MYANMAR AGRICULTURAL STATISTICS

The Government of the Republic of the Union of Myanmar
Ministry of Planning and Finance

MYANMAR AGRICULTURAL STATISTICS

(2007-2008 to 2016-2017)

Central Statistical Organization
Ministry of Planning and Finance
in Collaboration with
Ministry of Agriculture, Livestock and Irrigation,
Ministry of Natural Resources and Environmental Conservation

Nay Pyi Taw, Myanmar
2018

The Government of the Republic of the Union of Myanmar

MYANMAR AGRICULTURAL STATISTICS

(2007-2008 to 2016-2017)

MYANMAR CSO
CENTRAL STATISTICAL ORGANIZATION

Central Statistical Organization
Ministry of Planning and Finance
in Collaboration with
Ministry of Agriculture, Livestock and Irrigation,
Ministry of Natural Resources and Environmental Conservation

Nay Pyi Taw, Myanmar
2018

MYANMAR AGRICULTURAL STATISTICS

(2007-2008~2016-2017)

Published by

Central Statistical Organization,

Office No. (32), Nay Pyi Taw,

Myanmar.

Visit us at www.csostat.gov.mm and www.mmsis.gov.mm

e-mail: dgcsomopf@gmail.com

Copyright@ **Central Statistical Organization, Myanmar**.

All rights reserved. Reproduction and dissemination of material in this information product for educational or other non-commercial purposes are authorized without any prior written permission from the copy right holders provided the source is fully acknowledged. Reproduction of material in this information product for resale or other commercial purposes is prohibited without written permission of the copy right holders.

Applications for such permission should be addressed to:

Director- General
Central Statistical Organization,
Office No. (32), Nay Pyi Taw,
Myanmar.

FOREWARD

Central Statistical Organization of Myanmar is endeavoring to deliver the key socio-economic statistical messages to all citizens with the support of continuous data series that reflect the current situations of the country. Since Agricultural Sector is the backbone of Myanmar Economy, the purpose of this publication is to provide detailed statistical information on Myanmar Agricultural Sector for the period between 2007-2008 and 2016-2017. The respective sections showed in the publication aim to meet the wider perspective of statistics demand from decision makers, policy makers, researchers and other statistics users.

The present publication offers detailed information on Population, Weather and Land, Inputs, Production, Prices and Share of Agriculture, Livestock and Forestry in GDP, Food and Non-Food Expenditure Per Month at Household Level by State and Region, Export and Import of Agricultural, Livestock and Forestry Products and Food Balance Sheet with the systematic elaborations of seven different sections.

We would like to express our sincere appreciation to the Ministry of Agriculture, Livestock and Irrigation and Ministry of Natural Resources and Environmental Conservation for the excellent collaboration on this publication.

Dr. Wah Wah Maung
Director-General
Central Statistical Organization
Ministry of Planning and Finance

MYANMAR AGRICULTURAL STATISTICS

CONTENTS

TABLE		PAGE
	I. POPULATION, WEATHER AND LAND	
1.01	Area,Estimated Population and Population Density by States and Regions	3
1.02	Monthly Temperature and Rainfall at Reporting Stations	4
1.03	Annual Rainfall,Temperatrues and Percentage of Humidity	8
1.04	Area Classified by Type of Land	13
1.05	Area Classified by Type of Land by States and Regions(2016-2017)	14
1.06	Land Utilization of Net Area Sown	15
1.07	Number of Farmers Classified by Land Holdings(2016-2017)	16
1.08	Area not Available for Cultivation	17
1.09	Area Sown by Type of Planting Classification	18
1.10	Permanent Forest Estate by States and Regions	19
1.11	Forest Cover Status in Myanmar	23
1.12	Existing Protected in Myanmar	25
	II . AGRICULTURAL INPUTS	
2.01	Irrigated Area by Type of Irrigation	32
2.02	Irrigable and Flood Protection Areas	33
2.03	Irrigable and Flood Protection Areas by States and Regions(2016-2017)	34
2.04	Irrigable Area and Multiple Cropping in Irrigated Area	35
2.05	Irrigable Area and Multiple Cropping in Irrigated Area by States and Regions(2016-2017)	36
2.06	Area of Selected Crops Under Irrigation	37
2.07	Area of Selected Crops Under Irrigation by States and Regions(2016-2017)	38
2.08	Protection Area for Weir	39
2.09	Protection Area for Weir by States and Regions(2016-2017)	40
2.10	Area of Selected Crops Under Weir	41
2.11	Area of Selected Crops Under Weir by States and Regions(2016-2017)	42
2.12	Distribution of Quality Seeds	43
2.13	Pesticides Utilized for Plant Protection by Crop	44
2.14	Equipment for Plant Protection	45
2.15	Distribution of Tractors to Mechanization Stations	46
2.16	Agricultural Machinery and Implements(Production & Distribution by Department)	50
2.17	Utilization of Farm Machinery	51
2.18	Agricultural Loans by Crop	52
2.19	Agricultural Loans by States and Regions	54
2.20	Short Term and Long Term Loans to Cultivators	56

CONTENTS

TABLE		PAGE
2.21	Livestock Breeding	58
2.22	Artificial Insemination of Cow by States and Regions	59
2.23	Animal Population Raised in State Farms	60
2.24	Number of Bee Colonies	60
2.25	Bee Pollination Services by Honey Bees	60
2.26	Animal Feed Requirements	61
2.27	Animal Health Services	62
2.28	Saw Mills by States and Regions	63
2.29	Number of Working Elephants used in Timber Extraction by States and Regions	65
2.30	Forest Operations	66
2.31	Watershed Plantation for Dam/Reservoir Area of Dry Zone	68
	III . AGRICULTURAL PRODUCTION	
3.01	Area Sown,Harvested and Cropping Intensity	75
3.02	Sown Acreage of Selected Crops	76
3.03	Average Yield Per Harvested Acre of Selected Crops	80
3.04	Paddy(Unhusked Rice)Total Production and Utilization by States and Regions(2016-2017)	84
3.05	Groundnut Production,Utilization and Processed Form by States and Regions(2016-2017)	85
3.06	Sesamum Production,Utilization and Processed Form by States and Regions(2016-2017)	86
3.07	Production of Selected Crops	87
3.08	Sown Area,Harvested area and Production of Fruits	89
3.09	Sown Area, Harvested area and Production of Vegetables	93
3.10	Production of Meat	95
3.11	Production of Egg	96
3.12	Production of Feather and Leather(Private Sector)	96
3.13	Production of Honey and value added Honey and Bee-Products	97
3.14	Production of Parel and Shell	97
3.15	Fresh Water Fisheries by States and Regions	98
3.16	Production of Fisheries	100
3.17	Area of Hatcheries and Seed Production	100
3.18	Production of Fish Fingerlings	101
3.19	Production of Leasable Fisheries	102
3.20	Area and Production of Fish Ponds	102
3.21	Fish Culture Ponds by States and Regions	103
3.22	Shrimp Culture Ponds by States and Regions	105

CONTENTS

TABLE		PAGE
3.23	Fish Fry Distribution of Fisheries	107
3.24	Fishing Vessel (Off - shore), Fishing Vessel (In-shore) and Fishing Gear	112
3.25	Number of Raising Crocodile by Size	113
3.26	Teak and Hardwood Logs Extraction by States and Regions	114
3.27	Production and Distribution of Teak	116
3.28	Plantation of Teak Trees	118
3.29	Production of Plywood by States and Regions	120
3.30	Production of Venner by States and Regions	120
3.31	Production of Veneer in Plywood Factories	121
3.32	Production and Distribution of Hardwood	122
3.33	Plantation of Hardwood Trees	124
3.34	Production of Minor Forest Products	126
	IV. PRICES AND SHARE OF AGRICULTURE,LIVESTOCK AND FORESTRY IN GDP	
4.01	Prices of Selected Crops at Harvest Time	131
4.02	Share of Agriculture, Livestock and Forestry (At Constant Producers' Prices)	133
4.03	Share of Agriculture, Livestock and Forestry (At Current Producers' Prices)	134
	V. FOOD AND NON-FOOD EXPENDITURE PER MONTH AT HOUSEHOLD LEVEL	
5.01	Monthly Household Expenditure by Group,Union (2006-2012)	137
5.02	Monthly Expenditure of Urban Household by Group,Union (2006-2012)	138
5.03	Monthly Expenditure of Rural Household by Group,Union (2006-2012)	139
	VI. EXPORT AND IMPORT OF AGRICULTURE,LIVESTOCK AND FORESTRY PRODUCTS	
6.01	Export of Major Agricultural Products	143
6.02	Export of Major Livestock Products	145
6.03	Export of Major and Minor Forest Products	146
6.04	Import of Selected Agricultural, Livestock and Forest Commodities	147
	VII. FOOD BALANCE SHEET	
7.01	Food Availability / Supply (person/day) in Dietary Energy and Macronutrients , 2011-2016	151
7.02	Per Capita Food Availability /Supply (person/day) in Dietary Energy and Macronutrients of Food Commodities, 2011-2016	151
7.03	Food Balance Sheet (2011-2016)	152

CONTENTS

TABLE

CHART No

LIST OF CHARTS

PAGE

FIGURE 1.1 PERCENTAGE OF AREA CLASSIFIED BY TYPE OF LAND, 2016-2017..... 2

FIGURE 1.2 FOREST COVER STATUS IN MYANMAR..... 2

FIGURE 2.1 PERCENTAGE OF IRRIGATED AREA BY TYPE OF IRRIGATION..... 30

FIGURE 2.2 AGRICULTURAL LOANS BY CROP..... 30

FIGURE 2.3 LIVESTOCK BREEDING , 2016-2017 31

FIGURE 2.4 SAW MILLS BY STATES AND REGIONS,2016-2017..... 31

FIGURE 3.1 SOWN ACREAGE AND PRODUCTION OF PADDY..... 74

FIGURE 3.2 PRODUCTION OF FISHERIES..... 74

FIGURE 3.3 TEAK AND HARDWOOD LOGS EXTRACTION BY STATES AND REGIONS..... 74

FIGURE 4.1 SHARE OF AGRICULTURE, LIVESTOCK AND FORESTRY,2016-2017..... 130
(AT CURRENT PRODUCE'S PRICES)

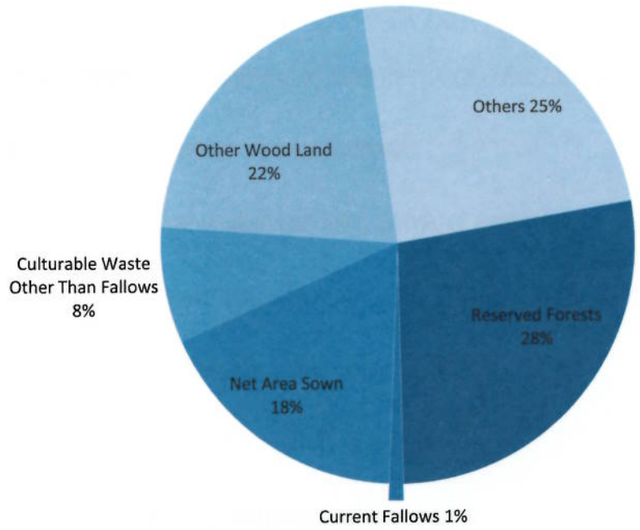
FIGURE 5.1 MONTHLY HOUSEHOLD EXPENDITURE BY GROUP (2012,UNION)..... 136

FIGURE 6.1 EXPORT OF MAJOR AGRICULTURAL,LIVESTOCK AND FOREST PRODUCTS..... 142
(2016-2017)

FIGURE 7.1 FOOD AVAILABILITY / SUPPLY (PERSON/DAY) IN DIETARY ENERGY..... 150
SUPPLY PER CAPITA CALORIE , 2011-2016

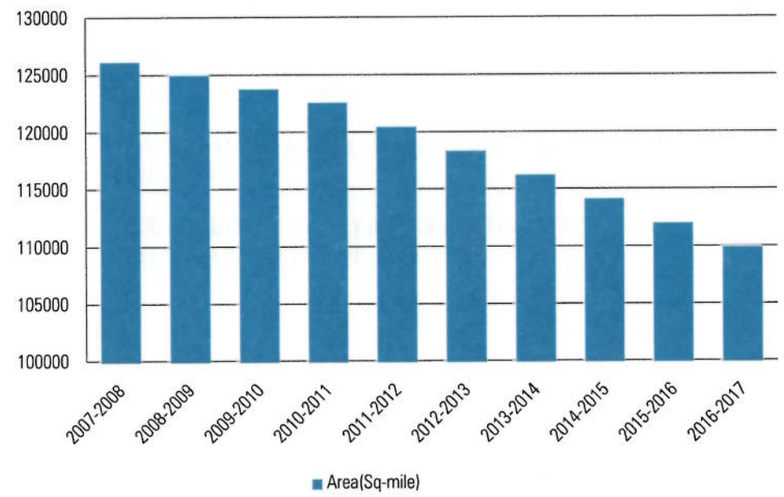
I . POPULATION , WEATHER AND LAND

Figure 1.1 AREA CLASSIFIED BY TYPE OF LAND, 2016-2017 (Thousand Acres)



Source:Department of Agricultural Land Management and Statistics.

Figure 1.2 FOREST COVER STATUS IN MYANMAR



Source: Department of Forest.

Table 1.01 Area, Estimated Population and Population Density by States and Regions

States and Regions (1)	Area (Sq.km) (2)	Population (In Million) 2015-2016 (3)	Population (In Million) 2016-2017 (4)	Population Density (Per Sq Km) 2015-2016 (5)	Population Density (Per Sq Km) 2016-2017 (6)
Union	**676552.70**	**52.45**	**52.92**	**78**	**78**
1. Nay Pyi Taw	7067.50	1.20	1.22	170	172
2. Kachin State	89038.58	1.76	1.80	20	20
3. Kayah State	11731.10	0.30	0.30	25	26
4. Kayin State	30381.67	1.58	1.58	52	52
5. Chin State	36017.58	0.50	0.50	14	14
6. Sagaing Region	94621.07	5.41	5.45	58	58
7. Tanintharyi Region	43343.34	1.43	1.45	33	33
8. Bago Region	39402.99	4.90	4.91	124	125
9. Magway Region	44818.96	3.94	3.94	88	88
10. Mandalay Region	29954.33	6.27	6.33	203	205
11. Mon State	12296.19	2.03	2.02	165	164
12. Rakhine State	36776.72	3.27	3.28	89	89
13. Yangon Region	10170.89	7.60	7.76	739	755
14. Shan State	155795.72	6.00	6.09	39	39
15. Ayeyarwady Region	35136.05	6.26	6.27	179	179

Note:Figures are provisional, work on population projection is currently in progress, so these may be few changes.

Sources:(1)General Administrative Department.
(2) Population Department.

Table 1.02 Monthly Temperature and Rainfall at Reporting Stations, 2016

Station	January				February				March			
	Temperature C		Rain - fall in m.m.	No. of Rainy Days	Temperature C		Rain - fall in m.m.	No. of Rainy Days	Temperature C		Rain - fall in m.m.	No. of Rainy Days
	max.	min.			max.	min.			max.	min.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1. Nay Pyi Taw												
Yezin	31.4	14.2	0	0	34.9	17.6	0	0	38.3	21.0	0	0
Pyinmana	31.0	15.2	2	1	34.9	18.7	0	0	37.7	23.1	14	1
Tatkong	31.1	12.4	11	2	35.2	15.9	0	0	37.8	20.9	0	0
2. Kachin State												
Myitkyina	24.5	10.5	49	3	27.0	14.6	29	2	31.2	17.4	62	5
Mohnyin	24.4	9.5	11	3	27.8	13.2	33	2	32.3	15.8	14	2
3. Kayah State												
Loikaw	26.9	9.7	65	1	29.4	12.8	5	1	32.9	17.0	5	1
4. Kayin State												
Hpa-an	32.8	16.7	13	1	35.5	18.4	0	0	37.8	23.7	0	0
5. Chin State												
Falam	18.9	6.7	20	1	22.2	10.1	4	1	26.0	11.6	12	2
Hakha	17.6	1.2	16	1	20.7	7.6	8	1	24.1	10.4	8	2
6. Sagaing Region												
Katha	26.5	11.9	4	1	29.6	15.0	17	1	33.9	17.6	11	1
Mawlaik	25.5	10.7	1	0	30.0	13.2	Trace	0	35.0	16.5	4	1
Monywa	28.5	14.1	Trace	0	33.6	17.8	1	0	37.9	21.2	0	0
Shwebo	28.2	13.0	1	0	32.5	17.4	3	1	39.7	24.0	23	1
Hkamti	22.8	6.0	2	1	26.5	10.2	Trace	0	31.0	13.2	15	2
7. Tanintharyi Region												
Dawei	33.9	17.6	4	2	35.2	18.1	0	0	36.7	20.7	0	0
Myeik	32.6	23.2	1	0	33.7	23.0	16	2	34.8	24.6	59	3
8. Bago Region												
Bago	31.1	16.9	41	2	34.1	19.3	0	0	36.8	23.5	0	0
Pyay	31.3	15.4	10	1	35.4	18.9	1	0	38.6	22.4	0	0
9. Magway Region												
Magway	31.6	13.4	0	0	31.6	16.9	56	4	33.2	20.6	135	9
Gangaw	26.2	10.4	1	0	32.1	13.5	4	2	36.8	17.2	0	0
10. Mandalay Region												
Mandalay	28.9	14.2	0	0	33.4	18.2	0	0	37.9	21.9	0	0
Pyin-Oo-Lwin	22.2	4.3	Trace	0	25.8	8.6	0	0	29.6	12.3	2	1
Nyaung Oo	29.7	12.5	0	0	34.2	17.2	Trace	0	38.3	20.6	0	0
11. Mon State												
Mawlamyine	32.6	17.6	34	2	35.2	19.5	0	0	36.8	23.9	3	1
Ye	33.4	18.0	28	2	35.6	18.6	0	0	36.2	20.7	Trace	0
12. Rakhine State												
Sittwe	27.9	12.6	0	0	31.8	16.5	0	0	33.5	20.1	0	0
Thantwe	30.0	11.1	0	0	33.5	14.4	0	0	34.9	19.3	0	0
13. Yangon Region												
Yangon	31.6	15.7	23	1	34.4	18.8	0	0	36.7	22.1	0	0
14. Shan State												
Lashio	23.2	6.9	10	2	26.9	9.6	24	3	31.3	13.0	2	1
Taunggyi	21.9	8.4	20	1	22.5	11.2	2	1	28.7	14.4	Trace	0
Kyaingtong	24.7	9.4	50	4	22.6	11.5	35	3	32.0	14.5	Trace	0
15. Ayeyarwady Region												
Pathein	31.7	17.1	4	1	35.0	19.6	0	0	37.0	23.0	9	1

