. Preparation of proposal	10%	02. Data Collection	40%	03. Data analysis	50%	04. Submission of first draft (to head)	70%
05. Submission of first draft to AD	75%	06. Study circle presentation	80%	07. Obtaining RTC (external) comments	90%		
08. Editing & proof reading	95%	09. Printing process	100%				

Action Plan - 2018

AP-SP - 02

Department :
Institute : Hector Kobbekaduwa Agrarian Research & Training Institute
Division : Agriculture Policy and Project Evaluation Division

Project Name : An ongoing Evaluation of Sri Lanka GAP for Fruit & Vegetable sector
Objective : To find constraints in implementing the Sri Lanka GAP
KPI : Type and number of positive changes made in GAP implementation Program, increased number of farmers using GAP program

Vote No : **Outcome** : Improvement of implementation of GAP program

Activity	Allocation (Rs.Mn)	Cumulative Targets 2018								Annual physical Target (In figures)	Implemented Area	Responsibility 4. Name 5. Cont. No 6. Email
		Financial (Rs. Mn)				Physical (%)						
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
1. Preparation of proposal	0.7					10					Gampaha, Kandy, Matale, Rathnapura	Ms. B.A.D.S. Bamunuarachchi, Research Officer 071-8472697 dilupabamu@gmail.com
2. Data collection		0.05	0.30	0.6	0.7	20	40					
3 Data Analysis								50				
4. Submission of first draft (Head)									70			
Total			0.05	0.30	0.6	0.7	20	40	50	70		

01. Preparation of proposal 10% 02. Data Collection 40% 03. Data analysis 50% 04. Submission of first draft (to head) 70%
 05. Submission of first draft to AD 75% 06. Study circle presentation 80% 07. Obtaining RTC (external) comments 90%
 08. Editing & proof reading 95% 09. Printing process 100%

Action Plan - 2018

AP-SP – 03

Department :	:	Project Name :	: Performance of Existing Value Chains in Sri Lankan Dairy Industry
Institute :	: Hector Kobbekaduwa Agrarian Research & Training Institute	Objective :	: To identify potentials of increasing efficiency of existing value chains and examine new value chains in Sri Lankan dairy industry
Division :	: Agriculture Policy and Project Evaluation Division	KPI :	: Number of stakeholders who have been aware of potentials of increasing efficiency of existing dairy value chains and new dairy value chains
Vote No :	:	Outcome :	: Utilization of information on increasing efficiency of existing value chains and new value chains of Sri Lankan dairy industry

Activity	Allocation (Rs.Mn)	Cumulative Targets 2018								Annual physical Target (In figures)	Implemented Area	Responsibility
		Financial (Rs.Mn)				Physical (%)						
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
1. Proposal preparation	0.6						10				Will be selected	Ms. SagarikaHitihamu 0714434583 sagarikajayalath@gmail.com
2. Questionnaire preparation							15					
3. Pretesting								20				
4. Data collecting			0.03	0.41	0.6			30	35			
Total		-	0.03	0.41	0.6	-	15	30	35	35		

01. Preparation of proposal 10% 02. Data Collection 40% 03. Data analysis 50% 04. Submission of first draft (to head) 70%
 05. Submission of first draft to AD 75% 06. Study circle presentation 80% 07. Obtaining RTC (external) comments 90%
 08. Editing & proof reading 95% 09. Printing process 100%

Action Plan - 2018

AP-SP – 04

Department : **Project Name :** Present performance and consumer preference for Hela Bojun Hal: in the Case of Hela Bijun Hal in Central Province

Institute : Hector Kobbekaduwa Agrarian Research & Training Institute **Objective :** To study present status and performance of stakeholders related to HelaBojun Hal

Division : Agriculture Policy and Project Evaluation Division **KPI :** Number of positive changes in role of each stakeholder with regard to HelaBojun Hal

Vote No : **Outcome :** Positive changes in role of stakeholders with regard to HelaBojun Hal

Activity	Allocation (Rs.Mn)	Cumulative Targets 2018								Annual physical Target (In figures)	Implemented Area	Responsibility 01. Name 02. Cont. No 03. Email
		Financial (Rs.Mn)				Physical (%)						
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
1. Proposal preparation	0.7										Will be selected	Ms. M.D. Susila Lurdu 077-8588172 susilalurdu@yahoo.com
2. Study circle (Proposal preparation)												
3. RTC (proposal presentation location selection and to meet relevant officers)							10					
4. Pre-testing -1(modification the questionnaire)			0.01					15				
5. Pre-testing – 2 (finalization of the questionnaire)				0.02				17				
6. Data collection and data analysis				0.51	0.7			30	50			
Total			-	0.01	0.51	0.7	-	10	30	50		

01. Preparation of proposal 10% 02. Data Collection 40% 03. Data analysis 50% 04. Submission of first draft (to head) 70%

05. Submission of first draft to AD 75% 06. Study circle presentation 80% 07. Obtaining RTC (external) comments 90%

08. Editing & proof reading 95% 09. Printing process 100%

Action Plan - 2018

AP-SP - 05

Department:

Project Name: Status and Empowerment Needs of SITAMU Women’s Farmer Organizations (WFOs)

Institute: Hector Kobbekaduwa Agrarian Research

Objective : To provide guidance for policy formulation aiming at women empowerment through the revelation of structural and functional diversity of SITAMU WFOs in Sri Lanka.