Table 1.02 Monthly Temperature and Rainfall at Reporting Stations, 2016 (Cont'd)

Station	April				May				June			
	Temperature C		Rain - fall in m.m.	No. of Rainy Days	Temperature C		Rain - fall in m.m.	No. of Rainy Days	Temperature C		Rain - fall in m.m.	No. of Rainy Days
	max.	min.			max.	min.			max.	min.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1. Nay Pyi Taw												
Yezin	40.8	24.5	0	0	38.2	24.6	148	9	33.0	24.5	179	15
Pyinmana	40.4	26.8	2	0	38.0	26.4	93	7	32.4	24.8	220	15
Tatkong	40.3	26.5	Trace	0	37.6	25.8	113	9	33.2	25.0	123	12
2. Kachin State												
Myitkyina	30.3	19.5	99	16	32.0	21.5	258	18	31.4	23.5	494	23
Mohnyin	32.7	19.6	52	8	32.3	22.0	252	16	31.4	23.9	394	17
3. Kayah State												
Loikaw	36.4	21.2	6	2	33.2	21.4	201	12	28.9	21.2	129	17
4. Kayin State												
Hpa-an	38.9	25.5	2	1	37.1	25.6	281	9	30.4	24.4	745	23
5. Chin State												
Falam	28.5	15.7	34	3	26.6	16.9	246	12	24.2	17.8	367	21
Hakha	26	14.5	48	4	25.2	13.4	207	14	23.6	16.0	336	22
6. Sagaing Region												
Katha	33.8	19.7	71	4	33.9	22.4	135	11	32.8	24.2	348	13
Mawlaik	36.7	20.5	66	5	35.5	22.0	330	12	34.2	23.8	477	21
Monywa	41.4	24.7	17	2	38.5	25.4	60	9	36.1	26.0	40	7
Shwebo	36.4	20.7	Trace	0	36.4	25.5	88	10	33.7	25.4	179	12
Hkamti	31.2	16.0	30	6	31.6	16.7	312	13	30.7	18.2	831	21
7. Tanintharyi Region												
Dawei	37.6	23.4	0	0	36.0	24.4	492	12	30.6	23.8	769	23
Myeik	35.2	27.0	Trace	0	34.4	26.1	413	17	30.8	25.0	758	26
8. Bago Region												
Bago	37.5	24.7	0	0	37.0	26.1	298	9	31.1	25.5	577	24
Pyay	39.7	25.0	0	0	36.7	25.3	135	9	32.1	24.6	369	19
9. Magway Region												
Magway	33.6	20.1	273	13	33.2	21.0	114	13	32.3	20.8	309	15
Gangaw	40.0	22.3	9	2	37.4	23.5	110	8	34.1	24.6	216	12
10. Mandalay Region												
Mandalay	41.2	26.2	34	3	37.8	24.7	138	8	34.6	24.5	168	11
Pyin-Oo-Lwin	32.5	17.3	26	3	29.4	18.0	239	11	27.0	18.6	265	20
Nyaung Oo	20.2	19.3	Trace	0	38.6	26.7	64	5	34.8	26.4	59	10
11. Mon State												
Mawlamyine	37.6	26.3	1	0	36.1	26.0	304	12	31.0	24.8	769	21
Ye	37.5	24.0	0	0	36.0	24.5	602	14	30.9	24.2	1044	23
12. Rakhine State												
Sittwe	34.2	24.1	5	1	33.6	23.7	611	13	31.0	24.1	1163	27
Thantwe	36.2	23.3	0	0	34.8	24.6	270	11	31.6	24.1	994	18
13. Yangon Region												
Yangon	38.2	24.1	0	0	37.1	24.2	288	9	31.7	23.2	379	19
14. Shan State												
Lashio	34.0	17.1	59	7	31.4	19.7	142	15	30.4	22.3	196	16
Taunggyi	31.5	18.0	33	4	28.6	18.4	130	11	24.8	18.4	286	20
Kyaingtong	36.2	16.3	14	2	33.9	19.8	51	9	31.2	21.1	232	16
15. Ayeyarwady Region												
Pathein	38.5	24.8	0	0	35.7	25.1	422	13	30.6	24.1	779	23

Table 1.02 Monthly Temperature and Rainfall at Reporting Stations, 2016 (Cont'd)

Station	July				August				September			
	Temperature C		Rain - fall in m.m.	No. of Rainy Days	Temperature C		Rain - fall in m.m.	No. of Rainy Days	Temperature C		Rain - fall in m.m.	No. of Rainy Days
	max.	min.			max.	min.			max.	min.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1. Nay Pyi Taw												
Yezin	31.8	24.5	143	15	32.0	24.4	329	22	33.0	24.0	184	13
Pyinmana	31.1	24.5	162	11	31.5	24.7	292	21	32.3	24.8	174	14
Tatkong	31.7	24.1	139	14	32.1	24.4	302	18	33.1	24.8	162	15
2. Kachin State												
Myitkyina	29.7	23.2	846	22	33.4	27.7	521	16	33.1	23.6	177	13
Mohnyin	30.2	24.3	314	19	32.0	24.4	220	18	31.7	24.0	198	10
3. Kayah State												
Loikaw	28.0	20.8	198	19	28.6	21.2	240	13	29.1	20.9	115	12
4. Kayin State												
Hpa-an	30.5	24.0	753	23	29.4	24.0	920	25	31.7	24.3	699	21
5. Chin State												
Falam	22.5	17.7	412	25	22.8	17.9	392	20	24.0	17.7	142	11
Hakha	22.1	16.2	372	23	22.3	16.0	733	22	23.1	15.9	267	18
6. Sagaing Region												
Katha	31.6	24.2	204	14	32.9	24.6	197	14	33.4	23.9	122	6
Mawlaik	32.6	24.1	297	17	33.4	23.8	287	17	33.6	23.4	298	15
Monywa	35.8	25.9	97	7	33.8	26.1	253	9	33.4	25.9	175	10
Shwebo	34.0	25.1	115	10	32.7	24.9	440	13	33.0	24.9	149	8
Hkamti	28.5	17.8	1451	26	33.4	19.5	217	12	31.2	17.1	848	22
7. Tanintharyi Region												
Dawei	30.3	23.6	1066	28	30.3	23.3	1125	28	29.8	23.4	653	27
Myeik	31.0	24.8	511	24	31.0	24.8	581	28	29.5	24.1	732	29
8. Bago Region												
Bago	31.8	25.3	946	29	30.9	24.6	540	26	31.6	24.2	624	24
Pyay	31.3	24.5	193	19	31.5	24.8	166	19	32.6	24.7	145	14
9. Magway Region												
Magway	33.4	21.2	231	16	38.7	22.1	153	7	42.6	21.5	273	13
Gangaw	32.5	24.1	162	12	30.5	23.8	364	17	32.6	23.8	175	14
10. Mandalay Region												
Mandalay	34.1	24.2	182	7	33.5	25.6	361	9	34.1	25.4	116	7
Pyin-Oo-Lwin	26.4	18.4	91	9	26.8	18.7	228	18	27.4	18.7	195	17
Nyaung Oo	34.6	26.5	46	4	33.1	25.6	174	11	33.4	25.5	115	12
11. Mon State												
Mawlamyine	31.1	24.3	802	24	30.1	24.5	935	23	31.0	24.5	670	22
Ye	30.9	23.9	935	27	30.3	23.8	1211	26	30.7	24.0	582	26
12. Rakhine State												
Sittwe	29.9	24.7	912	25	30.4	24.5	1171	26	31.3	24.7	555	22
Thantwe	30.1	23.7	1386	25	30.3	22.1	1088	25	31.4	23.3	472	21
13. Yangon Region												
Yangon	31.8	22.9	618	21	31.3	22.6	526	24	31.9	23.9	543	25
14. Shan State												
Lashio	29.2	22.0	207	18	30.5	22.1	345	20	30.7	21.5	224	9
Taunggyi	24.1	18.4	150	19	24.6	18.3	368	22	25.4	18.5	127	16
Kyaingtong	29.4	21.2	173	21	31.2	21.4	254	17	31.3	20.8	36	7
15. Ayeyarwady Region												
Pathein	31.0	23.7	662	22	30.5	22.9	994	23	31.1	22.0	326	24

Table 1.02 Monthly Temperature and Rainfall at Reporting Stations, 2016 (Concl'd)

Station	October				November				December			
	Temperature C		Rain - fall in m.m.	No. of Rainy Days	Temperature C		Rain - fall in m.m.	No. of Rainy Days	Temperature C		Rain - fall in m.m.	No. of Rainy Days
	max.	min.			max.	min.			max.	min.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1. Nay Pyi Taw												
Yezin	32.2	23.9	219	11	31.6	21.0	157	5	32.0	19.4	0	0
Pyinmana	33.0	24.6	141	12	31.7	21.7	82	5	31.9	19.7	0	0
Tatkong	33.9	24.7	150	15	32.2	20.6	84	7	32.3	18.0	0	0
2. Kachin State												
Myitkyina	33.1	21.8	40	7	28.8	15.4	154	3	27.7	12.3	5	1
Mohnyin	32.0	22.3	121	7	28.0	16.3	86	5	27.1	12.2	Trace	0
3. Kayah State												
Loikaw	29.2	19.8	137	11	28.8	16.3	90	6	27.6	13.2	0	0
4. Kayin State												
Hpa-an	33.5	24.2	304	13	34.6	23.1	6	3	34.1	21.4	Trace	0
5. Chin State												
Falam	23.0	16.6	240	12	20.3	11.7	42	6	20.3	9.8	0	0
Hakha	21.6	14.6	121	16	19.8	7.2	53	8	19.7	3.5	Trace	0
6. Sagaing Region												
Katha	32.9	24.3	77	8	29.4	18.2	59	5	29.7	14.4	0	0
Mawlaik	32.8	22.3	186	11	29.3	16.9	41	5	28.3	13.0	0	0
Monywa	32.3	24.8	194	13	30.1	20.4	39	6	29.7	17.4	0	0
Shwebo	32.6	23.9	127	11	30.2	18.7	23	2	29.9	15.1	0	0
Hkamti	30.9	14.6	281	12	27.7	10.8	73	4	25.1	11.7	19	2
7. Tanintharyi Region												
Dawei	31.4	23.3	380	19	34.1	22.9	39	6	33.6	21.0	Trace	0
Myeik	30.1	24.0	555	24	33.0	24.4	57	9	32.2	23.7	Trace	0
8. Bago Region												
Bago	32.3	24.2	310	19	32.8	22.3	39	2	32.8	20.7	0	0
Pyay	33.0	24.4	144	11	32.2	22.3	71	4	32.4	20.9	0	0
9. Magway Region												
Magway	39.8	18.1	135	9	35.6	14.5	56	4	30.5	10.7	0	0
Gangaw	30.9	22.7	297	17	28.1	19.0	29	6	26.9	14.6	0	0
10. Mandalay Region												
Mandalay	33.7	24.8	208	8	30.7	20.0	115	3	30.5	17.0	0	0
Pyin-Oo-Lwin	27.0	17.9	160	16	25.0	12.9	219	7	24.3	10.3	Trace	0
Nyaung Oo	32.5	24.7	200	12	31.4	20.0	102	6	31.3	16.2	0	0
11. Mon State												
Mawlamyine	32.8	24.6	240	11	34.3	23.3	34	2	33.7	21.7	0	0
Ye	32.6	23.9	201	18	33.9	23.3	94	7	33.6	20.5	0	0
12. Rakhine State												
Sittwe	31.9	24.4	464	16	30.8	20.6	0	0	30.6	17.9	0	0
Thantwe	32.8	23.4	350	15	33.2	20.7	32	1	33.1	18.8	0	0
13. Yangon Region												
Yangon	32.3	24.0	227	15	33.4	22.8	1	0	33.5	21.4	0	0
14. Shan State												
Lashio	30.1	20.2	266	17	28.4	15.5	63	4	26.9	10.8	7	1
Taunggyi	25.7	17.5	208	14	25.0	14.3	25	4	24.3	12.4	0	0
Kyaingtong	30.2	19.4	92	8	28.4	16.2	71	6	26.6	13.1	0	0
15. Ayeyarwady Region												
Pathein	32.0	21.2	338	20	33.2	19.3	64	4	33.2	18.0	0	0

Note:Trace mean that can not be measure.
* Data not received

Source : Department of Meteorology and Hydrology

Table 1.03 Annual Rainfall, Temperature and Percentage of Humidity

Station	2007 Actual				2008 Actual			
	Annual Rainfall in Millimeter	Temperature C° Mean max.	Temperature C° Mean min.	Mean Relative Humidity Percent	Annual Rainfall in Millimeter	Temperature C° Mean max.	Temperature C° Mean min.	Mean Relative Humidity Percent
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. Kachin State								
Myitkyina	2457	30.1	18.6	80	2489	30.2	18.8	80.1
Mohnyin	1379	29.7	16.5	80	1999	29.6	16.4	81.4
2. Kayah State								
Loikaw	1204	29.2	16.7	75	1162	28.8	16.9	81.0
3. Kayin State								
Hpa-an	4262	33.6	21.6	79	5160	32.6	21.6	81.0
4. Chin State								
Falam	1581	23.6	13.6	71	1391	24.6	14.1	68.7
Hakha	2133	21.3	9.6	78	1489	21.6	8.1	76.8
5. Sagaing Region								
Katha	2222	31.6	15.8	77	1676	31.5	15.1	n.a
Mawlaik	1839	30.0	20.6	78	2100	30.1	21.0	49.5
Monywa	783	34.2	21.1	67	509	34.6	21.1	69.8
Shwebo	807	33.3	19.7	78	601	35.1	16.4	83.5
Hkamti	4920	29.6	18.4	88	4117	28.4	18.7	88.8
6. Tanintharyi Region								
Dawei	4312	32.1	21.6	78	5551	31.7	21.5	80.2
Myeik	3762	31.7	23.5	80	4372	31.5	23.5	80.3
7. Bago Region								
Bago	3773	32.5	22.3	84	3397	32.1	22.5	80.5
Pyay	1510	33.6	21.8	70	1539	33.8	20.7	72.5
8. Magway Region								
Magway	962	33.8	18.6	70	903	34.1	17.9	71.7
Gangaw	1172	32.0	20.0	71	1213	32.1	21.0	73.9
9. Mandalay Region								
Mandalay	1167	33.4	21.8	72	726	33.7	22.2	69.6
Pyin-Oo-Lwin	1480	26.3	13.8	79	1302	26.6	13.8	82.2
Pyinmana	1305	33.5	21.7	74	1272	33.4	21.8	73.8
Nyaung Oo	660	33.6	21.8	64	674	33.8	22.1	64.9
10. Mon State								
Mawlamyine	4757	32.3	22.5	75	6013	31.7	21.6	78.1
Ye	5852	33.1	22.8	82	6365	31.9	22.7	80.6
11. Rakhine State								
Sittwe	5169	30.1	19.8	80	4305	30.4	19.9	81.2
Thantwe	6512	32.2	20.2	77	5005	31.7	19.6	76.6
12. Yangon Region								
Yangon	3592	33.1	21.6	80	3063	32.9	20.5	81.0
13. Shan State								
Lashio	1245	29.8	15.3	72	1270	29.5	14.7	71.3
Taunggyi	1439	25.6	14.6	69	1509	25.3	14.9	70.4
Kyaingtong	1151	29.4	17.4	69	1376	28.9	17.7	72.1
14. Ayeyarwady Region								
Pathein	3277	33.3	22.6	80	3052	32.7	22.7	82.0

Table 1.03 Annual Rainfall, Temperature and Percentage of Humidity(Cont'd)

Station	2009 Actual				2010 Actual			
	Annual Rainfall in Millimeter	Temperature C° Mean max.	Temperature C° Mean min.	Mean Relative Humidity Percent	Annual Rainfall in Millimeter	Temperature C° Mean max.	Temperature C° Mean min.	Mean Relative Humidity Percent
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. Kachin State								
Myitkyina	2548	31.3	19.4	80.1	2766	31.2	19.0	80.7
Mohnyin	1286	30.8	17.6	79.4	2029	30.3	17.4	77.6
2. Kayah State								
Loikaw	951	29.5	17.4	83.4	1116	30.3	17.4	83.1
3. Kayin State								
Hpa-an	4833	33.2	21.4	76.3	3747	34.5	21.0	73.6
4. Chin State								
Falam	1640	25.2	15.2	-	1389	24.3	15.4	68.6
Hakha	1877	22.5	8.7	74.8	1851	22.3	9.0	76.3
5. Sagaing Region								
Katha	1369	32.9	16.9	-	2444	31.6	13.1	*
Mawlaik	1371	31.9	21.6	-	*	32.6	20.9	*
Monywa	498	35.6	19.8	69.5	1152	35.2	21.6	69.0
Shwebo	748	34.4	14.6	66.0	970	33.7	21.6	77.4
Hkamti	3086	30.5	19.3	84.1	3386	30.0	19.1	89.7
6. Tanintharyi Region								
Dawei	6250	31.8	21.2	81.5	3188	33.1	22.7	78.9
Myeik	4282	31.2	23.5	81.1	3136	32.0	24.2	78.9
7. Bago Region								
Bago	2854	32.4	21.6	80.0	2513	33.1	20.6	78.5
Pyay	1059	34.7	21.0	69.8	1588	34.7	21.2	69.3
8. Magway Region								
Magway	802	35.1	18.9	67.6	1141	35.0	20.1	71.1
Gangaw	1127	33.6	21.3	67.4	1065	33.0	21.3	72.6
9. Mandalay Region								
Mandalay	680	35.7	21.1	65.0	1018	35.1	23.0	66.1
Pyin-Oo-Lwin	979	27.2	16.9	62.9	1929	27.4	13.7	75.5
Pyinmana	843	34.3	22.1	71.1	1345	34.9	21.6	67.6
Nyaung Oo	374	35.4	22.7	62.6	1296	35.1	23.0	64.0
10. Mon State								
Mawlamyine	5106	32.4	22.4	77.9	3084	33.3	23.2	76.8
Ye	5614	32.5	22.9	82.6	3228	33.5	23.5	80.8
11. Rakhine State								
Sittwe	4211	30.9	21.2	79.8	4278	31.2	21.2	80.8
Thantwe	5290	32.6	20.3	78.5	4390	33.0	20.7	76.8
12. Yangon Region								
Yangon	3101	33.3	19.8	78.6	2478	34.4	22.8	74.6
13. Shan State								
Lashio	1048	30.1	15.0	-	1264	30.0	15.9	*
Taunggyi	1322	26.3	15.2	68.8	1187	27.1	15.4	66.6
Kyaingtong	1034	29.6	17.7	-	1258	30.4	18.5	66.4
14. Ayeyarwady Region								
Pathein	3421	32.9	22.9	82.5	2386	33.6	23.3	79.5

Table 1.03 Annual Rainfall, Temperature and Percentage of Humidity(Cont'd)

Station	2011 Actual				2012 Actual			
	Annual Rainfall in Millimeter	Temperature C°		Mean Relative Humidity Percent	Annual Rainfall in Millimeter	Temperature C°		Mean Relative Humidity Percent
		Mean max.	Mean min.			Mean max.	Mean min.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. Kachin State								
Myitkyina	2502	30.8	19.4	79.7	2527	29.9	19.9	80
Mohnyin	2046	29.9	17.7	79.1	1335	30.6	17.8	77
2. Kayah State								
Loikaw	1833	28.5	16.9	81.2	1081	29.6	16.6	72
3. Kayin State								
Hpa-an	5640	32.5	21.5	77.9	4446	33.6	21.3	77
4. Chin State								
Falam	1889	23.2	14.8	69.9	1698	24.2	15.0	66
Hakha	2041	21.3	8.5	79.7	1220	21.9	11.4	73
5. Sagaing Region								
Katha	1995	31.3	14.2	79.5	1080	32.3	14.5	75
Mawlaik	2197	33.4	26.1	80.8	1410	32.3	19.8	74
Monywa	1068	33.5	21.6	70.6	604	35.1	21.8	66
Shwebo	1163	33.3	21.6	79.0	656	34.7	21.5	73
Hkamti	3335	29.5	18.8	87.2	3529	29.8	18.5	85
6. Tanintharyi Region								
Dawei	5679	31.8	22.1	81.0	6550	32.5	22.5	84
Myeik	4938	30.7	23.5	81.4	4302	31.3	24.2	84
7. Bago Region								
Bago	3793	31.6	20.6	81.0	3603	32.7	22.9	77
Pyay	1660	33.4	20.7	72.1	1185	34.1	20.6	70
8. Magway Region								
Magway	1051	33.3	21.7	73.8	746	34.7	22.6	69
Gangaw	1797	31.5	20.5	82.2	1050	32.8	20.5	83
9. Mandalay Region								
Mandalay	1245	33.4	22.4	70.1	649	34.7	23.0	66
Pyin-Oo-Lwin	1880	27.6	14.3	76.9	1373	26.6	14.5	74
Pyinmana	1617	33.0	20.8	75.7	937	33.9	20.8	73
Nyaung Oo	1023	33.7	22.1	68.5	477	34.6	22.7	62
10. Mon State								
Mawlamyine	5976	32.2	22.5	81.0	5169	33.1	23.1	80
Ye	7146	32.3	23.1	82.1	5554	32.9	23.3	84
11. Rakhine State								
Sittwe	5554	30.4	20.5	82.0	5625	30.6	20.4	82
Thantwe	5899	32.1	20.4	78.1	5084	32.7	20.9	76
12. Yangon Region								
Yangon	3058	32.8	22.4	78.1	2749	33.7	21.7	76
13. Shan State								
Lashio	1267	29.0	15.4	76.9	1168	30.2	15.8	72
Taunggyi	2008	25.4	14.8	72.0	1319	25.7	15.0	70
Kyaingtong	1396	28.8	18.1	73.3	1169	30.1	18.0	68
14. Ayeyarwady Region								
Pathein	2885	31.9	22.7	83.8	3456	32.7	22.8	82

Table 1.03 Annual Rainfall, Temperature and Percentage of Humidity(Cont'd)

Station	2013Actual				2014 Actual			
	Annual Rainfall in Millimeter	Temperature C°		Mean Relative Humidity Percent	Annual Rainfall in Millimeter	Temperature C°		Mean Relative Humidity Percent
		Mean max.	Mean min.			Mean max.	Mean min.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. Kachin State								
Myitkyina	2399	30.6	19.2	79	1924	30.9	20.0	76
Mohnyin	1387	30.6	17.6	76	1660	30.9	18.1	76
2. Kayah State								
Loikaw	1372	29.7	17.1	75	902	29.8	16.6	73
3. Kayin State								
Hpa-an	5081	33.4	21.7	76	4051	33.4	22.0	76
4. Chin State								
Falam	1900	23.7	14.8	70	1128	23.9	15.4	71
Hakha	1731	21.9	11.2	74	1320	22.5	11.1	73
5. Sagaing Region								
Katha	1513	32.1	15.1	75	1634	32.9	20.8	74
Mawlaik	1791	32.4	19.5	76	942	34.7	19.1	72
Monywa	680	34.5	21.9	66	711	34.9	22.1	66
Shwebo	885	34.2	21.3	73	719	34.5	21.6	70
Hkamti	3497	30.0	18.5	85	2444	30.6	18.8	83
6. Tanintharyi Region								
Dawei	5568	32.1	21.6	83	5824	32.7	21.5	80
Myeik	4707	32.0	24.1	82	4598	32.5	23.8	80
7. Bago Region								
Bago	3261	32.8	23.2	80	3722	32.9	23.2	78
Pyay	1556	34.0	20.7	70	1224	34.4	20.8	70
8. Magway Region								
Magway	1006	34.4	22.3	68	605	35.3	21.9	69
Gangaw	1106	32.4	20.4	78	888	34.1	20.8	72
9. Mandalay Region								
Mandalay	922	34.3	22.8	67	624	35.0	23.1	67
Pyin-Oo-Lwin	1453	26.9	13.6	76	1532	26.9	12.8	77
Pyinmana	1545	33.5	21.1	76	1141	33.9	21.8	75
Nyaung Oo	791	34.6	22.3	65	478	34.7	23.6	56
10. Mon State								
Mawlamyine	5205	32.9	22.8	78	4862	33.0	22.6	76
Ye	6043	32.7	23.5	83	5226	33.3	22.2	79
11. Rakhine State								
Sittwe	5259	31.0	20.4	85	3740	31.4	20.2	85
Thantwe	5240	33.0	21.1	80	4711	32.9	20.4	83
12. Yangon Region								
Yangon	2774	33.5	21.5	77	3136	33.8	21.0	76
13. Shan State								
Lashio	1521	29.8	15.9	74	975	29.9	16.0	72
Taunggyi	1514	25.5	15.2	71	1201	25.7	14.9	69
Kyaingtong	1646	29.7	17.8	70	1220	30.1	17.4	68
14. Ayeyarwady Region								
Pathein	2741	32.9	22.5	84	3091	33.2	22.2	82

Table 1.03 Annual Rainfall, Temperature and Percentage of Humidity(Concl'd)

Station	2015 Actual				2016 Actual			
	Annual Rainfall in Millimeter	Temperature C°		Mean Relative Humidity Percent	Annual Rainfall in Millimeter	Temperature C°		Mean Relative Humidity Percent
		Mean max.	Mean min.			Mean max.	Mean min.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. Nay Pyi Taw								
Yezin	851	34.3	21.1	73	1,359	34.1	22.0	73
Tatkone	685	34.4	20.9	65	1,084	34.2	21.9	68
Pyinmana	1,086	33.8	22.0	74	1,182	33.8	22.9	76
2. Kachin State								
Myitkyina	2,395	30.5	19.0	76	2,734	30.2	19.3	78
Mohnyin	1,792	30.2	18.5	78	1,695	30.2	19.0	81
3. Kayah State								
Loikaw	1,082	29.8	15.9	72	1,191	29.9	18.0	77
4. Kayin State								
Hpa-an	4,167	33.2	22.5	73	3,723	33.9	22.9	75
5. Chin State								
Falam	1,938	23.1	14.0	74	1,911	23.3	14.2	76
Hakha	2,403	22.1	10.9	80	2,169	22.2	11.4	81
6. Sagaing Region								
Katha	2,029	31.5	20.1	75	1,245	31.7	20.0	78
Mawlaik	1,889	32.3	19.0	80	1,987	32.2	19.2	80
Monywa	844	34.4	22.4	68	876	34.3	22.5	69
Shwebo	1,044	33.4	21.3	70	1,148	33.3	21.6	69
Hkamti	3,393	29.6	16.7	83	4,079	29.2	14.3	85
7. Tanintharyi Region								
Dawei	4,908	33.0	21.2	78	4,528	33.3	22.1	77
Myeik	4,351	32.5	24.2	79	3,683	32.4	24.6	80
8. Bago Region								
Bago	3,298	33.2	23.4	78	3,375	33.3	23.1	76
Pyay	1,595	33.8	21.6	69	1,234	33.9	22.8	72
9. Magway Region								
Magway	1,171	34.8	20.7	69	1,735	34.7	18.4	69
Gangaw	1,385	32.8	19.9	78	1,367	32.3	20.0	78
10. Mandalay Region								
Mandalay	973	34.3	22.3	67	1,320	34.2	22.2	68
Pyin-Oo-Lwin	1,653	26.7	13.8	77	1,425	27.0	14.7	80
Nyaung Oo	633	34.7	22.1	64	760	32.7	21.8	67
11. Mon State								
Mawlamyine	5,148	33.6	22.8	77	3,792	33.5	23.4	77
Ye	5,216	32.9	22.0	79	4,697	33.5	22.5	81
12. Rakhine State								
Sittwe	5,694	30.7	19.6	87	4,881	31.4	21.5	87
Thantwe	4,403	32.8	20.3	83	4,592	32.7	20.7	80
13. Yangon Region								
Yangon	2,662	33.9	22.5	76	2,605	33.7	22.1	76
14. Shan State								
Lashio	1,235	29.1	16.4	74	1,545	29.4	16.7	74
Taunggyi	1,190	25.5	15.2	72	1,349	25.6	15.7	73
Kyaingtong	1,246	29.9	16.8	71	1,008	29.8	17.1	70
15. Ayeyarwady Region								
Pathein	3,076	33.5	19.7	80	3,598	33.3	21.7	80

Source : Department of Meteorology and Hydrology

Table 1.04 Area Classified by Type of Land

(Thousand Acres)

Period	Reserved Forests	Current Fallows	Net Area Sown	Occupied Area (3) + (4)	Culturable Waste Other Than Fallows	Other Wood Land	Other	Total Area
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
2007 - 2008	41404	653	28930	29583	14304	40891	41004	167186
2008 - 2009	41604	634	29351	29985	14011	40570	41016	167186
2009 - 2010	41752	597	29591	30187	13861	40166	41219	167186
2010 - 2011	44271	569	29703	30272	13333	38621	40689	167186
2011 - 2012	45058	795	29454	30249	13279	37926	40674	167186
2012 - 2013	45232	1086	29258	30344	13246	37577	40787	167186
2013 - 2014	45950	1129	29328	30457	13058	36675	41046	167186
2014 - 2015	45896	1094	29617	30711	13014	36409	41156	167186
2015 - 2016	45848	1111	29671	30782	12964	36427	41165	167186
2016- 2017 (p)	46100	1165	29746	30911	12946	36107	41122	167186

Note: Net area sown is exclusive of squatter.

Source : Department of Agricultural Land Management and Statistics.

Table 1.05 Area Classified by Type of Land by States and Regions, 2016-2017 (p)

(Acres)

States and Regions	Reserved Forests	Current Fallows	Net Area Sown	Occupied Area (3) + (4)	Culturable Waste Other Than Fallows	Other Wood land	Other	Total Area
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Union	46099623	1165447	29745799	30911246	12945619	36106999	41122337	167185824
1 . Naypyitaw	718567	-	303327	303327	2292	259944	459714	1743844
2 . Kachin State	7079750	138109	775583	913692	3397550	5961899	4649812	22002703
3 . Kayah State	1562100	10275	167696	177971	41637	409573	707640	2898921
4 . Kayin State	2220505	63617	1149319	1212936	60805	3040099	973398	7507743
5 . Chin State	1454596	3744	180268	184012	3106309	1140710	3014832	8900459
6 . Sagaing Region	9033041	34871	4601712	4636583	251348	4001218	5232192	23154382
7 . Tanintharyi Region	3387428	35626	1090742	1126368	642018	2924497	2630446	10710757
8 . Bago Region	3910420	3851	3330100	3333951	173090	187315	2132267	9737043
9 . Magway Region	2645591	6953	3063442	3070395	131894	2346802	2880723	11075405
10 . Mandalay Region	1553432	165490	3200045	3365535	57298	591676	2064671	7632612
11 . Mon State	529920	67285	1440691	1507976	30609	205467	764592	3038564
12 . Rakhine State	1705648	67737	1231304	1299041	270971	3523802	2288591	9088053
13 . Yangon Region	264874	54724	1416754	1471478	37288	3240	762549	2539429
14 . Shan State	8506471	498402	2992413	3490815	4707597	11242305	10552157	38499345
15 . Ayeyarwady Region	1527280	14763	4802403	4817166	34913	268452	2008753	8656564

Note: Net area sown is exclusive of squatter.

Source : Department of Agricultural Land Management and Statistics.

Table 1.06 Land Utilization of Net Area Sown

(Thousand Acres)

Period	Paddy	Ya	Kaing	Garden	Dhani	Taungya	Net area Sown
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
2007 - 2008	15869	10255	1393	4037	118	1005	32677
2008 - 2009	15905	10429	1397	4414	119	1068	33332
2009 - 2010	15986	10394	1399	4768	120	1049	33716
2010 - 2011	15997	10476	1403	4944	123	1028	33971
2011 - 2012	15747	10371	1405	5022	123	893	33561
2012 - 2013	15599	10191	1361	4795	122	794	32862
2013 - 2014	15548	10177	1351	4857	121	714	32768
2014 - 2015	15629	10227	1350	5009	121	678	33014
2015 - 2016	15658	10242	1343	4995	121	657	33016
2016 - 2017 (p)	15625	10305	1355	5039	117	608	33049

Note : Net area sown is inclusive of squatter.

Source : Department of Agricultural Land Management and Statistics.

Table 1.07 Number of Farmers Classified by Land Holdings (2016-2017)

(Number)

S.N	States and Regions	Less than 0.5 (hectare)	0.5 to 1 (hectare)	More than 1 (hectare)	Total
		1.23 (acre)	1.23 - 2.47 (acre)	2.47 (acre above)	
(1)	(2)	(3)	(4)	(5)	(6)
	UNION	1999625	1510388	3724717	7234730
1.	Nay pyi Taw	18085	33531	47685	99301
2.	Kachin State	34916	45163	119489	199568
3.	Kayah State	15308	13279	30050	58637
4.	Kayin State	50478	41327	158861	250666
5.	Chin State	3350	17222	36298	56870
6.	Sagaing Region	322815	235501	615262	1173578
7.	Tanintharyi Region	44132	31837	120863	196832
8.	Bago Region	113954	95944	437499	647397
9.	Magway Region	406807	243870	370527	1021204
10.	Mandalay Region	423526	252656	388796	1064978
11.	Mon State	61395	39956	154372	255723
12.	Rakhine State	95497	77977	184593	358067
13.	Yangon Region	33665	26408	129558	189631
14.	Shan State	214623	190659	418921	824203
15.	Ayeyarwady Region	161074	165058	511943	838075

Source : Planning Department (MOALI)

Table 1.08 Area not Available for Cultivation

(Thousand Acres)

Period	Grazing Grounds & Cattle Paths	Cannals, Reservoirs Tanks and Embankment	Residential Area and Town	Village Land	Road	Railway Land	Others	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
2007 - 2008	754	616	460	1005	643	56	37470	41004
2008 - 2009	755	618	461	1006	643	58	37475	41016
2009 - 2010	763	621	467	1007	645	60	37656	41219
2010 - 2011	761	622	477	1006	648	64	37111	40689
2011 - 2012	759	622	478	1023	652	66	37074	40674
2012 - 2013	756	624	481	1034	652	66	37174	40787
2013 - 2014	757	632	481	1185	668	67	37256	41046
2014 - 2015	756	638	490	1216	673	67	37316	41156
2015 - 2016 (p.a)	746	640	495	1234	674	67	37307	41163
2016 - 2017 (p)	739	642	497	1236	675	67	37266	41122

Source : Department of Agricultural Land Management and Statistics.

Table 1.09 Area Sown by Type of Planting Classification

(Thousand Acres)

Period	Double Cropped Area					Area Sown More Than Twice	Net Area Sown	Mixed Cropped Area	Gross Area Sown	Total Harvested Area
	Re-planted Area	Pre-monsoon/ Mid-monsoon	Mid-monsoon/ Winter	Pre-monsoon/ Winter	Total Cropped Area (2+3+4+5)				(6+7+8+9)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
2007 - 2008	2	1689	4769	7323	13783	312	32677	7879	54651	48795
2008 - 2009	-	1807	5502	6643	13952	370	33332	9082	56736	49759
2009 - 2010	-	1695	6008	6491	14194	450	33716	9369	57729	50551
2010 - 2011	1	1713	6485	6124	14323	414	33971	9527	58234	50926
2011 - 2012	6	1748	6026	5408	13188	361	33561	8480	55589	46128
2012 - 2013	17	1620	5815	4947	12399	282	32862	6461	52006	44488
2013 - 2014	2	1642	6021	5559	13224	395	32768	6410	52800	44971
2014 - 2015	*	1757	6341	5067	13165	302	33014	6325	52806	45062
2015 - 2016	12	1832	6232	5340	13416	335	33016	5918	52689	45223
2016 - 2017	12	1551	6365	5204	13132	344	33049	5022	51548	44925

Note : Net area sown is inclusive of squatter.
* Less than One unit.

Source : Department of Agricultural Land Management and Statistics.