Division: Agricultural Resource Management Division

KPI : Number and % distribution of WFO categories based on structure and functions of WFOs; Number and % distribution of constraints and weaknesses of WFOs in achieving set objectives; % of women entrepreneurs and proportional contribution by factors identified with respect to women’s intention towards becoming an entrepreneur

Vote No:

Outcome : Women empowerment through target oriented interventions by types of WFOs

Activity	Allocation (Rs.Mn)	Cumulative Targets 2018								Annual physical Target (In figures)	Implemented Area	Responsibility 01. Name 02. Cont. No 03. E mail
		Financial (Rs.Mn)				Physical (%)						
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
1.Proposal preparation	0.95										Kandy Kurunegala Moneragala Polonnaruwa Jaffna Batticaloa	Ms. RifanaBuhary 0766517726 brifana@gmail.com
2.Proposal development						5						
3 Preparation of questionnaire						10						
4. Data Collection		0.19	0.69	0.91	0.95	15	20	55				
5. Data analysis							40	60				
6.Report writing							50	65				
7.Submission of first draft (to head)								70				
8 Submission of first draft (to AD)									75			
9.Editing									95			
10. Printing									100			
Total		0.19	0.69	0.91	0.95	15	50	70	100	100		

01. Preparation of proposal 10% 02. Data Collection 40% 03. Data analysis 50% 04. Submission of first draft (to head) 70%
 05. Submission of first draft to AD 75% 06. Study circle presentation 80% 07. Obtaining RTC (external) comments 90%
 08. Editing & proof reading 95% 09. Printing process 100%

Action Plan - 2018

AP-SP - 06

Department : **Project Name** : Outreach and Effectiveness of Micro-financing for Poverty Reduction: The Case of Uva Province.

Institute :Hector Kobbekaduwa Agrarian Research & Training Institute **Objective** : To ascertain the outreach and effectiveness of micro-finance as a means of poverty reduction in the Uva Province of Sri Lanka

Division : Agricultural Resource Management Division **KPI** :List structural and functional issues associated with micro-financing for the poor;Number & % of households reporting improvements in poverty related dimensions based on the contribution of micro-financing to reduce poverty among the poor

Vote No : **Outcome** :Poverty reduction through addressing demand related issues of micro-financing in the country

Activity	Allocation (Rs.Mn)	Cumulative Targets 2018								Annual physical Target (In figures)	Implemented Area	Responsibility 01. Name 02. Cont. No 03.E mail
		Financial (Rs.Mn)				Physical (%)						
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
1.Proposal preparation	0.9										Badulla district (Haliela, Meegahakiwula, Rideemaliyadda) and Moneragala district (Buttala Medagama Siyambalanduwa)	Ms. D.T.P.S.Dharmawardhana 0718362295thusharadarmawardhana@gmail.com
2.Proposal development						5						
3. Preparation of questionnaire						10						
4. Data Collection		0.24	0.86	0.88	0.90	15	40					
5. Data analysis							45	55				
6.Report writing and submission of first draft (to head)							50	70				
7.Submission of first draft (to AD)									75			
8.Obtaining internal and external reviewers' comments									90			
9.Editing and proof reading									95			
10.Printing process									100			
Total		0.24	0.86	0.88	0.90	15	50	70	100	100		

01. Preparation of proposal 10% 02. Data Collection 40% 03. Data analysis 50% 04. Submission of first draft (to head) 70%
 05. Submission of first draft to AD 75% 06. Study circle presentation 80% 07. Obtaining RTC (external) comments 90%
 08. Editing & proof reading 95% 09. Printing process 100%

Action Plan - 2018

AP-SP - 07

Department:

Project Name : Causality, Nature and Magnitude of Human-Wildlife Conflict (HWC) in Uva and Eastern Wildlife Regions in Sri Lanka

Institute: Hector Kobbekaduwa Agrarian Research

Objective : Ascertain the nature and magnitude of HWC with causality behind the same with reference to agricultural production and agrarian communities in the Uva and Eastern wild life regions

Division: Agricultural Resource Management Division

KPI :
Identify coping behaviors of farming communities against HWC (Descriptive list of coping behaviors); Assess the crop losses due to HWC (% crop losses by food crops); Assess livelihood impacts due to HWC (quantitative & qualitative); Identify indigenous practices of managing HWC (list of practices); Identify causal factors accelerating HWC (Descriptive list of factors); and Propose policy interventions through factor vice analysis that help manage HWC.

Vote No:

Outcome : Propose policy guidance for manage HWC with particular referenceto the coping behavior and indigenous knowledge of people.

	Allocation (Rs. Mn)	Cumulative Targets 2018								Annual physical Target (In figures)	Implemented Area	Responsibility
		Financial (Rs.Mn)				Physical (%)						01 Name 02.Cont. No 03.E mail
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
01. Proposal preparation & development	1.00	0.04				10					Ampara Moneragala Hambanthota	Mr. AmalDissanayaka 0714927855 amal0055@gmail.com
02. Data Collection			0.71	0.97	1.00	15	35	45				
03. Data analysis							40	50				
04. Submission of the first draft (to HD)									70			
05. Printing process												
Total		0.26	0.71	0.97	1.00	15	40	50	70			

01. Preparation of proposal 10% 02. Data Collection 40% 03. Data analysis 50% 04. Submission of first draft (to head) 70%
 05. Submission of first draft to AD 75% 06. Study circle presentation 80% 07. Obtaining RTC (external) comments 90%
 08. Editing & proof reading 95% 09. Printing process 100%

Action Plan - 2018

AP-SP - 08

Department:

Project Name : Investment in Research and Development of Agriculture: A Brief Review (Phase 1)

Institute: Hector Kobbekaduwa Agrarian Research

Objective : To identify the gaps to minimize the bottlenecks in order to have proper benefits from the R&D programme and to find out the ways and means to enhance the impact of R&D through reviewing the implemented programmes.

Division: Agricultural Resource Management Division

KPI : Actual percentage of money allocated from the total budget of the project for Research and Development, Number or percentage of R&D activities which were implemented in line with the plan/schedule, Number/percentage/rate of - technology adaptation, change in income of beneficiaries, infrastructure development, productivity improvements.

Vote No:

Outcome : To propose policy guidance to enhance the impact of Research and Development of the sector on agrarian communities

Activity	Allocation (Rs.Mn)	Cumulative Targets 2018								Annual physical Target (In figures)	Implemented Area	Responsibility 01 Name 02. Cont. No 03. E mail
		Financial (Rs.Mn)				Physical (%)						
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
1. Proposal Preparation	0.7					10					Horticultural Crops R & D Institute and its sub institutes.	Ms. R. D. Wijesinghe Research Officer 071-8725075 rasikawijesinghe@yahoo.com
2. Collecting information and data		0.14	0.54			20	40					
3. Data Analysis				0.7			50					
4. Report Writing								60				
5. Submission of first draft (to Head of the Division)								70				
Total		0.14	0.54	0.7	-	20	50	70		70		

01. Preparation of proposal 10% 02. Data Collection 40% 03. Data analysis 50% 04. Submission of first draft (to head) 70%
 05. Submission of first draft to AD 75% 06. Study circle presentation 80% 07. Obtaining RTC (external) comments 90%
 08. Editing & proof reading 95% 09. Printing process 100%

Action Plan - 2018

AP-SP – 09

Department :		Project Name :	Study of the Performance of Agricultural Insurance Schemes in Sri Lanka
Institute :	Hector Kobbekaduwa Agrarian Research & Training Institute	Objective :	To suggest measures to improve the existing agricultural insurance schemes
Division :	Marketing, Food Policy and Agribusiness Division	KPI :	Number and % distribution of insured paddy farmers in different type of insurance schemes by different insurance institutions; Number & % distribution of constraints and weakness in different types of insurance schemes; % of insured paddy extend by different insurance Institutions
Vote No :		Outcome :	Policy Recommendations for an efficient agri. Insurance Programme

Activity	Allocation (Rs.Mn)	Cumulative Targets 2018								Annual physical Target (In figures)	Implemented Area	Responsibility 1. Name 2. Cont. No 3. Email
		Financial (Rs.Mn)				Physical (%)						
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
1.Preparation of research proposal	0.5	0				-	10				Kurunegala district	Ms. RoshiniRambukwella, Senior Research Officer 0112696998 (Ext. 262) roshinibbs@gmail.com
2.Preparation of questionnaire			0.005				2					
3.Recruitment of required staff								14				
4.Collection of primary and secondary data				0.29	0.50			30	50			
Total		0	0.005	0.29	0.50	-	12	30	50	50		

01. Preparation of proposal	10%	02. Data Collection	40%	03. Data analysis	50%	04. Submission of first draft (to head)	70%
05. Submission of first draft to AD	75%	06. Study circle presentation	80%	07. Obtaining RTC (external) comments	90%		
08. Editing & proof reading	95%	09. Printing process	100%				

Action Plan - 2018

AP-SP - 10

Department : **Project Name** :Public-Private Partnership Prospects for Quality Seed Potato Production in Sri Lanka

Institute :Hector Kobbekaduwa Agrarian Research & Training Institute **Objective** : To determine the prospects in initiating public-private partnerships (PPP) to improve quality seed potato production in Sri Lanka

Division : Marketing, Food Policy and Agribusiness Division **KPI** : Comparison of cost and benefit components for different public-private partnerships, Number of successful public-private partnership models for quality seed potato production and Preparation of strategic guideline.

Vote No : **Outcome** : Initiation of successful Public private partnership for efficient quality seed potato programme

Activity	Allocation (Rs. Mn)	Cumulative Targets 2018								Annual physical Target (In figures)	Implemented Area	Responsibility 01. Name 02. Cont. No 03. Email
		Financial (Rs.Mn)				Physical (%)						
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
1. Proposal preparation	0.7	0				8				A questionnaire survey with 300 farmers	Public and Private intervention through partnerships in improving the production of quality seed potatoes- Agricultural inputs and marketing	Mr. I.V. Kuruppu 0716393775 virajithkuruppu@gmail.com
2. Study circle and RTC presentation		0				10				12 key informant interviews		
3. Questionnaire preparation and pre-testing		0.058				15				6 focus group discussions		
4.Data collection			0.626	0.7	0	25	40					
5. Data analysis					0			50				
6. Submission of first draft (to head)					0				70			
Total			0.058	0.626	0.7	0	25	40	50	70		

01. Preparation of proposal 10% 02. Data Collection 40% 03. Data analysis 50% 04. Submission of first draft (to head) 70%
 05. Submission of first draft to AD 75% 06. Study circle presentation 80% 07. Obtaining RTC (external) comments 90%
 08. Editing & proof reading 95% 09. Printing process 100%

Action Plan - 2018

AP-SP – 11

Department : **Project Name :** Agricultural Water Management and Productivity Issues in the Northern Region of Sri Lanka

Institute : Hector Kobbekaduwa Agrarian Research & Training Institute **Objective :** To understand the water productivity and management issues of agriculture sector in Northern region