Table 1.10 Permanent Forest Estate by States and Regions

(Square Mile)

S.N.	States and Regions	Year	Total Land Area	Permanent Forest Estate		
				Reserved Forest & Protected Public Forest Area	Protected Area System (PAS)	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	Union	2007-2008	261228	62489.38	10275.52	72764.90
		2008-2009	261228	62801.89	10275.52	73077.41
		2009-2010	261228	63048.86	10275.53	73324.39
		2010-2011	261228	62748.95	14631.17	77380.12
		2011-2012	261228	63976.89	14631.14	78608.03
		2012-2013	261228	64243.03	14631.11	78874.14
		2013-2014	261228	64689.22	14642.47	79331.69
		2014-2015	261228	65319.29	15021.66	80340.95
		2015-2016	261228	65252.14	15011.61	80263.75
		2016-2017(p.a)	261228	65528.71	15127.61	80656.32
1	Kachin State	2007-2008	34379	5833.00	6053.81	11886.81
		2008-2009	34379	6017.73	6053.81	12071.54
		2009-2010	34379	6193.42	6053.80	12247.22
		2010-2011	34379	6294.85	7726.80	14021.65
		2011-2012	34379	7083.98	7726.80	14810.78
		2012-2013	34379	7208.73	7726.80	14935.53
		2013-2014	34379	7084.58	7726.80	14811.38
		2014-2015	34379	7204.41	6053.80	13258.21
		2015-2016	34379	7203.74	6053.80	13257.54
		2016-2017(p.a)	34379	7203.74	6169.83	13373.57
2	Kayah State	2007-2008	4530	2451.79	-	2451.79
		2008-2009	4530	2451.79	-	2451.79
		2009-2010	4530	2451.69	-	2451.69
		2010-2011	4530	2449.61	-	2449.61
		2011-2012	4530	2449.61	-	2449.61
		2012-2013	4530	2449.61	-	2449.61
		2013-2014	4530	2442.16	-	2442.16
		2014-2015	4530	2441.91	-	2441.91
		2015-2016	4530	2441.86	-	2441.86
		2016-2017(p.a)	4530	2441.86	-	2441.86
3	Kayin State	2007-2008	11731	3442.00	115.48	3557.48
		2008-2009	11731	3485.78	115.48	3601.26
		2009-2010	11731	3499.66	115.50	3615.16
		2010-2011	11731	3492.37	115.50	3607.87
		2011-2012	11731	3492.37	115.50	3607.87
		2012-2013	11731	3492.37	115.50	3607.87
		2013-2014	11731	3473.65	115.50	3589.15
		2014-2015	11731	3469.54	115.50	3585.04
		2015-2016	11731	3469.54	115.50	3585.04
		2016-2017(p.a)	11731	3469.54	115.50	3585.04

Table 1.10 Permanent Forest Estate by States and Regions (Cont'd)

(Square Mile)

S.N.	States and Regions	Year	Total Land Area	Permanent Forest Estate		
				Reserved Forest & Protected Public Forest Area	Protected Area System (PAS)	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
4	Chin State	2007-2008	13907	2031.51	-	2031.51
		2008-2009	13907	2031.51	-	2031.51
		2009-2010	13907	2031.51	-	2031.51
		2010-2011	13907	1995.70	275.50	2271.20
		2011-2012	13907	1995.62	275.50	2271.12
		2012-2013	13907	1995.62	275.50	2271.12
		2013-2014	13907	1940.26	325.93	2266.19
		2014-2015	13907	1997.57	325.78	2323.35
		2015-2016	13907	1998.27	325.78	2324.05
		2016-2017(p.a)	13907	1998.27	325.78	2324.05
5	Sagaing Region	2007-2008	36534	11102.82	1630.73	12733.55
		2008-2009	36534	11102.82	1630.73	12733.55
		2009-2010	36534	11108.96	1630.73	12739.69
		2010-2011	36534	11121.56	4130.51	15252.07
		2011-2012	36534	11273.23	4130.51	15403.74
		2012-2013	36534	11320.86	4130.51	15451.37
		2013-2014	36534	11269.21	4126.92	15396.13
		2014-2015	36534	11479.95	5799.89	17279.84
		2015-2016	36534	11479.73	5799.89	17279.62
		2016-2017(p.a)	36534	11617.97	5799.89	17417.86
6	Tenintharyi Region	2007-2008	16736	4859.21	754.45	5613.66
		2008-2009	16736	4858.42	754.45	5612.87
		2009-2010	16736	4855.77	754.45	5610.22
		2010-2011	16736	4854.25	754.46	5608.71
		2011-2012	16736	4939.82	754.46	5694.28
		2012-2013	16736	4936.03	754.46	5690.49
		2013-2014	16736	5300.62	754.46	6055.08
		2014-2015	16736	5299.58	754.46	6054.04
		2015-2016	16736	5293.00	754.32	6047.32
		2016-2017(p.a)	16736	5293.00	754.32	6047.32
7	Bago Region	2007-2008	15214	6284.42	40.00	6324.42
		2008-2009	15214	6284.42	40.00	6324.42
		2009-2010	15214	6284.03	40.00	6324.03
		2010-2011	15214	6206.89	40.00	6246.89
		2011-2012	15214	6206.87	40.00	6246.87
		2012-2013	15214	6206.87	40.00	6246.87
		2013-2014	15214	6192.90	40.00	6232.90
		2014-2015	15214	6171.44	419.59	6591.03
		2015-2016	15214	6144.37	419.59	6563.96
		2016-2017(p.a)	15214	6144.37	419.59	6563.96

Table 1.10 Permanent Forest Estate by States and Regions (Cont'd)

(Square Mile)

S.N.	States and Regions	Year	Total Land Area	Permanent Forest Estate		
				Reserved Forest & Protected Public Forest Area	Protected Area System (PAS)	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
8	Magway Region	2007-2008	17305	4480.09	215.10	4695.19
		2008-2009	17305	4479.62	215.10	4694.72
		2009-2010	17305	4459.43	215.10	4674.53
		2010-2011	17305	4049.39	180.96	4230.35
		2011-2012	17305	4060.00	180.96	4240.96
		2012-2013	17305	4059.87	180.96	4240.83
		2013-2014	17305	4074.73	181.59	4256.32
		2014-2015	17305	4075.48	181.59	4257.07
		2015-2016	17305	4086.21	181.48	4267.69
		2016-2017(p.a)	17305	4131.92	181.48	4312.92
9	Mandalay Region	2007-2008	14295	4030.27	187.78	4218.05
		2008-2009	14295	4030.81	187.78	4218.59
		2009-2010	14295	3851.89	187.78	4039.67
		2010-2011	14295	3712.13	130.08	3842.21
		2011-2012	14295	3714.08	130.08	3844.16
		2012-2013	14295	3633.75	130.06	3763.81
		2013-2014	14295	3632.16	130.06	3762.22
		2014-2015	14295	3604.15	175.61	3779.76
		2015-2016	14295	3602.40	175.59	3777.99
		2016-2017(p.a)	14295	3600.98	175.59	3776.57
10	Mon State	2007-2008	4748	838.23	69.56	907.79
		2008-2009	4748	837.85	69.56	907.41
		2009-2010	4748	837.84	69.56	907.40
		2010-2011	4748	832.32	69.56	901.88
		2011-2012	4748	832.31	69.56	901.87
		2012-2013	4748	832.31	69.55	901.86
		2013-2014	4748	829.19	69.05	898.24
		2014-2015	4748	828.26	69.05	897.31
		2015-2016	4748	828.23	68.98	897.21
		2016-2017(p.a)	4748	828.06	68.98	897.04
11	Rakhine State	2007-2008	14200	2635.00	677.88	3312.88
		2008-2009	14200	2634.79	677.88	3312.67
		2009-2010	14200	2650.54	677.88	3328.42
		2010-2011	14200	2650.54	677.88	3328.42
		2011-2012	14200	2650.54	677.88	3328.42
		2012-2013	14200	2650.54	677.88	3328.42
		2013-2014	14200	2622.41	677.88	3300.29
		2014-2015	14200	2617.41	677.88	3295.29
		2015-2016	14200	2617.12	677.88	3295.00
		2016-2017(p.a)	14200	2665.06	677.88	3342.94

Table 1.10 Permanent Forest Estate by States and Regions (Concl'd)

(Square Mile)

S.N.	States and Regions	Year	Total Land Area	Permanent Forest Estate		
				Reserved Forest & Protected Public Forest Area	Protected Area System (PAS)	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
12	Yangon Region	2007-2008	3927	427.78	2.41	430.19
		2008-2009	3927	426.92	2.41	429.33
		2009-2010	3927	418.31	2.41	420.72
		2010-2011	3927	415.09	2.41	417.50
		2011-2012	3927	415.08	2.41	417.49
		2012-2013	3927	415.04	2.41	417.45
		2013-2014	3927	414.53	2.41	416.94
		2014-2015	3927	413.96	2.41	416.37
		2015-2016	3927	413.87	2.41	416.28
		2016-2017(p.a)	3927	413.87	2.41	416.28
13	Shan State	2007-2008	60155	11292.54	475.20	11767.74
		2008-2009	60155	11378.71	475.20	11853.91
		2009-2010	60155	11625.09	475.20	12100.29
		2010-2011	60155	11893.98	474.39	12368.37
		2011-2012	60155	12083.11	474.36	12557.47
		2012-2013	60155	12261.16	474.36	12735.52
		2013-2014	60155	12933.52	438.75	13372.27
		2014-2015	60155	13374.30	392.98	13767.28
		2015-2016	60155	13332.47	383.27	13715.74
		2016-2017(p.a)	60155	13334.18	383.27	13717.45
14	Ayeyarwady Region	2007-2008	13567	2780.72	53.12	2833.84
		2008-2009	13567	2780.72	53.12	2833.84
		2009-2010	13567	2780.72	53.12	2833.84
		2010-2011	13567	2780.27	53.12	2833.39
		2011-2012	13567	2780.27	53.12	2833.39
		2012-2013	13567	2780.27	53.12	2833.39
		2013-2014	13567	2479.30	53.12	2532.42
		2014-2015	13567	2341.33	53.12	2394.45
		2015-2016	13567	2341.33	53.12	2394.45
		2016-2017(p.a)	13567	2386.37	53.12	2439.49

Source: Forest Department

Table 1.11 Forest Cover Status in Myanmar

S.N (1)	Year (2)	Area(Sq-mile) (3)	Forest Cover Area(% of total Land area) (4)
1	2007-2008	126263	48.33
2	2008-2009	125067	47.88
3	2009-2010	123872	47.42
4	2010-2011	122677	46.96
5	2011-2012	120567	46.15
6	2012-2013	118457	45.34
7	2013-2014	116347	44.54
8	2014-2015	114237	43.73
9	2015-2016	112127	42.92
10	2016-2017	110018	42.11

Note:
- Annual Forest Cover is estimated based on the forest cover of 2010 and 2016 and annual change rate mentioned in FRA 2010 and FRA 2016
- The forest cover of 2015 is 29041 thousand hectares (112127 sq-mile)
- The forest cover of 2016 is 28502 thousand hectares (110018 sq-mile)
- Annual change rate between 2005 and 2010 is (-309.6) thousand hectares or (-1195.38 sq-mile)
- Annual change rate between 2010 and 2015 is (-546) thousand hectares or (-2110 sq-mile).
- 2011-2012 to 2014-2015 Forest Cover area(Sq-mile) is estimated based on the annual change rate between 2010 and 2015.

Source: Forest Department

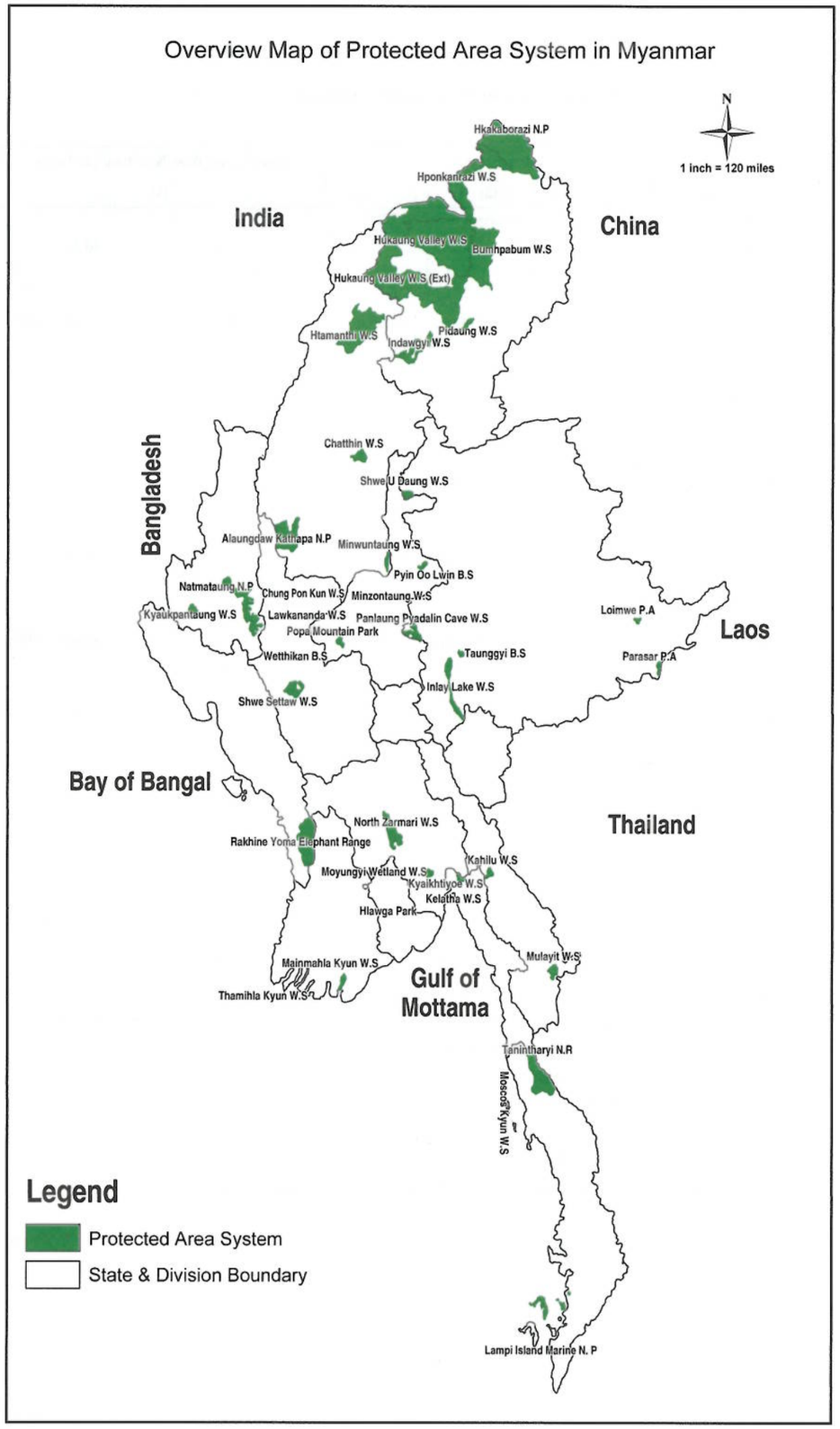


Table 1.12 Existing Protected Areas in Myanmar

Name (1)	Location (States/Regions) (2)	Category of Sanctuary (3)	Year of Establishment (4)	Areas sq.mile (5)	Wildlife Species for which sanctuary is offered (6)
Pidaung Wildlife Sanctuary	Kachin State	Terrestrial N 25° 15' & 25° 35' Between E 97° 14' & 97° 20'	1927	47.13	Gaur, Banteng, Sambar, Leopard, Bear.
Hkakaborazi National Park	Kachin State	H d . Terrestrial N 28° 05' & E 97° 44'	1998	1472	Takin, Musked deer, Red goral, Black barking deer, Avifauna,Orchids.
Indawgyi Wildlife Sanctuary	Kachin State	9 a. Wetland / Lake Between N 24° 56' & 25° 24', Between E 96° 0' & 96 39'	2004	314.67	Elephant, Sambar deer, Leopard, Bear, Serow, Gaur, migratory and Residence birds.
Hukaung Valley Wildlife Sanctuary	Kachin State	9 b.Terrestrial N 26° 17' & E 97° 41'	2004	2460	Elephant, Tiger, Leopard, Gaur, Sambar, Bear, Wildboar, Serow, Birds.
Bumphabum Wildlife Sanctuary	Kachin State	9 b.Terrestrial N 26° 29' & E 97° 31'	2004	716	Elephant, Gaur,Serow, Leopard, Clouded Leopard, Golden cat, Jackal, Goral, Macaques, Civets, Bear, Avifauna.
Hponkanrazi Wildlife Sanctuary	Kachin State	9 b.Terrestrial N 27° 30' & E 97° 43'	2003	1044	Barking deer, Avifauna, Red Goral, Gibbon, Wild dogs, Mongooses.
Inkhainbon National Park	Kachin State	9 b.Terrestrial N 27° 30' & E 97° 43'	2017	116.03	Leopard, Gaur, Sambar, Hog Deer leaf Deer, Red Serow, Bear, Wild Dog, Pangolin, Wild Cats, Monkeys, Wild Boar, Birds, Snakes, Aquatic fauna
Kahilu Wildlife Sanctuary	Kayin State	4.Terrestrial N 17° 3' & E 97° 6'	1928	62	Serow, Hog deer.
Mulayit Wildlife Sanctuary	Kayin State	10 a.Terrestrial N 16° 7' & E 98° 30'	1935	53.5	Leopard, Barking deer, Wild cats.
Natmataung National Park	Chin State	9 c.Terrestrial N 21° 12' & E 94° 00'	2010	275.35	Gaur, Serow, Goral and White browed Nuthatch.
Kyauk Pan Taung Wildlife Sanctuary	Chin State	9 c.Terrestrial N 21° 12' & E 94° 00'	2013	50.43	Serow, Goral,sambar, leopard, Wild cats, Barking deer, Wildboar
Chatthin Wildlife Sanctuary	Sagaing Region	9 a.Terrestrial N 23° 36' & E 95° 32'	1941	100.41	Eld's deer, Sambar, Barking deer.
Minwuntaung Wildlife Sanctuary	Sagaing Region	9 a.Terrestrial N 22° 2' & E 95° 58'	1971	79.49	Barking deer, Avifauna.
Htamanthi Wildlife Sanctuary	Sagaing Region	9 b.Terrestrial N 25° 26' & E 95° 37'	1974	830.4	Elephant, Gaur, Tiger.
Alaungdaw Katthapa National Park	Sagaing Region	9 a.Terrestrial N 22° 30' & E 94° 20'	1989	541.62	Elephant, Leopard,Gaur, Sambar, Serow, Bear.

Table 1.12 Existing Protected Areas in Myanmar (Cont'd)

Name (1)	Location (States/Regions) (2)	Category of Sanctuary (3)	Year of Establishment (4)	Areas sq.mile (5)	Wildlife Species for which sanctuary is offered (6)
Hukaung Valley Wildlife Sanctuary (extension)	Kachin State	9 b.Terrestrial	2010	1673	Elephant, Tiger, Leopard, Gaur, Sambar, Bear, Wild Boar, Serow, Water birds.
Hukaung Valley Wildlife Sanctuary (extension)	Sagaing Region	9 b.Terrestrial	2010	2574.97	Elephant, Tiger, Leopard, Gaur, Sambar, Bear, Wild Boar, Serow, Water birds.
Moscos Islands Wildlife Sanctuary	Taninthayi Region	4.Island Marine	1927	19	Barking deer, Sambar, Swiftlet.
Lampi Islands Marine National Park	Taninthayi Region	7 b.Marine Between N 10° 41' &10° 59' Between E 98° 04' & 98° 18'	1996	78.95	Coral reefs, Mouse deer, and Salon ethnic culture.
Taninthayi Nature Reserve	Taninthayi Region	5 a.Terrestrial	2005	656.37	Tiger, Gurney's Pitta, Elephant, Tapir.
Moeyungyi Wetland Wildlife Sanctuary	Bago Region	4.Wetland reservoir N 17° 34'& E 96° 35'	1988	40	Water birds.
North Zamrari Wildlife Sanctuary	Bago Region	4.Wetland reservoir N 17° 34' & E 96° 35'	2014	379.59	Elephant, Leopard, clouded leopard leopard, Guar, Bear, banteng, Avifauna
Wetthikan Bird Sanctuary	Magwe Region	9 a.Wetland N 20° 00' & E 96° 30'	1939	1.44	Wetland birds.
Shwesettaw Wildlife Sanctuary	Magwe Region	9 a.Terrestrial N 20° 12' & E 94° 35'	1940	179.19	Eld's deer, Sambar, Barking deer, Gaur.
Chung Pon Kun Wildlife Sanctuary	Magwe Region	9 c.Terrestrial N 21° 12' & E 94° 00'	2013	0.85	Myanmar golden deer, Rabbit, Wildcat, Jackal, Avifauna
Shwe-U-Daung Wildlife Sanctuary	Mandalay Region	10 b.Terrestrial Between N 23° 5' & 22° 57' Between E 99° 5' & 96° 22'	1927	22.41	Elephant, Gaur, Banteng, Sambar, Serow, Bear.
Shwe-U-Daung Wildlife Sanctuary	Shan State	10 b. Terrestrial Between N 23°5' & 22° 57' Between E 99°5' & 96° 22'	1927	45.53	Elephant, Gaur, Banteng Sambar, Serow, Bear.
Minsontaung Wildlife Sanctuary	Mandalay Region	9 a.Terrestrial N 21° 28' & E 95° 43'	2001	8.71	Barking deer, Dhole, Reptiles, Tortoise, Wild Cat.
Pyin-O-Lwin Bird Sanctuary	Mandalay Region	10 b.Terrestrial N 22° 00' & E 96° 30'	1927	49.13	Barking deer, Avifauna.

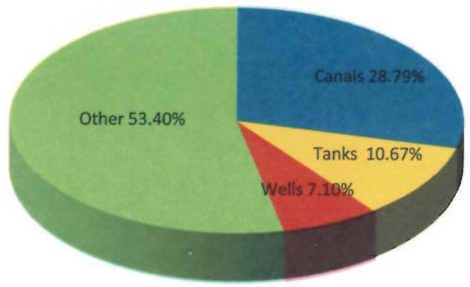
Table 1.12 Existing Protected Areas in Myanmar (Concl'd)

Name (1)	Location (States/Regions) (2)	Category of Sanctuary (3)	Year of Establishment (4)	Areas sq.mile (5)	Wildlife Species for which sanctuary is offered (6)
Popa Mountain Park	Mandalay Region	9 a.Terrestrial N 20° 53' & E 95° 15'	1989	49.63	Barking deer, Leopard, Geomorphologic features.
Lawkananda Wildlife Sanctuary	Mandalay Region	9 a.Terrestrial N 21° 15' & E 94° 47'	1995	0.18	Avifauna, Cultural diversity.
Kyaikhtiyoe Wildlife Sanctuary	Mon State	4.Terrestrial Between N 17° 24' & 17° 34' Between E 97° 01' & 97° 10'	2001	60.31	Goral, Gaur, Sambar, Monkey.
Kaylatha Wildlife Sanctuary	Mon State	4.Terrestrial N 17° 13' & E 97° 6'	1942	8.67	Serow, Avifauna .
Rakhine Yoma Elephant Range	Rakhine State	4.Terrestrial N 17° 31' & E 94° 30'	2002	677.88	Elephant, Gaur, Leopard, Jackal, Bear.
Hlawga Park	Yangon Region	4.Terrestrial N 17° 01' & E 98° 05'	1989	2.41	Sambar, Barking deer, Hog deer, Eld's deer, Monkey, Migratory birds.
Parsar Protected Area	Shan State	10 a. Terrestrial N 20° 29' & E 99° 53'	1996	29.54	Jungle fowl, Chinese Pangolin.
Inlay Lake Wildlife Sanctuary	Shan State	10 b.Wetland / Lake Between N 19° 46' & 20° 38' Between E 96° 47' & 97° 6'	1985	206.07	Water birds and fish spp.
Taunggyi Bird Sanctuary	Shan State	10 b.Terrestrial N 20° 45' & E 97° 04'	1920	2.81	Avifauna.
Panlaung-Pyadalin Cave Wildlife Sanctuary	Shan State	10 b. Terrestrial N 21° 10' & E 96° 28'	2002	128.88	Elephant, Leopard, Gaur, Banteng, Golden Cat, Clouded, Leopard, Serow, Gibbon, Orchids.
Loimwe Protected Area	Shan State	10 b. Terrestrial N 21° 8' & E 99° 45'	1996	15.97	Bear, Pangolin, Pheasant.
Meinmahla Kyun Wildlife Sanctuary	Ayeyarwady Region	4.Marine N 16° 05' E 95° 18'	1993	52.78	Crocodile, Water and Shore birds.
Thamihla Kyun Wildlife Sanctuary	Ayeyarwady Region	4. Marine N 15° 5' & E 94° 17'	1970	0.34	Marine turtle.

Source: Forest Department.

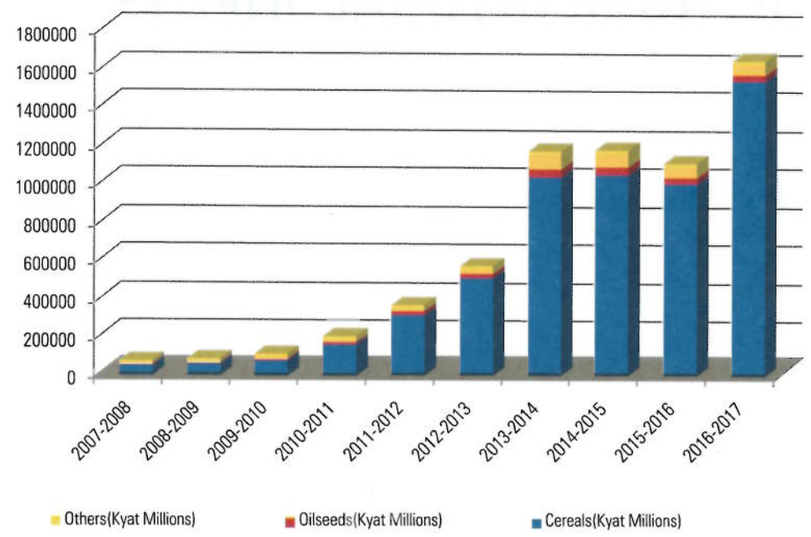
II . AGRICULTURAL INPUTS

Figure 2.1 PERCENTAGE OF IRRIGATED AREA BY TYPE OF IRRIGATION (2016-2017)



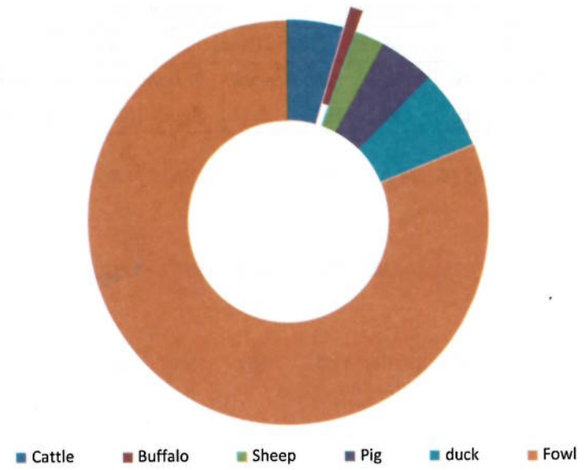
Source : Department of Agricultural Land Management and Statistics.

Figure 2.2 AGRICULTURAL LOANS BY CROP



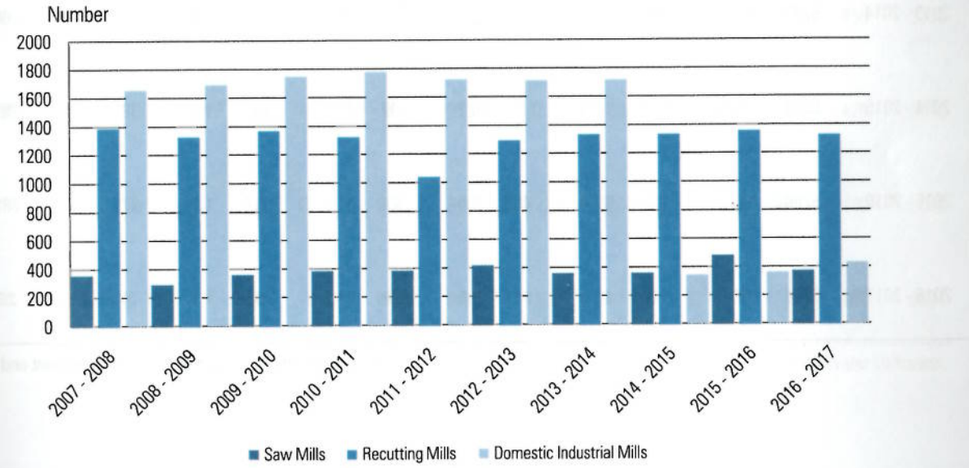
Source: Myanma Agricultural Development Bank.

Figure 2.3 LIVESTOCK BREEDING,2016-2017 (Thousand Number)



Sources: Ministry of Agriculture,Livestock and Irrigation, Office of the Ministry of Defence, Prision Department.

Figure 2.4 SAW MILLS BY STATES AND REGIONS



Sources: Myanma Timber Enterprise, Department of Forest.

Table 2.01 Irrigated Area by Type of Irrigation

(Thousand Acres)

Period	Irrigated Area		Government Irrigation				Private Irrigation				Wells		Other Sources	
			Canals		Tanks		Canals		Tanks					
	Acreage	%	Acreage	%	Acreage	%	Acreage	%	Acreage	%	Acreage	%	Acreage	%
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
2007 - 2008	5561	100.0	980	17.6	675	12.1	651	11.7	128	2.3	359	6.5	2768	49.8
2008 - 2009	5621	100.0	984	17.5	685	12.2	656	11.7	109	1.9	341	6.1	2846	50.6
2009 - 2010	5755	100.0	995	17.3	648	11.2	672	11.7	107	1.9	373	6.4	2960	51.5
2010 - 2011	5663	100.0	978	17.3	580	10.2	634	11.2	101	1.8	380	6.7	2990	52.8
2011 - 2012	5234	100.0	979	18.7	553	10.6	623	11.9	77	1.5	348	6.6	2654	50.7
2012 - 2013	5226	100.0	999	19.1	520	10.0	606	11.6	66	1.3	366	7.0	2669	51.0
2013 - 2014	5271	100.0	997	18.9	526	10.0	610	11.6	69	1.3	373	7.1	2696	51.1
2014 - 2015	5363	100.0	928	17.3	575	10.7	599	11.2	64	1.2	383	7.1	2813	52.5
2015 - 2016	5280	100.0	921	17.4	496	9.4	609	11.5	57	1.1	371	7.0	2825	54.5
2016 - 2017	5314	100.0	934	18.0	511	9.6	596	11.2	56	1.1	377	7.1	2840	53.4

Source : Department of Agricultural Land Management and Statistics.

Table 2.02 Irrigable and Flood Protection Areas

(Thousand Acres)

Period	Irrigable Area						Flood Protection					
	Weir		Tank		Total		Embankments		Drainage Work		Total	
	No.	Area	No.	Area	No.	Area	No.	Area	No.	Area	No.	Area
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
2007 - 2008	165	1493	216	1801	381	3294	214	2803	208	881	422	3684
2008 - 2009	167	1499	226	1793	393	3292	214	2803	208	880	422	3683
2009 - 2010	169	1473	235	1939	404	3412	215	2809	209	859	424	3668
2010 - 2011	170	1507	242	1950	412	3457	215	2809	209	858	424	3667
2011 - 2012	174	1482	247	1912	421	3394	234	2815	209	860	443	3675
2012 - 2013	169	1375	247	1874	416	3249	228	2804	214	860	442	3664
2013 - 2014	171	1388	256	1914	427	3302	223	2804	236	902	459	3706
2014 - 2015	192	1433	261	1862	453	3295	231	2804	239	894	470	3698
2015 - 2016	212	1351	269	1649	481	3000	225	2804	235	892	460	3696
2016 - 2017	143	1390	256	1591	399	2981	229	2815	237	878	466	3694

Source: Department of Irrigation and Management of Water Utilization.

Table 2.03 Irrigable and Flood Protection Areas by States and Regions(2016-2017)

(Acres)

States and Regions	Irrigable Area						Flood Protection					
	Weir		Tank		Total		Embankments		Drainage Work		Total	
	No.	Area	No.	Area	No.	Area	No.	Area	No.	Area	No.	Area
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Union	143	1389679	256	1590967	399	2980646	229	2815145	237	878424	466	3693569
1. Kachin State	5	21776	-	-	5	21776	-	-	-	-	-	-
2. Kayah State	10	13656	5	31227	15	44883	-	-	1	-	1	-
3. Kayin State	6	388	4	2328	10	2716	2	2372	14	13236	16	15608
4. Chin State	-	-	1	243	1	243	-	-	-	-	-	-
5. Sagaing Region	12	476069	29	170995	41	647064	6	42146	1	6965	7	49111
6.Tanintharyi Region	24	3111	-	-	24	3111	14	11400	-	-	14	11400
7. Bago Region	16	239103	35	498778	51	737881	39	515907	41	307949	80	823856
8. Magway Region	7	217519	51	109060	58	326579	-	-	-	-	-	-
9. Mandalay Region	13	109932	88	590954	101	700886	7	22605	20	53583	27	76188
10. Mon State	12	66663	5	20885	17	87548	18	20536	55	108771	73	129307
11.Rakhing State	-	-	10	6335	10	6335	32	79584	2	-	34	79584
12. Yangon Region	9	157386	9	81269	18	238655	44	295873	85	350050	129	645923
13. Shan State	24	44925	13	18138	37	63063	1	-	-	-	1	-
14. Ayeyarwady Region	5	39151	6	60755	11	99906	66	1824722	18	37870	84	1862592

Source: Department of Irrigation and Management of Water Utilization.

Table 2.04 Irrigable Area and Multiple Cropping in Irrigated Area

(Thousand Acres)

Period	Net Area Sown	Irrigated Area	Multiple Crop Irrigated Area	Percentage of Irrigated Area	Percentage of Multiple Crop Irrigated Area
(1)	(2)	(3)	(4)	(5 = 3/2)	(6 = 4/3)
2007 - 2008	32677	5561	1521	17.0	27.3
2008 - 2009	33332	5621	1348	16.9	24.0
2009 - 2010	33716	5755	1532	17.1	17.1
2010 - 2011	33971	5663	1537	16.7	16.7
2011 - 2012	33561	5234	1414	15.6	15.6
2012 - 2013	32862	5226	1149	15.9	15.9
2013 - 2014	32768	5271	1382	16.1	16.1
2014 - 2015	33014	5363	1225	16.2	16.2
2015 - 2016	33016	5280	1338	16.0	25.3
2016 - 2017	33049	5314	1359	16.0	25.6

Note: Net area sown is inclusive of squatter.

Source: Department of Irrigation and Management of Water Utilization.

Table 2.05 Irrigable Area and Multiple Cropping in Irrigated Area by States and Regions (2016-2017)

(Thousand Acres)

States and Regions (1)	Net Area Sown (2)	Irrigated Area (3)	Multiple Crop Irrigated Area (4)	Percentage of Irrigated Area (5 = 3/2)	Percentage of Multiple Crop Irrigated Area (6 = 4/3)
Union	**33049**	**5314**	**1359**	**16**	**26**
1. Nay Pyi Taw	351	85	18	24	21
2. Kachin State	879	108	41	12	38
3. Kayah State	224	48	14	21	29
4. Kayin State	1374	74	24	5	32
5. Chin State	190	24	10	13	42
6. Sagaing Region	5291	1141	553	22	48
7. Tanintharyi Region	1423	12	-	1	-
8. Bago Region	3732	343	10	9	3
9. Magway Region	3285	417	185	13	44
10. Mandalay Region	3349	534	244	16	46
11. Mon State	1600	73	-	5	-
12. Rakhine State	1333	70	-	5	-
13. Yangon Region	1523	214	-	14	-
14. Shan State	3211	534	252	17	47
15. Ayeyarwady Region	5284	1637	8	31	-

Note: Net area sown is inclusive of squatter.

Source : Department of Agricultural Land Management and Statistics.

Table 2.06 Area of Selected Crops Under Irrigation

(Thousand Acres)

Period (1)	Total Irrigated Area (2)	Paddy (3)	Wheat (4)	Maize (5)	Ground - nut (6)	Sesa- mum (7)	Pulses (8)	Sugar- cane (9)	Other Food Crops (10)	Cotton (11)	Jute (12)	Other non-food Crops (13)
2007 - 2008	7122.57	5453.48	79.35	89.41	58.67	194.04	223.98	25.13	886.55	31.79	12.72	67.45
2008 - 2009	7020.55	5323.18	78.14	94.56	61.44	176.83	236.13	24.92	923.15	31.51	6.12	64.57
2009 - 2010	7337.02	5545.69	84.37	103.87	66.57	184.48	260.68	25.93	968.20	26.90	6.85	63.48
2010 - 2011	7249.47	5402.30	88.02	115.33	72.06	178.61	274.03	26.68	1002.82	20.37	6.12	63.13
2011 - 2012	6681.78	4927.12	84.63	107.39	72.86	160.78	248.82	26.29	972.19	22.03	4.71	54.96
2012 - 2013	6419.25	4618.81	91.77	126.98	72.53	156.73	255.56	30.89	1001.55	18.14	0.57	45.72
2013 - 2014	6695.86	4805.28	94.44	144.59	79.79	209.92	281.36	27.71	1004.57	7.81	*	40.39
2014 - 2015	6626.09	4632.88	92.78	140.91	77.98	281.61	287.51	29.31	1017.83	23.36	*	41.92
2015 - 2016	6651.84	4640.51	90.10	140.74	86.45	285.66	330.55	28.27	1007.80	4.82	*	36.88
2016 - 2017	6705.10	4636.13	78.37	146.00	88.58	335.49	336.50	27.63	1016.82	3.87	*	35.71

Note: * Less than 0.5

Source : Department of Agricultural Land Management and Statistics.