Division : Environmental and Water Resources Management **KPI :** Identifying the types of water issues in relation to northern region; Identifying the water productivity levels and management types of agriculture water use in the northern region

Vote No : **Outcome :** More sustainable and efficient water management system in the respective area

Activity	Allocation (Rs.Mn)	Cumulative Targets 2018								Annual physical Target (In figures)	Implemented Area	Responsibility 01. Name 02. Cont. No 03. Email
		Financial (Rs.Mn)				Physical (%)						
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
1. Literature review	0.4										Northern Region	Mr. M.A.C.S. Bandara 011 2696981 (Ext. 217) Chaminda.sidath@gmail.com
2. Proposal preparation		0.025				10						
3. Data collection			0.075	0.125	0.4		20	30	35			
4. Data analysis												
5. Report writing												
6. Dissemination of findings												
Total		0.025	0.075	0.125	0.4	10	20	30	35	35		

01. Preparation of proposal 10% 02. Data Collection 40% 03. Data analysis 50% 04. Submission of first draft (to head) 70%

05. Submission of first draft to AD 75% 06. Study circle presentation 80% 07. Obtaining RTC (external) comments 90%

08. Editing & proof reading 95% 09. Printing process 100%

Action Plan - 2018

AP-SP - 12

Department : **Project Name :**

Institute : Hector Kobbekaduwa Agrarian Research & Training Institute **Objective :** Understand the potential of increasing the climate resilience of rural community and associated ecosystems through rehabilitation of abandoned village tanks in Monaragala district.

Division : Environmental and Water Resources Management **KPI :** Identified potential of reducing the climate change vulnerability of agrarian community by rehabilitating abandoned village tanks; Identified potential of minimizing the climate change impact on forest and wildlife in associated eco systems; Proposed strategies for holistic landscape development to ensure climate resilient community in a climate resilient eco system.

Vote No : **Outcome :** Climate resilient rural community and associated eco system

Activity	Allocation (Rs.Mn)	Cumulative Targets 2018								Annual physical Target (In figures)	Implemented Area	Responsibility
		Financial (Rs.Mn)				Physical (%)						01. Name 02. Cont. No 03. Email
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
01. Proposal preparation	0.2	0	0			0	0	10			Monaragala district Mr. H.J.C. Jayasooriya 0112 696981 (Ext.323) chinthakahj@gmail.com	
02. Questionnaire preparation				0.025				15				
03. Data collection					0.2				30			
04. Data analysis												
Total				0.025	0.2			15	30	30		

01. Preparation of proposal 10% 02. Data Collection 40% 03. Data analysis 50% 04. Submission of first draft (to head) 70%
 05. Submission of first draft to AD 75% 06. Study circle presentation 80% 07. Obtaining RTC (external) comments 90%
 08. Editing & proof reading 95% 09. Printing process 100%

Action Plan - 2018

AP-SP - 13

Department : **Project Name :** Climate Change Vulnerability of Selected Crop Production Systems in the Dry Zone of Sri Lanka

Institute : Hector Kobbekaduwa Agrarian Research & Training Institute **Objective :** To understand the climate vulnerability status of selected crop production systems in the dryzone

Division : Environmental and Water Resources Management **KPI :** Relative vulnerable levels of crop production systems; Causative factors for vulnerability of different cropping systems; Applicable climate adaptation measures for dry zone crop production systems

Vote No : **Outcome :** Farming community with increased climate adaptability

Activity	Allocation (Rs.Mn)	Cumulative Targets 2018								Annual physical Target (In figures)	Implemented Area	Responsibility 01. Name 02. Cont. No 03. Email
		Financial (Rs.Mn)				Physical (%)						
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
1. Data collection	1.00	0.75	0.95	1	0	40*					Batticaloa Moneragalle Pollonnaruwa Vavuniya Hambanthota Anuradhapura Jaffna Puttalm, Dambulla Mullathivu Ampara Udawalawa Kalpitiya	Ms. G.G.de.L.W.S. Samarasinha 011 2696982 (Ext. 236) geeahan@gmail.com
2. Data analysis						5	55					
3. Report writing								65				
4. Dissemination of findings									80			
Total		0.75	0.95	1	-	45	55	65	80	80		

***The study continuation from 2017**

01. Preparation of proposal 10% 02. Data Collection 40% 03. Data analysis 50% 04. Submission of first draft (to head) 70%
 05. Submission of first draft to AD 75% 06. Study circle presentation 80% 07. Obtaining RTC (external) comments 90%
 08. Editing & proof reading 95% 09. Printing process 100%

Action Plan - 2018

AP-SP – 14

Department :	Project Name :	Potential of Vegetable Cultivation in Dry Zone Areas using Protected Agriculture as a Climate Change Adaptation Tool
Institute :	Objective :	To determine the potentials and constraints of protected agricultural technologies for vegetable cultivation in dry zone areas under adverse climatic conditions
Division :	KPI :	Different protected agricultural practices applicable in the dry zone; levels of productivity under possible protected agricultural practices; level of adaptability of such agricultural practices by farmers
Vote No :	Outcome :	Increase of vegetable production in dry zone areas