Table 2.07 Area of Selected Crops Under Irrigation by States and Regions(2016-2017)

(Acres)

States and Regions (1)	Total Irrigated Area (2)	Paddy (3)	Wheat (4)	Maize (5)	Ground-nut (6)	Sesa-mum (7)	Pulses (8)	Sugar-cane (9)	Other food crops (10)	Cotton (11)	Jute (12)	Other non-food crops (13)
Union	6705106	4636125	78373	145994	88584	335498	336495	27630	1016818	3866	19	35704
1 . Nay Pyi Taw	102664	91365	-	-	-	327	-	96	10130	-	-	746
2 . Kachin State	148325	104245	-	461	12005	-	12678	-	18782	-	-	154
3 . Kayah State	61811	47006	-	5	1122	178	3702	-	9625	-	-	173
4 . Kayin State	98418	69347	-	4066	416	961	2339	950	19069	-	-	1270
5 . Chin State	34079	23930	3	-	118	-	-	-	10028	-	-	-
6 . Sagaing Region	1717635	1178854	62145	15724	49086	115122	118493	1473	172056	321	-	4361
7 . Tanintharyi Region	11732	1770	-	1700	-	100	65	70	7594	-	-	433
8 . Bago Region	352805	230452	-	9064	23	10516	-	646	97088	-	-	5016
9 . Magway Region	609690	383627	507	1941	10182	96771	47424	13	67462	39	-	1724
10 . Mandalay Region	779175	460915	4372	22695	3436	109755	55501	369	111676	3506	-	6950
11 . Mon State	73204	29856	-	2165	-	-	-	130	39709	-	-	1344
12 . Rakhine State	70164	9397	-	733	-	-	219	-	59536	-	-	279
13 . Yangon Region	213811	164812	-	766	-	101	-	933	41179	-	-	6020
14 . Shan State	786267	514035	11346	8741	11893	1001	68349	20850	147855	-	-	2197
15 Ayeyarwady Region	1645326	1326514	-	77933	303	666	27725	2100	205029	-	19	5037

Source : Department of Agricultural Land Management and Statistics.

Table 2.08 Protection Area for Weir

(Thousand Acres)

Period (1)	Total		Government		Private	
	Protect Area (2)	Net Area Sown (3)	Protect Area (4)	Net Area Sown (5)	Protect Area (6)	Net Area Sown (7)
2007-2008	3115	2574	2711	2228	404	346
2008-2009	3116	2582	2712	2233	404	349
2009-2010	3117	2587	2712	2236	405	351
2010 - 2011	3117	2586	2712	2235	405	351
2011 - 2012	3112	2577	2706	2236	406	341
2012 - 2013	3111	2582	2707	2243	404	339
2013 - 2014	3110	2570	2707	2241	403	329
2014 - 2015	3110	2571	2707	2242	403	329
2015 - 2016	3111	2596	2706	2238	405	331
2016 - 2017	3118	2573	2706	2238	412	335

Source : Department of Agricultural Land Management and Statistics.

Table 2.09 Protection Area for Weir by States and Regions (2016 -2017)

(Acres)

States and Regions (1)	Total		Government		Private	
	Protect Area (2)	Net Area Sown (3)	Protect Area (4)	Net Area Sown (5)	Protect Area (6)	Net Area Sown (7)
Union	3117528	2573087	2705704	2237596	411824	335491
1. Nay Pyi Taw	6566	4897	6566	4897	-	-
2. Kachin State	5885	4386	-	-	5885	4386
3. Kayah State	-	-	-	-	-	-
4. Kayin State	14460	10689	14460	10689	-	-
5. Chin State	-	-	-	-	-	-
6. Sagaing Region	35342	34218	28480	27356	6862	6862
7. Tanintharyi Region	59886	41338	11711	8733	48175	32605
8. Bago Region	490487	401706	471451	383821	19036	17885
9. Magway Region	2130	1394	1300	587	830	807
10. Mandalay Region	-	-	-	-	-	-
11. Mon State	70185	64801	30216	26434	39969	38367
12. Rakhine State	251147	179007	79256	45610	171891	133397
13. Yangon Region	371179	322331	338012	293640	33167	28691
14. Shan State	1247	1017	581	387	666	630
15. Ayeyarwady Region	1809014	1507303	1723671	1435442	85343	71861

Source : Department of Agricultural Land Management and Statistics

Table 2.10 Area of Selected Crops under Weir

(Thousand Acres)

Period (1)	Total (2)	Paddy (3)	Wheat (4)	Maize (5)	Ground -nut (6)	Sesam -um (7)	Pulses (8)	Sugar -cane (9)	Other food Crops (10)	Cotton (11)	Jute (12)	Other non-food Crops (13)
2007-2008	4142	2552	13	32	31	22	1080	1	345	-	4	62
2008-2009	4198	2568	15	32	34	20	1069	1	392	-	3	64
2009-2010	4233	2573	15	33	36	21	1088	1	402	-	2	62
2010-2011	4240	2572	16	35	35	22	1090	1	405	-	3	61
2011-2012	4036	2540	16	28	27	20	1074	1	269	-	4	57
2012-2013	3946	2567	12	29	29	23	1049	1	182	-	1	53
2013-2014	3929	2560	13	31	28	22	1052	1	168	-	*	54
2014-2015	3937	2564	13	30	29	23	1065	1	158	-	*	54
2015-2016	3934	2557	9	31	28	19	1087	1	147	-	*	55
2016-2017	3940	2563	9	31	27	18	1098	1	139	-	*	54

Note: * Less than 0.5

Source : Department of Agricultural Land Management and Statistics.

Table 2.11 Area of Selected Crops under Weir by States and Regions(2016-2017)

(Acres)

States and Regions (1)	Total (2)	Paddy (3)	Wheat (4)	Maize (5)	Ground -nut (6)	Sesam -um (7)	Pulses (8)	Sugar -cane (9)	Other food Crops (10)	Cotton (11)	Jute (12)	Other non-food Crops (13)
Union	3939745	2563379	9332	30557	26959	17626	1097613	1051	138915	-	13	54300
1. Nay Pyi Taw	9068	4921	-	896	173	413	2659	-	6	-	-	-
2. Kachin State	4386	4386	-	-	-	-	-	-	-	-	-	-
3. Kayah State	-	-	-	-	-	-	-	-	-	-	-	-
4. Kayin State	13745	7985	-	405	1090	38	2505	-	1722	-	-	-
5. Chin State	-	-	-	-	-	-	-	-	-	-	-	-
6. Sagaing Region	77383	21294	9332	3614	5854	5215	22596	80	8726	-	-	672
7. Tanintharyi Region	41338	40457	-	-	-	-	-	-	76	-	-	805
8. Bago Region	679629	402801	-	3386	7968	10270	241732	135	6862	-	2	6473
9. Magway Region	2043	1350	-	117	37	32	456		44	-	-	7
10. Mandalay Region	-	-	-	-	-	-	-	-	-	-	-	-
11. Mon State	74459	65565	-	39	1661		3378		3741	-	-	75
12. Rakhine State	179447	178854	-	10	286	-	-	-	142	-	-	153
13.Yangon Region	427819	325985	-	297	1098	4	94670	128	4419	-	9	1209
14. Shan State	1424	1017	-	-	-	-	356	-	51	-	-	-
15. Ayeyarwady Region	2429004	1508764	-	21793	8790	1654	729261	708	113126	-	2	44906

Source : Department of Agricultural Land Management and Statistics.

Table 2.12 Distribution of Quality Seeds

S.N (1)	Particulars (2)	Unit (3)	2007-08 (4)	2008-09 (5)	2009-10 (6)	2010-11 (7)	2011-12 (8)	2012-13 (9)	2013-14 (10)	2014-15 (11)	2015-16 (12)	2016-17 (p.a) (13)
1	Paddy	Thousand Basket	102	105	120	277	168	111	104	955	1065	914
2	Wheat	Basket	390	135	54	284	210	-	-	-	-	-
3	Maize	Basket	1687	1390	2710	3220	3910	2115	1192	2323	2890	1350
4	Sorghum	Basket	22	40	50	146	190	70	64	-	420	-
5	Pulses											
	1.Matpe (Black gram)	Basket	1283	385	1950	1196	2500	1416	1494	2183	1799	2586
	2.Pedisein (Green gram)	Basket	223	92	135	266	1020	522	617	1129	1735	1826
	3.Butter bean	Basket	-	35	22	20	150	56	90	163	138	150
	4.Gram (Chick pea)	Basket	370	215	320	603	950	513	1489	2021 (r)	1023	1292
	5.Pesingon (Pigeon pea)	Basket	627	400	598	675	2100	966	2526	4401	4910	6157
	6.Soy bean	Basket	-	-	-	-	-	100	16	24 (r)	70	90
	7.Pe-Ya-Za(Lentil)	Basket	-	-	-	-	-	60	180	-	-	-
6	Groundnut	Basket	249	45	335	120	150	482	643	1560	1965	1765
7	Sesamum	Basket	398	252	275	484	2150	443	825	893	1186	1644
8	Sunflower	Basket	610	165	305	394	2200	1300	1234	1353	1963	125
9	Nigar	Basket	220	200	220	334	500	185	215	415	430	275
10	Mustard	Basket	15	20	40	-	-	-	100	120 (r)	100	100
11	Cotton seeds	Thousand Viss	618	528	626	574	465	18	72	63	36	72
12	Jute seads	Basket	400	772	735	750	1000	22	17	15	67	40
13	Kenaf Seeds	Basket	-	-	-	-	-	208	406	121	542	519
14	Sugarcane	Ton	80044	97158	125171	135012	145692	3905	3366	3334	9831	6504
15	Rubber Sapling	Thousand Nos.	486	351	179	276	110	155	115	115	95	109
16	Rubber seeds	Thousand Nos.	-	-	-	-	-	963	898	606	125	110
17	Mulberry Sapling	Thousand Nos.	2347	1022	756	786	770	80	80	10	-	-
18	Coffee Sapling	Thousand Nos.	220	152	314	445	285	200	254	351	2670	1650
19	Tea Sapling	Thousand Nos.	-	-	-	-	-	-	-	-	-	-
20	Vegetable Seeds	Pound	1634	1500	4594	69	174	266	619	395	587	1323
21	Food Trees Sapling	Thousand Nos.	378	312	290	127	190	80	132	98	143	179
22	Palm Oil Sapling	Thousand Nos.	-	-	-	-	111	1229	397	2241	-	-

Source: Department of Agriculture.

Table 2.13 Pesticides Utilized for Plant Protection by Crop

Crop (1)	Unit (2)	2007-08 (3)	2008-09 (4)	2009-10 (5)	2010-11 (6)	2011-12 (7)	2012-13 (8)	2013-14 (9)	2014-15 (10)	2015-16 (11)	2016-17 (12)
Total	Pound	1584719	1601701	1619697	5380705	2619267	8239873	2337714	5947372	17616223	25106124
	Gallon	518001	621934	660113	1283183	1527083	1121715	1161840	1113634	3160986	5814480
1 .Paddy	Pound	1331813	1342174	1352514	1362281	1883762	5970961	1125917	3062964	4026112	4602258
	Gallon	366830	413781	438680	595716	732086	129514	133429	292979	450467	654582
2 .Wheat	Pound	11751	11839	11905	11993	11177	11344	4590	14325	977473	1553619
	Gallon	3607	3634	3660	3687	3438	86302	366	2214	159703	363818
3 .Maize	Pound	6482	6548	6614	6680	7562	14710	223486	47295	1010443	1586589
	Gallon	3607	3651	3685	25774	26484	86305	4838	18314	175803	379918
4 .Groundnut	Pound	61156	61774	62545	63427	73039	207554	118556	364540	741687	1317833
	Gallon	11424	11539	11682	33895	33254	86353	16520	114608	272097	476512
5 .Sesamum	Pound	48105	48414	48722	49163	53065	143504	17819	133646	1096794	1672940
	Gallon	7581	7627	7678	29796	35324	86324	18654	86218	243707	447822
6 .Sunflower	Pound	31063	31548	32033	33224	43563	113754	4218	99590	1062736	1638882
	Gallon	3199	3248	3296	25470	26636	86306	1869	15112	172601	376716
7 .Pulses	Pound	6217	6283	6371	1990620	444143	1390484	480133	1734633	2697781	3273927
	Gallon	98392	132640	167086	543400	577953	87861	300409	429804	587292	791407
8 .Cotton	Pound	1649	3298	5017	4260	815	-	17855	175890	1139038	1715184
	Gallon	1209	1007	862	1033	592	86412	9736	69726	227214	431327
9 .Jute	Pound	-	-	-	-	-	-	-	2833	699910	1276056
	Gallon	-	-	-	-	-	86288	-	1201	158690	362805
10 .Sugarcane	Pound	238	1087	2483	957	353	67834	170450	18647	981795	1557941
	Gallon	7	-	69	269	142	345	2461	5636	163124	367239
11 .Potato	Pound	6239	6437	6658	1109234	6305	20440	54680	40909	1004057	1580263
	Gallon	986	1014	1047	1089	994	86290	3500	1848	159336	363352
12 .Fruits and Vegetables	Pound	58687	60451	46077	47906	52228	132174	115650	204163	1167311	1743467
	Gallon	15146	37650	12160	12641	13783	127097	19054	52647	210136	414151
13 .Others	Pound	21319	21848	38758	700960	43255	167114	4359	47937	1011085	1587235
	Gallon	6013	6143	10208	10413	76397	86318	651004	23327	180816	384831

Source: Department of Agriculture

Table 2.14 Equipment for Plant Protection

(Number)

Commodity (1)	2007-08 (2)	2008-09 (3)	2009-10 (4)	2010-11 (5)	2011-12 (6)	2012-13 (7)	2013-14 (8)	2014-15 (9)	2015-16 (10)	2016-17 (11)
Total	11405	11186	10865	10865	10219	426	1053004	1437079	1437079	1437079
1.Duster (Manual)	1044	1023	997	965	909	-	115535	79839	79839	79839
2.Duster (Power)	21	19	16	11	6	-	44776	124	124	124
3.Sprayer (Manual)	8962	8831	8717	8474	8056	407	868543	1177529	1177529	1177529
4.Sprayer (Power)	543	515	493	478	425	7	24150	179587	179587	179587
5.Mist blower duster	401	387	362	353	302	12	-	-	-	-
6.Others	658	630	601	584	521	-	-	-	-	-

Note: Described Equipment of 2013-2014 are added Goveinment and Private sector.

Source: Department of Agriculture

Table 2.15 Distribution of Tractors to Mechanization Stations

(Number)

States and Regions	A.T.S		Wheel Tractor				
	No	Location	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Union		Union	1809	1782	2121	2311	2416
Mandalay Region	63	Amarapura	16	10	16	14	13
	82	Kyaukpadaung	14	9	11	8	10
	81	Kyaukse	12	10	16	16	17
	43	Madaya	16	11	9	14	23
	66	Mahlaing	12	8	16	16	13
	25	Meikhtila	20	12	9	16	16
	6	Myingyan	20	13	23	22	19
	64	Myittha	61	61	51	31	50
	44	Nahtogyi	17	10	6	7	12
	99	Nyaung Oo	16	11	13	9	8
	80	Patheingyi	20	12	9	14	18
	67	Pyawbwe	8	8	13	17	16
	74	Sintgaing	13	10	8	18	18
	23	Tada-Oo	12	7	7	11	12
	26	Thazi	13	11	11	10	13
	60	Wundwin	18	18	15	20	23
	28	Yamethin	12	8	13	18	18
		Total	300	229	246	261	294
Nay Pyi Taw	68	Tatkone	18	16	15	18	13
	84	Pyinmana	7	16	25	28	24
	47	Leiway Mechanized	24	27	26	34	23
		Farm Office	-	-	51	54	37
		Total	49	59	117	134	97
Magway Region	10	Aunglan	13	13	13	21	22
	29	Magway	13	12	22	27	17
	8	Minbu	15	15	15	14	13
	7	Pakokku	15	17	23	15	13
	46	Pwintphyu	17	19	29	30	26
	69	Sinbyukyan	12	12	12	16	14
	71	Taungdwingyi	18	18	33	31	38
		Gant gaw	5	4	4	13	12
		Myothit	-	-	-	-	-
		Total	108	110	151	167	142

Table 2.15 Distribution of Tractors to Mechanization Stations (Cont'd)

(Number)

States and Regions	A.T.S		Wheel Tractor				
	No	Location	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Sagaing Region	62	Budalin	14	10	11	13	12
	39	Chaung Oo	6	9	9	14	13
	2	Kalay	18	14	14	24	23
	40	Kanbalu	10	10	19	12	15
	1	Kathar	26	17	15	25	24
	4	Monywa	10	15	20	18	13
	59	Myaung	9	9	13	9	10
	42	Myinmu	9	7	11	7	10
	5	Sagaing	9	8	12	10	10
	22	Salingyi	13	13	5	8	5
	3	Shwebo	18	18	25	22	18
	61	Wetlet	10	12	22	21	23
	21	Ye-Oo	14	13	28	14	18
	41	Yinmabin	12	12	11	13	10
		Tamu	5	7	7	10	14
		Kawlin	7	6	6	11	13
		Total	190	180	228	231	231
Kachin State	90	Bamaw	18	15	10	15	14
	93	Hopin	13	13	19	17	17
	55	Moegaung	19	19	10	19	19
	79	Myitkyina	22	22	10	15	15
		Shweku	10	10	11	11	11
		Moenyin	8	8	4	6	8
		Putao	6	6	4	4	7
		Taning	13	13	5	10	10
		Waingmaw	7	7	5	10	10
		Total	116	113	78	107	111
Shan State	92	Kengtung	18	18	23	23	21
	85	Shwenyaung	55	58	60	52	59
	65	Aungban	20	20	20	25	20
	96	Kyaukme	21	23	25	30	34
	56	Lashio	23	28	37	36	34
		Tachileik	12	12	17	14	11
		Kunlone	6	5	5	7	8
		Minephyat	-	-	-	-	-
		Minesat	-	-	-	-	-
		Nantsan	11	15	15	13	10
		Total	166	179	202	200	197