Activity	Allocation (Rs.Mn)	Cumulative Targets 2018								Annual physical Target (In figures)	Implemented Area	Responsibility
		Financial (Rs.Mn)				Physical (%)						
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
01. Literature review and Proposal preparation	0.3					5					Anuradhapura Puttlam Kurunegala Hambantota Matale Moneragala	Ms. M.P.N.M. Dias 011 2696981 (Ext. 223) nadeeshampnm@gmail.com
02. RTC preparation						10						
03. Questionnaire preparation							12					
04. Questionnaire pre testing		0.01					15					
05. Field Survey and Data collection			0.19	0.29	0.3		35					
06. Data analysis								50				
07. Report writing								70				
08. Dissemination of findings									80			
Total		0.01	0.19	0.29	0.3	10	35	70	80	80		

01. Preparation of proposal	10%	02. Data Collection	40%	03. Data analysis	50%	04. Submission of first draft (to head)	70%
05. Submission of first draft to AD	75%	06. Study circle presentation	80%	07. Obtaining RTC (external) comments	90%		
08. Editing & proof reading	95%	09. Printing process	100%				

Action Plan - 2018

AP-SP – 15

Department :
Institute : Hector Kobbekaduwa Agrarian Research & Training Institute
Division : Human Resource and Institutional Development Division

Project Name : Potential of Promoting Rainwater as a Source of Safe Water Consumption in North Central Province in Sri Lanka
Objective : Looking in to the potentials of promoting rain water for the safe water consumption in North Central Province Lanka
KPI : % of peoples different opinions on drinking rainwater; Number of rainwater tanks in the study area at the time of data collection; Presenting the water quality of the RO plants in the study area; Presenting the water quality of the harvested rainwater tanks ,in the study area; Number of means and methods of making people on rain water consumption
Outcome : Promote rainwater harvesting for the safe water consumption in North Central Province;

Vote No :

Activity	Allocation (Rs.Mn)	Cumulative Targets 2018								Annual physical Target (In figures)	Implemented Area	Responsibility
		Financial (Rs.Mn)				Physical (%)						01 Name 02Cont. No 03Email
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			Ms. G.V.NorikaAiome 071 4414784 noricaaiome@gmail.com
01. Preparation of research proposal	0.9					10					Anuradhapura and Polonnaruwa	
02. Preparation of data collecting tools												
03. Collection of primary and secondary data		0.5	0.8	0.85			40					
04. Data analysis					0.9		50					
05. Report writing								60	70			
06. Submission of 1 st draft to AD									75			
Total			0.5	0.8	0.85	0.9	30	50	60	75		75

01. Preparation of proposal 10% 02. Data Collection 40% 03. Data analysis 50% 04. Submission of first draft (to head) 70%
 05. Submission of first draft to AD 75% 06. Study circle presentation 80% 07. Obtaining RTC (external) comments 90%
 08. Editing & proof reading 95% 09. Printing process 100

Action Plan - 2018

AP-SP – 16

Department :		Project Name :	A Study on Alternatives for Polythene Shopping Bags and Lunch Sheets in Sri Lanka.
Institute :	Hector Kobbekaduwa Agrarian Research & Training Institute	Objective :	To propose most suitable alternatives for shopping bags and lunch sheets to be promoted in Sri Lanka
Division :	Human Resource and Institutional Development Division	KPI :	Number of people who adapt to use the information and knowledge of alternatives for polythene shopping bags and lunch sheets; Number of citations in research documents
Vote No :		Outcome :	Adaption of information and knowledge of alternatives for polythene shopping bags and lunch sheets; Policies related to use of most suitable alternatives for shopping bags and lunch sheets based on research findings

Activity	Allocation (Rs.Mn)	Cumulative Targets 2018								Annual physical Target (In figures)	Implemented Area	Responsibility 01 Name 02 Cont. No 0.3 Email
		Financial (Rs.Mn)				Physical (%)						
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
1. Preparation of research proposal	0.8					10					Western Province Sri Lanka	Mr. S.P.Fernando 0112696981 (Ext. 252)/0710607426 Sangeeth.nature@gmail.com
2. Preparation of data collecting tools						15						
3. Collection of primary and secondary data		0.3	0.7	0.75		30	40					
4. Data analysis					0.8							
5. Report writing												
6. Submission of 1 st draft to AD												
Total		0.3	0.7	0.75	0.8	30	50	65	75	75		

01. Preparation of proposal	10%	02. Data Collection	40%	03. Data analysis	50%	04. Submission of first draft (to head)	70%
05. Submission of first draft to AD	75%	06. Study circle presentation	80%	07. Obtaining RTC (external) comments	90%		
08. Editing & proof reading	95%	09. Printing process	100%				

Action Plan - 2018

AP-SP - 17

Department :
Institute :Hector Kobbekaduwa Agrarian Research & Training Institute
Division :
Vote No :

Project Name : Monitoring of Research & Training Programme
Objective : To monitor Annual Research& Training programme at HARTI
KPI : Achieving physical and financial target
Outcome : Completion of programmes as per the action plan

Activity	Allocation (Rs. Mn)	Cumulative Targets 2018								Annual physical Target (In figures)	Implemented Area	Responsibility 1.Name 2. Cont. No 3. Email
		Financial (Rs.Mn)				Physical (%)						
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
Monthly meeting with Research & Training Officers	0.050										HARTI	R.L.N.Jayatiisa Additional Director jayatissarl@gmail.com Tel: 011-2689553
Monthly meeting with Head of Divisions												
Total		0.01	0.02	0.03	0.05	25	50	75	100	100		

Action Plan - 2018

AP-SP - 18

Department :
Institute : Hector Kobbekaduwa Agrarian Research & Training Institute
Division : Agriculture Policy and Project Evaluation Division
Vote No :

Project Name : Factors Determining Fruit Cultivation in Home Gardens in Sri Lanka
Objective : To identify socio-economic factors determining fruit cultivation in home gardens in Sri Lanka
KPI : Number of entities using information of this research, number of research citation of this report
Outcome : Utilization of research report and information of this research for formulating policies of fruit cultivation program in the country

Activity	Allocation (Rs. Mn)	Cumulative Targets 2018								Annual physical Target (In figures)	Implemented Area	Responsibility 4. Name 5. Cont. No 6. Email
		Financial (Rs.Mn)				Physical (%)						
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
1. Data Analysis	*					50					All provinces in Sri Lanka (17 districts)	Ms. U.D.R. Udari, Research Officer 077-9588293 raveenaudari@gmail.com
2. Report writing					60							
3. Submission of draft report to the division head					70							
4. Submission of first draft to additional director						75						
5. Study circle presentation						80						
6. Obtaining external reviewers comments						90						
7. Editing and proof reading							95					
8. Printing process							100					
Total		-	-	-	-	70	90	100		100		

*No financial commitment for 2018

01. Preparation of proposal 10% 02. Data Collection 40% 03. Data analysis 50% 04. Submission of first draft (to head) 70%
 05. Submission of first draft to AD 75% 06. Study circle presentation 80% 07. Obtaining RTC (external) comments 90%
 08. Editing & proof reading 95% 09. Printing process 100%

Action Plan - 2018

AP-SP - 19

Department :		Project Name :	Importance of Indigenous Knowledge (IK) for food security; In relation to crop cultivation
Institute :	Hector Kobbekaduwa Agrarian Research & Training Institute	Objective :	To identify the importance of indigenous knowledge practices in crop cultivation
Division :	Agriculture Policy and Project Evaluation Division	KPI :	Number of entities using information of this research, number of research citation of this report
Vote No :		Outcome :	Utilization of most important and effective indigenous knowledge of crop Cultivation endemic to Sri Lanka

Activity	Allocation (Rs.Mn)	Cumulative Targets 2018								Annual physical Target (In figures)	Implemented Area	Responsibility 01 Name 02 Cont. No 03 Email
		Financial (Rs.Mn)				Physical (%)						
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
1. Report writing	*					60					All provinces in Sri Lanka (13 districts)	Mr. R. L. N. Jayatissa, Additional Director 011-2689553
2.Submission of draft report to the division head							70					
3.Submission of first draft to additional director							75					
4.Study circle presentation							80					
5.Obtaining external reviewers comments								90				
6. Editing and proof reading								95				
7.Printing process								100				
Total						60	80	100		100		

*No financial commitment for 2018

01. Preparation of proposal 10%	02. Data Collection 40%	03. Data analysis 50%	04. Submission of first draft (to head) 70%
05. Submission of first draft to AD 75%	06. Study circle presentation 80%	07. Obtaining RTC (external) comments 90%	
08. Editing & proof reading 95%	09. Printing process 100%		

Action Plan - 2018

AP-SP - 20

Department :		Project Name :	Farmers Perspective of Current Status and Future Direction of Public and Private Sector intervention on Paddy Marketing in Sri Lanka
Institute :	Hector Kobbekaduwa Agrarian Research & Training Institute	Objective :	To examine the influencing factors for the choice of public and private sector marketing channels by the farmers and identify the key policy initiatives need to increase the efficiency of the overall process of paddy marketing
Division :	Marketing Food Policy and Agri-Business	KPI :	Percentage of Farmers who preferred different type of Paddy Purchasing Methods, Income differences of public and private channel paddy farmers, Percentage of farmers who faced different type of problems
Vote No :		Outcome :	Increased income of paddy farmers through improved access to Markets

Activity	Allocation (Rs.Mn)	Cumulative Targets 2018								Annual physical Target (In figures)	Implemented Area	Responsibility 01. Name 02. Cont. No 03. Email
		Financial (Rs.Mn)				Physical (%)						
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
1. Coding , entry and analysis of data	*					50					Ampara Anuradhapura Batticalo Polonnaruwa	Mr. W.A.N. Wijesooriya, Research Officer 071-8717370 nalwijesooriya@yahoo.com
2. Report writing and submit 1 st draft to AD						75						
3. Study Circle Seminar								80				
4. Obtaining RTC comments (External Review)								90				
5. Editing & proof reading								95				
6. Printing process								100				
Total		-	-	-	-	50	75	90	100	100		

*No financial commitment for 2018

- | | | | | | | | |
|-------------------------------------|-----|-------------------------------|------|---------------------------------------|-----|---|-----|
| 01. Preparation of proposal | 10% | 02. Data Collection | 40% | 03. Data analysis | 50% | 04. Submission of first draft (to head) | 70% |
| 05. Submission of first draft to AD | 75% | 06. Study circle presentation | 80% | 07. Obtaining RTC (external) comments | 90% | | |
| 08. Editing & proof reading | 95% | 09. Printing process | 100% | | | | |

Action Plan - 2018

AP-SP - 21

Department :		Project Name :	Fertilizer Cash Grant Programme in Sri Lanka: A Socio - economic Review
Institute :	Hector Kobbekaduwa Agrarian Research & Training Institute	Objective :	To review the current FCG programme in order to make appropriate policy recommendations for an effective subsidy programme
Division :	Marketing Food Policy and Agri-Business	KPI	Cost effectiveness of different subsidy programme
Vote No :		Outcome	Policy recommendations for an effective fertilizer subsidy programme