Table 2.15 Distribution of Tractors to Mechanization Stations (Cont'd)

(Number)

States and Regions	A.T.S		Wheel Tractor				
	No	Location	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Kayah State	86	Loikaw	37	37	53	45	43
		Total	37	37	53	45	43
Kayin State	20	Hpa-an	17	20	27	32	36
		Kotkayeik	5	5	5	8	7
		Total	22	25	32	40	43
Mon State	54	Mawlamyine	12	12	21	25	29
	88	Thaton	13	18	24	29	22
	37	Beelin	16	14	24	23	21
	83	Kyaikhto	17	13	13	22	20
		Chaungsone	-	-	-	-	-
		Ye	-	-	-	-	-
		Total	58	57	82	99	92
Ayeyarwady Region	51	Pathein	15	18	28	28	21
	33	Danubyu	17	17	26	26	18
	15	Hinthada	21	21	21	29	24
	9	Kyaungone	12	13	13	18	14
	97	Laputta	5	5	7	12	17
	19	Maubin	14	14	13	18	20
	53	Mawlamyingunn	8	8	8	13	13
	13	Myanaung	14	18	24	24	21
	38	Myaungmya	12	12	12	17	14
	52	Nyaungdon	16	13	13	17	21
	57	Pantanaw	15	14	20	19	18
	75	kytelat	9	9	8	13	18
	78	Wakema	14	14	14	18	17
	17	Yegyi	10	15	23	23	24
	49	Zalun	11	13	12	17	17
		Eainme	10	11	21	19	11
		Ingapu	11	14	14	19	24
		Laymyaknar	12	14	14	18	22
		Total	226	243	291	348	334
Rakhine State	72	Sittwe	27	24	30	33	31
	89	Kyauktaw	28	27	45	49	48
		Kyaukphyu	5	5	5	7	7
		Total	60	56	80	89	87

Table 2.15 Distribution of Tractors to Mechanization Stations (Concl'd)

(Number)

States and Regions	A.T.S		Wheel Tractor				
	No	Location	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Bago Region	98	Oaktwin	15	25	32	39	30
	(Sub)	Paung Tle	-	-	-	-	21
	16	Oakpho	11	13	13	12	23
	27	Minhla	13	13	23	23	33
	34	Ohn-hne	16	14	14	13	25
	50	Waw	15	10	8	12	13
	12	Nyaunglaybin	16	13	23	17	16
	70	Kyauktaga	10	9	11	16	18
	58	Paukkhaung	20	18	18	18	37
	24	Daik Oo	25	23	38	30	25
	30	Pyay	23	23	23	23	58
	45	Nattalin	17	16	16	16	37
	14	Tharyarwady	13	19	26	36	35
	32	Gyobingauk	12	15	25	25	35
	76	Moenyo	12	12	12	12	25
	11	Taungoo	15	35	25	25	22
	73	Tanatbin	12	12	12	20	19
	31	Payagyi	14	14	14	18	17
	48	Yedashay	18	14	14	20	21
	87	Phyu	22	18	20	33	28
	94	Thegone	23	20	20	20	44
		Total	322	336	387	428	582
Yangon Region	35	Htauk kyant	21	21	24	23	20
	77	Taikkyi	17	19	27	26	25
	18	Thanlyin	33	34	39	26	29
	36	Kawhmu	7	7	5	10	16
		Htantabin	5	5	3	8	5
		Mobine Station	55	55	54	42	36
		Total	138	141	152	135	131
Tanintharyi Region	91	Dawei	10	10	15	15	14
	95	Myeik	7	7	7	12	13
		Boatpyin	-	-	-	-	-
		Total	17	17	22	27	27

Note: A.T.S = Agriculture Tractors Station

Source: Agricultural Mechanization Department.

Table 2.16 Agricultural Machinery and Implements (Production & Distribution by Department)

(Number)

Particulars (1)	2007-08 (2)	2008-09 (3)	2009-10 (4)	2010-11 (5)	2011-12 (6)	2012-13 (7)	2013-14 (8)	2014-15 (9)	2015-16 (10)	2016-17 (11)
I .Production										
1.Power Tiller	5475	3668	4285	4770	4135	4076	310	77	2000	516
2.Thresher	-	60	325	780	1120	290	10	90	100	100
3.Paddy Reaper	-	-	-	-	-	-	-	-	-	-
4.Dryer	-	-	-	-	-	-	-	-	-	-
II .Distribution										
1.Power Tiller	4610	4367	4144	3515	5089	4819	6111	5222	9074	8134
2.Thresher	-	-	357	733	757	614	341	134	75	91
3.Paddy Reaper	82	42	224	148	73	28	9	-	-	1
4.Dryer	-	-	-	-	12	14	19	13	2	6

Source : Agricultural Mechanization Department

Table 2.17 Utilization of Farm Machinery

Particulars (1)	2007-08 (2)	2008-09 (3)	2009-10 (4)	2010-11 (5)	2011-12 (6)	2012-13 (7)	2013-14 (8)	2014-15 (9)	2015-16 (10)	2016-17 (11)
Tractor (no.)										
AMD	2530	2478	1772	1466	1314	1257	1380	1680	1847	2461
Farmers	8556	8900	9457	10323	10490	11119	11839	14265	18524	25708
Power Tiller (no.)										
AMD	-	-	-	-	-	-	-	-	-	-
Farmers	110024	137217	145548	173132	206263	227489	257971	286097	300247	467872
Mechanized Tillage (000' acre-turn)										
AMD	299	347	173	275	291	287	327	484	743	1209
Farmers	4579	6824	8897	10540	14503	14163	18956	17367	20030	25450
Combineharvester(no)										
AMD	-	-	-	-	11	11	36	89	131	546
Farmers	-	-	-	20	209	307	668	1680	1972	4759
Power Thresher(no)										
AMD	-	-	-	-	-	-	-	-	-	-
Farmers	18692	20671	24560	25980	41289	48520	55104	61793	61997	80667
Hydro-Tiller										
AMD	-	-	-	-	-	-	-	-	-	-
Farmers	664	865	1981	2250	4522	5008	5401	6065	7467	13319
Power Reaper(no)										
AMD	-	-	-	-	-	-	-	-	-	-
Farmers	153	287	1208	1501	1569	1939	2116	2513	2551	2253

Source : Agricultural Mechanization Department(AMD).

Table 2.18 Agricultural Loans by Crop

(Kyat Million)

Crop (1)	2007-2008 (2)	2008-2009 (3)	2009-2010 (4)	2010-2011 (5)	2011-2012 (6)
GRAND TOTAL	59627.84	68970.07	93489.28	190679.89	352721.75
I. CEREALS	50423.71	58318.72	76769.69	157536.51	312697.86
1. Paddy	50092.96	57917.72	76124.72	156494.46	311530.22
2. Maize	330.75	401.00	644.97	1042.05	1167.64
II. OILSEEDS	5630.44	6307.96	9731.06	17508.79	19452.83
3. Groundnut	2205.36	2599.60	3881.83	7101.94	7623.55
4. Sesamum	3360.32	3581.21	5665.10	10059.67	11400.85
5. Mustard	64.76	127.15	184.13	347.18	428.42
III. FIBRES	320.59	388.28	534.55	1405.39	1599.74
6. Cotton	320.59	388.28	534.55	1405.39	1599.74
IV. OTHERS	3253.10	3955.11	6453.99	14229.20	18971.32
7. Pulses	3253.10	3955.11	6453.99	14229.20	18971.32
8. Sugarcane	-	-	-	-	-

Table 2.18 Agricultural Loans by Crop (Concl'd)

(Kyat Million)

Crop (1)	2012-2013 (7)	2013-2014 (8)	2014-2015 (9)	2015-2016 (10)	2016-2017 (11)
GRAND TOTAL	557846.54	1158728.58	1167485.44	1091404.88	1630623.88
I. CEREALS	508499.59	1039152.54	1051028.00	994051.10	1536397.92
1. Paddy	507130.31	1035840.60	1047681.70	993009.80	1535351.10
2. Maize	1369.28	3311.94	3346.30	1041.30	1046.82
II. OILSEEDS	21451.75	43219.68	42345.26	36777.40	36737.64
3. Groundnut	9039.59	17145.10	15867.66	12953.66	12271.54
4. Sesamum	11906.29	24962.32	25205.40	22639.90	23320.86
5. Mustard	505.87	1112.26	1272.20	1183.84	1145.24
III. FIBRES	1486.33	2348.44	1780.90	1440.44	1397.18
6. Cotton	1486.33	2348.44	1780.90	1440.44	1397.18
IV. OTHERS	26408.87	74007.92	72331.28	59135.94	56091.14
7. Pulses	26408.87	59674.32	57250.28	51853.14	49182.74
8. Sugarcane	-	14333.60	15081.00	7282.80	6908.40

Note : Maize is inclusive of Sorghum.

Source : Myanma Agricultural Development Bank.

Table 2.19 Agricultural Loans by States and Regions

(Kyat Million)

States and Regions	Year	Seasonality Loans			
		Rain	Winter	Pre - Rain	Total
(1)	(2)	(3)	(4)	(5)	(6)
Union Total	2012-2013	423489.84	127259.96	4134.08	554883.88
	2013-2014	933979.28	204918.98	19830.32	1158728.58
	2014-2015	957062.52	177993.22	32429.70	1167485.44
	2015-2016	916448.00	156963.48	17993.40	1091404.88
	2016-2017	1401599.58	212661.70	16362.60	1630623.88
Nay Pyi Taw	2012-2013	-	256.01	-	256.01
	2013-2014	13492.50	734.46	1076.70	15303.66
	2014-2015	13692.62	186.98	544.70	14424.30
	2015-2016	14022.28	70.60	134.40	14227.28
	2016-2017	20297.37	67.46	116.60	20481.43
Kachin State	2012-2013	7253.83	791.16	-	8044.99
	2013-2014	15689.30	1612.06	-	17301.36
	2014-2015	17582.60	1821.02	-	19403.62
	2015-2016	19689.90	1847.56	-	21537.46
	2016-2017	30486.00	1845.30	-	32331.30
Kayah State	2012-2013	834.42	-	136.80	971.22
	2013-2014	1484.26	-	167.70	1651.96
	2014-2015	1688.80	-	196.80	1885.60
	2015-2016	1857.42	-	188.80	2046.22
	2016-2017	2738.54	-	299.85	3038.39
Kayin State	2012-2013	539.53	-	-	539.53
	2013-2014	1106.02	-	-	1106.02
	2014-2015	1208.08	-	-	1208.08
	2015-2016	647.44	-	-	647.44
	2016-2017	1071.14	-	-	1071.14
Chin State	2012-2013	2040.15	280.36	-	2320.51
	2013-2014	3937.90	459.20	164.00	4561.10
	2014-2015	5676.70	391.38	207.00	6275.08
	2015-2016	5526.62	423.74	130.30	6080.66
	2016-2017	9079.65	594.83	170.30	9844.78
Sagaing Region	2012-2013	47773.12	12544.51	-	60317.63
	2013-2014	122228.04	32173.30	5721.00	160122.34
	2014-2015	130125.88	22226.70	9034.40	161386.98
	2015-2016	129577.34	17408.86	6051.70	153037.90
	2016-2017	196789.64	21226.66	4872.20	222888.50
Tanintharyi Region	2012-2013	4829.90	257.76	-	5087.66
	2013-2014	11117.00	329.10	-	11446.10
	2014-2015	11955.80	285.20	-	12241.00
	2015-2016	11744.90	166.20	-	11911.10
	2016-2017	17918.85	163.35	-	18082.20

Table 2.19 Agricultural Loans by States and Regions (Concl'd)

(Kyat Million)

States and Regions	Year	Seasonality Loans			
		Rain	Winter	Pre - Rain	Total
(1)	(2)	(3)	(4)	(5)	(6)
Bago Region	2012-2013	99883.11	23578.09	1172.96	124634.16
	2013-2014	219293.18	35587.58	4641.60	259522.36
	2014-2015	219086.16	17812.90	13812.70	250711.76
	2015-2016	213510.42	15898.72	5672.10	235081.24
	2016-2017	333437.23	14563.73	2263.6	350264.56
Magway Region	2012-2013	24454.14	2718.07	-	27172.21
	2013-2014	44267.88	4772.26	863.60	49903.74
	2014-2015	47260.98	4288.36	1309.50	52858.84
	2015-2016	50858.02	3988.54	1222.70	56069.26
	2016-2017	70807.50	5107.22	1284.70	77199.42
Mandalay Region	2012-2013	37314.83	7926.13	1630.72	46871.68
	2013-2014	67898.14	11768.92	2937.02	82604.08
	2014-2015	70081.72	7694.02	2687.50	80463.24
	2015-2016	66264.84	5834.36	1693.10	73792.30
	2016-2017	93880.11	7826.97	3006.05	104713.13
Mon State	2012-2013	15261.10	1301.38	-	16562.48
	2013-2014	29616.80	2359.16	4.20	31980.16
	2014-2015	29988.30	2418.82	5.70	32412.82
	2015-2016	29421.30	2295.34	4.50	31721.14
	2016-2017	45211.05	3317.26	6.60	48534.91
Rakhine State	2012-2013	18732.80	1111.02	-	19843.82
	2013-2014	45679.90	2308.40	44.60	48032.90
	2014-2015	48862.90	1847.44	48.00	50758.34
	2015-2016	48508.70	1281.30	-	49790.00
	2016-2017	80521.05	1456.66	27.80	82005.51
Yangon Region	2012-2013	52376.92	13893.53	-	66270.45
	2013-2014	97199.10	21033.06	295.30	118527.46
	2014-2015	95605.70	20330.00	329.50	116265.20
	2015-2016	81533.10	17398.42	320.60	99252.12
	2016-2017	123039.45	24718.51	348.10	148106.06
Shan State	2012-2013	8752.29	310.86	1193.60	10256.75
	2013-2014	17405.96	638.88	3914.60	21959.44
	2014-2015	18768.58	579.32	4253.90	23601.80
	2015-2016	10824.22	153.84	2575.20	13553.26
	2016-2017	18337.55	177.73	3966.80	22482.08
Ayeyarwady Region	2012-2013	103443.70	62291.08	-	165734.78
	2013-2014	243563.30	91142.60	-	334705.90
	2014-2015	245477.70	98111.08	-	343588.78
	2015-2016	232461.50	90196.00	-	322657.50
	2016-2017	357984.45	131596.02	-	489580.47

Source: Myanma Agricultural Development Bank.

Table 2.20 Short Term and Long Term Loans to Cultivators

Particulars (1)	Unit (2)	2007-08 (3)	2008-09 (4)	2009-10 (5)	2010-11 (6)	2011-12 (7)	2012-13 (8)	2013-14 (9)	2014-15 (10)	2015-16 (11)	2016-17 (12)
1. PUMP SETS											
Townships	No	14	5	12	32	12	-	2	-	-	-
Borrowers	No	113	53	73	142	34	-	12	-	-	-
Units	No	113	53	73	142	34	-	12	-	-	-
Loans	Kyat (Million)	52 .11	18 .46	37 .97	68 .56	19 .24	-	5 .71	-	-	-
2. POWER TILLERS											
Townships	No	201	138	111	150	149	15	9	1	-	-
Borrowers	No	5111	664	748	2847	2444	57	86	1	-	-
Units	No	5116	664	748	2847	2444	57	86	1	-	-
Loans	Kyat (Million)	7008 .01	1085 .51	1179 .03	4770 .45	4195 .73	76 .13	152 .42	1 .50	-	-
3. SOLAR-SALT PRODUCTION											
Townships	No	3	1	1	1	1	1	1	-	-	-
Borrowers	No	233	72	86	107	87	87	86	-	-	-
Loans	Kyat (Million)	159 .73	35 .00	50 .00	60 .00	50 .00	50 .00	50 .00	-	-	-
4. COFFEE											
Townships	No	4	-	-	1	-	1	-	-	-	-
Borrowers	No	1095	-	-	1	-	1	-	-	-	-
Acres	No	3891	-	-	-	-	-	-	-	-	-
Loans	Kyat (Million)	135 .52	-	-	50	-	20	-	-	-	-
5. GREEN TEA											
Townships	No	4	-	-	-	-	-	-	-	-	-
Borrowers	No	245	-	-	-	-	-	-	-	-	-
Acre	No	1634	-	-	-	-	-	-	-	-	-
Loans	Kyat (Million)	13 .51	-	-	-	-	-	-	-	-	-
6. THRASHERS											
Townships	No	6	5	7	9	10	1	-	-	-	-
Borrowers	No	12	9	21	26	33	1	-	-	-	-
Unit	No	12	9	21	26	33	1	-	-	-	-
Loans	Kyat (Million)	23 .50	45 .00	57 .42	51 .72	48 .35	1 .20	-	-	-	-

Table 2.20 Short Term and Long Term Loans to Cultivators (Concl'd)

Particulars (1)	Unit (2)	2007-08 (3)	2008-09 (4)	2009-10 (5)	2010-11 (6)	2011-12 (7)	2012-13 (8)	2013-14 (9)	2014-15 (10)	2015-16 (11)	2016-17 (12)
7. SPECIAL PROJECT											
Townships	No	1	1	1	1	1	1	1	1	1	1
Borrowers	No	1	1	1	1	1	1	1	1	1	1
Loans	Kyat (Million)	700 .00	1000 .00	1000 .00	1000 .00	1200 .00	3000 .00	3000 .00	3000 00	3000 .00	3000 .00
8. SUGAR CANE											
Townships	No	4	3	3	3	2	29	-	60	49	40
Borrowers	No	5221	2704	2630	1878	1304	26035	-	70174	38495	29903
Acre	No	36729	21510	22200	15144	10285	92230	-	150810	72828	69084
Loans	Kyat (Million)	220 .37	129 .06	133 .20	151 .44	102 .85	9223 .00	-	15081 00	7282 .80	6908 .40
9. OIL PALM											
Townships	No	-	-	-	-	-	-	-	-	-	-
Borrowers	No	1	1	-	-	-	-	-	-	-	-
Acres	No	-	-	-	-	-	-	-	-	-	-
Loans	Kyat (Million)	100 .00	200 .00	-	-	-	-	-	-	-	-
10. GREEN TEA PROCESSING											
Townships	No	4	4	5	5	5	5	6	5	6	6
Borrowers	No	1615	2667	2428	3573	4246	4347	4159	3197	3118	3117
Acres	No	15978	25527	31900	35310	40000	41320	39165	31240	30753	30676
Loans	Kyat (Million)	159 .78	255 .27	319 .00	706 .20	800 .00	826 .40	783 .30	624 80	615 .06	613 .52
11. ENGINE											
Townships	No	60	55	42	75	52	6	1	-	-	-
Borrowers	No	1695	387	351	787	689	59	1	-	-	-
Items	No	1695	387	351	787	689	59	1	-	-	-
Loans	Kyat (Million)	482 .67	111 .17	100 .89	239 .96	188 .93	9 .99	0 .45	-	-	-

Source : Myanma Agricultural Development Bank.