Activity	Allocation (Rs.Mn)	Cumulative Targets 2018								Annual physical Target (In figures)	Implemented Area	Responsibility
		Financial (Rs.Mn)				Physical (%)						03 Name
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			04. Cont. NO 05. Email
1.Data analysis	*					50					Matara, Kurunegala, Polonnaruwa, Ampara, Anuradhapura, Monaragala, Badulla, Killinochchi and Jaffna districts	Ms. Indika Edirisinghe, Research Officer
2.Report writing					70							
3. Submission of first draft to AD						75						
4 Study circle presentation						80						
5 Obtaining RTC (external) comments						85	90					
6. Editing & proof reading							95					
7. Printing process							100					
Total		-	-	-	-	70	85	100				

*No financial commitment for 2018

01. Preparation of proposal 10%	02. Data Collection 40%	03. Data analysis 50%	04. Submission of first draft (to head) 70%
05. Submission of first draft to AD 75%	06. Study circle presentation 80%	07. Obtaining RTC (external) comments 90%	
08. Editing & proof reading 95%	09. Printing process 100%		

Action Plan - 2018

AP-SP – 01(Training)

Department :		Project Name :	Training Programme on Application of Participatory Techniques (RRA,PRA&PCM for Planning &Management of Rural Community Development Project).
Institute :	Hector Kobbekaduwa Agrarian Research & Training Institute	Objective :	Enhancing the theoretical and practical knowledge and skills of development officers on participatory rural development
Division :	Human Resource and Institutional Development Division	KPI :	Feedback sheets from the participants; Video comments from the program participants and officers; Training completion percentage rate; Training programme attendance rate
Vote No :		Outcome :	Development officers actively participate in rural development projects

Activity	Allocation (Rs.Mn)	Cumulative Targets 2018								Annual physical Target (In figures)	Implemented Area	Responsibility 01. Name 02. Cont. No 03. Email
		Financial (Rs.Mn)				Physical (%)						
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
1. Programme design	0.6						5			02 programmes conducted for development officers	To be finalized	Mr. S.M.A. Samarakoon Head/HRID 0774328604
2. Module preparation							8					
3. Organizing the programme							18		65			
4. Conduct the programme			0.35		0.6		58		95			
5. Evaluating the programme							60		100			
Total			0.35		0.6		60		100			

Action Plan - 2018

AP-SP – 02(Training)

Department :
Institute : Hector Kobbekaduwa Agrarian Research & Training Institute
Division : Human Resource and Institutional Development Division
Vote No :

Project Name : Training programme on Social Mobilization
Objective : Enhancing the theoretical and practical knowledge and skills of Extension officers on social mobilization
KPI : Feedback sheets from the participants; Training programme attendance rate; Video comments from the program participants; Video comments from the program officers
Outcome : Extension officers are empowered in working with rural community

Activity	Allocation (Rs.Mn)	Cumulative Targets 2018								Annual physical Target (In figures)	Implemented Area	Responsibility 01. Name 02. Cont. No 03. Email
		Financial (Rs.Mn)				Physical (%)						
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
1. Programme design	0.6		0.3	0.6			5			02 programmes conducted – development officers	Matara Kandy	Mr. P.C.J. de Silva 0112696981 (Ext. 231) chathura@yahoo.com
2. Module preparation							2					
3. Organizing the programme							5	60				
4. Conduct the programme							52	97				
5. Evaluating the programme							55	100				
Total			0.3	0.6			55	100				

Action Plan - 2018

AP-SP – 03 (Training)

Department :
Institute : Hector Kobbekaduwa Agrarian Research & Training Institute
Division : Human Resource and Institutional Development Division

Project Name : Training programme on Agri-business Management
Objective : Enhancing the theoretical and practical knowledge and skills of students on Agri-business Management
KPI : Feedback sheets from the participants; Training programme attendance rate; Video comments from the participated students. Training completion percentage rate
Outcome : Enhanced the theoretical and practical knowledge and skills of students on Agri-business Management and Marketing extension/Developed and promote the collaboration between researchers and academics from North and south

Activity	Allocation (Rs.Mn)	Cumulative Targets 2018								Annual physical Target (In figures)	Implemented Area	Responsibility 1. Name 2. Cont. No 3. Email
		Financial (Rs.Mn)				Physical (%)						
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
1. Programme design	0.5								2		Will be decided	W.H.A. Shantha. Senior Research Officer 0112696998 (Ext.232) ashanth@gmail.com
2. Module preparation									5			
3. Organizing the programme					0.1				17			
4. Conduct the programme					0.5				97			
5. Evaluating the programme									100			
					0.5				100	100		
Total					0.5				100	100		

Action Plan - 2018

AP-SP – 04 (Training)

Department :
Institute : Hector Kobbekaduwa Agrarian Research & Training Institute
Division : Human Resource and Institutional Development Division
Vote No :

Project Name : Training programme on Strengthening of Farmer Organizations
Objective : Empowering the farmer leaders on decision making operation
KPI : Feedback sheets from the participants; Training programme attendance rate; Training completion percentage rate
Outcome : Farmer leaders empowered on decision making operation

Activity	Allocation (Rs.Mn)	Cumulative Targets 2018								Annual physical Target (In figures)	Implemented Area	Responsibility 01. Name 02. Cont. No 03. Email
		Financial (Rs.Mn)				Physical (%)						
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
01. Programme design	0.7							3		15 programmes conducted and 1500 farmer leaders trained	Kandy	Mr. S.M.A. Samarakoon, Head, HRID 0774328604
02. Module preparation								5				
03. Organizing the programme				0.05	0.35			10	55			
04. Conduct the programme				0.30	0.7			50	100			
Total				0.3	0.7			50	100			

Action Plan - 2018

AP-SP – 05 (Training)

Department :		Project Name :	Training programme on Agriculture for Healthy Generation
Institute :	Hector Kobbekaduwa Agrarian Research & Training Institute	Objective :	Educating the farmers on use and management of agro chemicals, integrated fertilizer and pest control and organic food consumption for healthy life
Division :	Human Resource and Institutional Development Division	KPI :	Activity pass/fail rate; Feedback sheets from the participants; Training programme attendance rate; Video comments from the program participants; Training completion percentage rate.
Vote No :		Outcome :	2000 farmer leaders are improved Knowledge and skills on sustainable agricultural practices

Activity	Allocation (Rs.Mn)	Cumulative Targets 2018								Annual physical Target (In figures)	Implemented Area	Responsibility
		Financial (Rs.Mn)				Physical (%)						4. Name 5. Cont. No 6. Email
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
1. Programme design	0.8		0.5	0.8			3			Conduct 20 programmes and trained 2000 farmer leaders	Ampara Hambantota	Mr. P.C.J. de Silva, Senior Research Officer 077-5924014 chathura@yahoo.com
2 Module preparation							5					
3 Organizing the programme							15	60				
4 Conduct the programme							50	95				
5 Evaluating the programme							55	100				
Total	0.8		0.5	0.8			55	100				

Action Plan - 2018

AP-SP – 06 (Training)

Department :
Institute : Hector Kobbekaduwa Agrarian Research & Training Institute
Division : Human Resource and Institutional Development Division
Vote No :

Project Name : Training programme on Women farmer empowerment
Objective : Empowering women farmers on decision making operation
KPI : Modules prepared; Feedback sheets from the participants; Training programme attendance rate; Video comments from the program participants
Outcome : women farmer leaders empowered on decision making process

Activity	Allocation (Rs.Mn)	Cumulative Targets 2018								Annual physical Target (In figures)	Implemented Area	Responsibility 01. Name 02. Cont. No 03. Email
		Financial (Rs.Mn)				Physical (%)						
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
1. Programme design	0.9					2				20 programmes conducted and 2000 women farmer leaders trained	Kurunegala Anuradhapura	Mr. S.M.A. Samarakoon, Head, HRID 0774328604
2. Module preparation						5						
3. Organizing the programme		0.05	0.55			10	55					
4. Conduct the programme		0.5	0.9			50	100					
Total	0.9	0.5	0.9			50	100					

Action Plan - 2018

AP-SP – 01 (Publication)

Department :		Project Name :	Publication, Seminar and Workshop
Institute :	Hector Kobbekaduwa Agrarian Research & Training Institute	Objective :	To Enhance awareness of policy makers about requirement of changes in existing policies and new policies with regard to agrarian sector, and dissemination of Information
Division :		KPI :	Identified agricultural development gaps; Identified issues in the agrarian rural sector and possible solutions; Identified agricultural and livelihood development projects
Vote No :		Outcome :	Policy makers are more aware about issues in the agrarian rural sector and possible solutions for them Policy makers/officers are exposed to sharing of agrarian and rural development experiences through seminars/workshops/symposia

Activity	Allocation (Rs.Mn)	Cumulative Targets 2018								Annual physical Target (In figures)	Implemented Area	Responsibility 01. Name 02. Cont. No 03. Email
		Financial (Rs.Mn)				Physical (%)						
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
1.International Workshop- CIRDAP/HARTI	2.20	2.2				100				100		Ms. Sagarika Hitihamu Senior Research Officer 0714434583 sagarikajayalath@gmail.com
2 Seminar, workshop, public lectures	0.20		0.05	0.15	0.20	-	25	75	100	100		Additional Director
3Institute Publication and Media Work	2.0	0.6	1.0	1.5	2.0	30	50	75	100	100		Mr. C.U.Senanayaka, Senior Information & Publication Officer 011-2691360 sacusena@gmail.com
4 Exhibition	0.1		0.1				50	75	100	100		
5 Research and Training Committee	0.1	–	0.05	–	0.1	25	50	75	100			Additional Director
Total	4.6	2.8	1.21	1.65	2.21							

Action Plan - 2018

AP-SP – 01 (Assets)

Department :		Project Name :	Capital Expenditure for Assets
Institute :	Hector Kobbekaduwa Agrarian Research & Training Institute	Objective :	To Strengthen the ongoing Research & Training programmes at HARTI by updating and improvement of infrastructure facilities and other support services
Division :		KPI :	Published Annual Report, Number of Training programme, Seminars, workshop
Vote No :		Outcome :	Completion of Annual Research & Training programme

Activity	Allocation (Rs.Mn)	Cumulative Targets 2018								Annual physical Target (In figures)	Implemented Area	Responsibility 04. Name 05. Cont. No 06. Email
		Financial (Rs.Mn)				Physical (%)						
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
1. Buildings	8.5	8.11	8.11	8.5	8.5	90	95	100	-	100	In our Institute	J.J.S. Jayamanne Registrar (Acting) Tel: 011-2698541
2. Furniture and Office Equipment	3.52	2.648	3.448	3.52	3.52	50	80	100	-	100	In our Institute	
3. Computer	1.18	-	1.18	1.18	1.18	-	25	100	-	100	In our Institute	
4. Books	0.800	0.350	0.450	0.630	0.800	35	35	85	100	100	In our Institute	
Total	14.00	11.108	13.188	13.83	14.00					100		