Table 2.21 Livestock Breeding

(Thousand Number)

S.N	Livestock Breeding	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	Cattle	12664	12964	13185	13609	14088	14559	15046	15543	16574	16571
2	Buffalo	2845	2927	2875	2977	3097	3211	3321	3426	3641	3641
3	Sheep & Goat	2922	3222	3609	4084	4706	5370	6124	6945	8770	8786
4	Pig	7092	7817	8496	9416	10497	11600	12725	13932	16541	16524
5	Fowl	110614	124993	138938	156407	176839	196641	219377	244030	296413	296267
6	Duck	11234	12368	12835	14051	15507	16941	18442	20128	23662	23636
7	Turkey,Geese, Muscovy Duck and Barrock	1405	1542	1567	1751	1966	2182	2441	2735	3466	3455

Sources: (1) Livestock Breeding and Veterinary Department.
(2) Prison Department.
(3) Office of the Ministry of Defence.
(4) Department of Agriculture.
(5) Co-operative Department.

Table 2.22 Artificial Insemination of Cow by States and Regions

(Number)

S.N	States and Regions	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
	Total	**5879**	**6381**	**6703**	**5984**	**4951**	**5551**	**30821**	**32728**	**28910**	**40867**
1	Nay Pyi Taw	-	-	-	-	-	209	1957	2222	1404	1351
2	Kachin State	-	-	-	-	-	-	99	112	60	355
3	Kayah State	-	-	-	-	-	-	150	166	74	198
4	Kayin State	-	-	-	-	-	-	156	253	287	277
5	Chin State	-	-	-	-	-	-	121	109	112	15
6	Sagaing Region	338	374	403	240	125	117	2015	1930	1174	2005
7	Tanintharyi Region	-	-	-	-	-	-	255	184	187	293
8	Bago Region	345	370	491	511	629	535	2253	4882	4821	5490
9	Magway Region	-	-	-	-	-	-	1856	1484	448	986
10	Mandalay Region	2201	2240	2867	2458	2043	2044	9705	6395	2681	5442
11	Mon State	288	341	345	495	461	438	1026	1347	2030	2344
12	Rakhine State	-	-	-	-	-	-	89	176	151	93
13	Yangon Region	2707	3056	2597	2280	1693	2208	9711	12084	14735	19975
14	Shan State	-	-	-	-	-	-	659	511	295	546
15	Ayeyarwady Region	-	-	-	-	-	-	769	873	451	1497

Source: Livestock Breeding and Veterinary Department.

Table 2.23 Animal Population Raised in State Farms

(Number)

S.N (1)	Animal (2)	2007-08 (3)	2008-09 (4)	2009-10 (5)	2010-11 (6)	2011-12 (7)	2012-13 (8)	2013-14 (9)	2014-15 (10)	2015-16 (11)	2016-17 (12)
1	Milk Cow	215	138	219	219	237	231	-	-	-	-
2	Pig	29360	32536	30922	36006	37153	28881	9264	1088	-	-
3	Fowl	219291	243508	213856	143265	101604	15097	-	-	-	-
4	Duck	39344	36989	33369	33620	35310	38976	14547	52227	29990	9342

Source: Livestock Breeding and Veterinary Department.

Table 2.24 Numbers of Bee Colonies

(Number)

S.N (1)	Bee Colonies (2)	2007-08 (3)	2008-09 (4)	2009-10 (5)	2010-11 (6)	2011-12 (7)	2012-13 (8)	2013-14 (9)	2014-15 (10)	2015-16 (11)	2016-17 (12)
	Total	27000	36000	49085	56500	65840	73398	79356	120226	138176	154430
1	State	6000	6000	8050	8150	8250	8350	6000	6000	6200	6200
2	Private	21000	30000	41035	48350	57590	65048	73356	114226	131976	148230

Source: Livestock Breeding and Veterinary Department.

Table 2.25 Bee Pollination Services by Honey bees

(Acres)

S.N (1)	Bee Pollination (2)	2007-08 (3)	2008-09 (4)	2009-10 (5)	2010-11 (6)	2011-12 (7)	2012-13 (8)	2013-14 (9)	2014-15 (10)	2015-16 (11)	2016-17 (12)
	Total	340140	342150	446280	588840	675280	737380	801300	1094808	1325646	1418367
1	State	100140	71600	85480	96600	98500	99000	97850	97390	79945	74400
2	Private	240000	270550	360800	492240	576780	638380	703450	997418	1245701	1343967

Source: Livestock Breeding and Veterinary Department.

Table 2.26 Animal Feed Requirements

(Thousand Metric Ton)

S.N (1)	Particulars (2)	2007-08 (3)	2008-09 (4)	2009-10 (5)	2010-11 (6)	2011-12 (7)	2012-13 (8)	2013-14 (9)	2014-15 (10)	2015-16 (11)	2016-17 (12)
1	Straw	17037	17454	17545	18117	18738	19406	19321	20812	21385	22064
2	Paddy	61	63	63	65	68	72	61	79	82	86
3	Broken rice	5266	5722	7516	8462	9717	11123	10458	13305	14183	15451
4	Bran	1237	1323	1364	1436	1544	1645	1333	1739	1595	1667
5	Cow bran	2187	2411	2542	2822	3137	3478	3587	4273	4569	4955
6	Prawn dust	617	700	931	998	1103	1194	908	1384	1013	1066
7	Maize	213	240	249	279	326	371	298	486	345	381
8	Oil cake	1166	1256	1773	1878	2019	2159	1987	2471	2289	2407
9	Chick pea and Pigeon pea bran	84	93	104	118	135	156	191	223	237	256
10	Salt	298	318	313	333	340	363	365	416	428	452

Source: Livestock Breeding and Veterinary Department.

Table 2.27 Animal Health Services

(Thousand Number)

S.N (1)	Particular (2)	2007-08 (3)	2008-09 (4)	2009-10 (5)	2010-11 (6)	2011-12 (7)	2012-13 (8)	2013-14 (9)	2014-15 (10)	2015-16 (11)	2016-17 (12)
						Dosages of Vaccination					
	Cattle	6433	6440	6514	6527	7892	8808	7571	7100	7366	7522
1	Foot and Mouth Disease	15	29	64	34	62	70	281	194	154	114
2	Haemorrhagis Disease	2728	2743	2761	2932	3531	3885	3287	3096	3204	3316
3	Anthrax Disease	2301	2260	2274	2136	2579	2909	2253	2122	2213	2266
4	Septicaemia Disease	1389	1408	1415	1425	1720	1944	1750	1688	1795	1826
	Pig	688	705	752	753	807	832	848	815	855	733
1	Swine Fever Disease	688	705	752	753	807	832	848	753	850	732
2	Swine Pasteurellosis Disease	-	-	-	-	-	-	-	62	5	1
	Fowl	108994	109245	41310	121782	125729	34651	25832	31645	25614	17539
1	Avian Pasteurellosis Disease	8373	8529	4818	9057	9185	4332	3667	3784	3421	2786
2	New Castle Disease ($CF+K+I_2$)	96987	97480	33361	108031	107908	25883	18255	24429	20250	14425
3	Pox	785	875	819	1179	1092	1166	930	993	594	295
4	Gumboro (Injectious Barsal Disease)	1939	2361	2312	3515	7544	3270	2980	2459	1349	197
5	Infectious Bronchities	910	-	-	-	-	-	-	-	-	-
						Dosages of Treatment					
1	Cattle	563	597	611	699	701	756	793	873	917	866
2	Pig	715	754	764	830	860	930	929	1024	1069	1067
3	Fowl	1614	1934	2119	2458	2239	2438	2099	2651	2336	2449
	Total	2892	3285	3494	3987	3800	4124	3821	4548	4322	4382

Source : Livestock Breeding and Veterinary Department

Table 2.28 Saw Mills by States and Regions

(Number)

S.N (1)	States and Regions (2)	Mills (3)	2007-2008 (4)	2008-2009 (5)	2009-2010 (6)	2010-2011 (7)	2011-2012 (8)
	Union	Saw Mills	361	296	364	388	389
		Recutting Mills	1393	1331	1374	1328	1045
		Domestic Industrial Mills	1658	1694	1751	1782	1727
1	Nay Pyi Taw	Saw Mills	-	-	-	-	-
		Recutting Mills	-	-	-	-	-
		Domestic Industrial Mills	-	-	-	-	-
2	Kachin State	Saw Mills	4	3	3	2	4
		Recutting Mills	130	128	131	130	132
		Domestic Industrial Mills	27	28	30	30	28
3	Kayah State	Saw Mills	2	1	2	3	3
		Recutting Mills	25	26	26	26	29
		Domestic Industrial Mills	7	8	24	31	32
4	Kayin State	Saw Mills	4	4	4	1	1
		Recutting Mills	38	41	41	41	39
		Domestic Industrial Mills	44	59	59	58	66
5	Chin State	Saw Mills	-	-	-	-	-
		Recutting Mills	-	-	-	-	-
		Domestic Industrial Mills	-	-	-	-	-
6	Sagaing Region	Saw Mills	36	33	33	63	64
		Recutting Mills	142	127	139	78	65
		Domestic Industrial Mills	160	124	124	115	95
7	Tanintharyi Region	Saw Mills	7	6	9	8	10
		Recutting Mills	63	59	62	62	62
		Domestic Industrial Mills	102	79	77	64	26
8	Bago Region	Saw Mills	60	48	60	62	52
		Recutting Mills	84	85	83	102	103
		Domestic Industrial Mills	133	180	153	205	201
9	Magway Region	Saw Mills	23	20	24	24	24
		Recutting Mills	67	65	68	68	74
		Domestic Industrial Mills	64	61	61	64	73
10	Mandalay Region	Saw Mills	64	28	62	61	66
		Recutting Mills	290	273	278	279	277
		Domestic Industrial Mills	199	212	177	175	177
11	Mon State	Saw Mills	4	4	3	3	3
		Recutting Mills	67	71	68	67	69
		Domestic Industrial Mills	158	224	222	231	236
12	Rakhine State	Saw Mills	6	6	6	7	7
		Recutting Mills	67	60	61	62	61
		Domestic Industrial Mills	70	52	53	53	57
13	Yangon Region	Saw Mills	106	109	114	112	113
		Recutting Mills	331	326	322	318	39
		Domestic Industrial Mills	442	419	412	401	391
14	Shan State	Saw Mills	20	15	19	20	20
		Recutting Mills	75	55	60	61	60
		Domestic Industrial Mills	153	132	135	138	129
15	Ayeyarwady Region	Saw Mills	25	19	25	22	22
		Recutting Mills	14	15	35	34	35
		Domestic Industrial Mills	99	116	224	217	216

Table 2.28 Saw Mills by States and Regions (Concl'd)

(Number)

S.N	States and Regions	Mills	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017(p.a)
(1)	(2)	(3)	(9)	(10)	(11)	(12)	(13)
	Union	Saw Mills	423	364	364	487	377
		Recutting Mills	1300	1340	1340	1363	1332
		Domestic Industrial Mills	1717	1720	348	365	433
1	Nay Pyi Taw	Saw Mills	-	16	5	17	14
		Recutting Mills	-	22	-	29	25
		Domestic Industrial Mills	-	14	-	6	7
2	Kachin State	Saw Mills	4	1	1	2	3
		Recutting Mills	129	128	128	123	123
		Domestic Industrial Mills	27	29	-	-	-
3	Kayah State	Saw Mills	3	3	3	4	7
		Recutting Mills	29	29	29	29	27
		Domestic Industrial Mills	32	17	7	7	8
4	Kayin State	Saw Mills	2	1	1	1	1
		Recutting Mills	41	44	44	44	44
		Domestic Industrial Mills	58	60	35	35	35
5	Chin State	Saw Mills	-	-	-	-	-
		Recutting Mills	-	-	-	3	2
		Domestic Industrial Mills	-	-	-	-	-
6	Sagaing Region	Saw Mills	79	68	68	85	88
		Recutting Mills	73	123	123	119	104
		Domestic Industrial Mills	94	148	-	-	35
7	Tanintharyi Region	Saw Mills	8	9	9	11	9
		Recutting Mills	60	62	62	68	69
		Domestic Industrial Mills	60	73	26	26	26
8	Bago Region	Saw Mills	63	55	55	51	45
		Recutting Mills	100	101	101	109	108
		Domestic Industrial Mills	201	205	72	81	91
9	Magway Region	Saw Mills	24	22	22	22	17
		Recutting Mills	74	75	75	78	65
		Domestic Industrial Mills	76	76	19	28	28
10	Mandalay Region	Saw Mills	67	37	48	93	119
		Recutting Mills	274	249	271	231	215
		Domestic Industrial Mills	179	168	41	26	28
11	Mon State	Saw Mills	2	2	2	3	6
		Recutting Mills	68	67	67	70	69
		Domestic Industrial Mills	232	227	18	21	22
12	Rakhine State	Saw Mills	6	6	6	10	4
		Recutting Mills	60	56	56	61	60
		Domestic Industrial Mills	53	51	4	-	6
13	Yangon Region	Saw Mills	122	112	112	153	28
		Recutting Mills	299	289	289	300	300
		Domestic Industrial Mills	385	379	191	109	119
14	Shan State	Saw Mills	20	17	17	23	27
		Recutting Mills	56	61	61	61	58
		Domestic Industrial Mills	120	89	4	5	5
15	Ayeyarwady Region	Saw Mills	23	15	15	12	9
		Recutting Mills	37	34	34	38	45
		Domestic Industrial Mills	200	184	21	21	21

Note: Domestic industrial mills refer to those producing Furniture and other semi-finished products

Sources: 1.Myanma Timber Enterprise
2.Forest Department.

Table 2.29 Number of Working Elephants used in Timber Extraction by States and Regions

(Number)

S.N	States and Regions	Owner-ship	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	Union	Total	2761	2749	2794	2866	2651	2650	2157	2280	1315	1611
		State	1814	1802	1820	1645	1857	1839	1828	2280	1315	1611
		Private	947	947	974	1221	794	811	329	-	-	-
1	Nay Pyi Taw	Total	-	-	-	-	-	-	-	122	43	66
		State	-	-	-	-	-	-	-	122	43	66
		Private	-	-	-	-	-	-	-	-	-	-
2	Kachin State	Total	121	118	113	112	84	82	91	66	84	49
		State	49	46	43	42	44	42	51	66	84	49
		Private	72	72	70	70	40	40	40	-	-	-
3	Kayah State	Total	16	16	16	16	10	15	15	-	-	-
		State	-	-	-	-	-	-	-	-	-	-
		Private	16	16	16	16	10	15	15	-	-	-
4	Kayin State	Total	109	109	110	110	73	70	70	-	-	-
		State	-	-	-	-	-	-	-	-	-	-
		Private	109	109	110	110	73	70	70	-	-	-
5	Chin State	Total	59	56	53	52	52	51	51	83	44	37
		State	59	56	53	52	52	51	51	83	44	37
		Private	-	-	-	-	-	-	-	-	-	-
6	Sagaing Region	Total	753	755	767	542	775	770	611	815	455	615
		State	569	571	582	357	580	570	583	815	455	615
		Private	184	184	185	185	195	200	28	-	-	-
7	Tanintharyi Region	Total	-	-	10	10	10	15	15	-	-	-
		State	-	-	-	-	-	-	-	-	-	-
		Private	-	-	10	10	10	15	15	-	-	-
8	Bago Region	Total	682	675	608	628	630	610	372	415	241	234
		State	390	383	328	348	350	340	342	415	241	234
		Private	292	292	280	280	280	270	30	-	-	-
9	Magway Region	Total	375	379	364	366	373	371	364	364	198	241
		State	362	366	354	356	353	350	343	364	198	241
		Private	13	13	10	10	20	21	21	-	-	-
10	Mandalay Region	Total	208	211	222	219	207	210	178	75	46	88
		State	151	154	162	159	157	160	163	75	46	88
		Private	57	57	60	60	50	50	15	-	-	-
11	Mon State	Total	-	-	-	-	-	-	-	-	-	-
		State	-	-	-	-	-	-	-	-	-	-
		Private	-	-	-	-	-	-	-	-	-	-
12	Rakhine State	Total	36	40	51	61	50	50	50	58	53	70
		State	36	40	51	61	50	50	50	58	53	70
		Private	-	-	-	-	-	-	-	-	-	-
13	Yangon Region	Total	-	-	-	-	-	-	-	-	-	-
		State	-	-	-	-	-	-	-	-	-	-
		Private	-	-	-	-	-	-	-	-	-	-
14	Shan State	Total	236	239	249	360	186	202	140	106	62	111
		State	68	71	84	111	112	117	90	106	62	111
		Private	168	168	165	249	74	85	50	-	-	-
15	Ayeyarwady Region	Total	166	151	231	390	201	204	200	176	89	100
		State	130	115	163	159	159	159	155	176	89	100
		Private	36	36	68	231	42	45	45	-	-	-

Source: Myanma Timber Enterprise.

Table 2.30 Forest Operations

S.N (1)	Categories (2)	Unit (3)	2007-2008 (4)	2008-2009 (5)	2009-2010 (6)	2010-2011 (7)	2011-2012 (8)
1	Girdling & GT Marking	Tree	184473	172538	133440	132076	109128
2	SF Marking	Tree	667696	794740	685884	827025	867923
3	Artificial Regeneration	Acre	59060	60011	55200	37065	29000
4	Natural Regeneration	Acre	55630	52025	44985	47445	45619
5	Improvement Felling	Acre	20513	16436	19725	28229	16684
6	Weeding	Acre	345849	316959	306745	256780	197482
7	Thinning	Acre	16347	18001	15087	10729	9753
8	Climber Cutting	Acre	316545	326205	248595	260560	245328
9	Repair of Forest Road	ML	1405	1395	1405	1261	1400
10	Repair of Reserve Boundary	ML	1300	1309	1287	1188	1265
11	Repair of Compt Boundary	ML	1357	1334	1265	1180	1215
12	Fire Protection	Acre	339720	329382	311446	250312	230595
13	Reservation	Sq.ml	971	73	90	630 (r)	1254 (r)

Table 2.30 Forest Operations (Concl'd)

S.N (1)	Categories (2)	Unit (3)	2012-2013 (9)	2013-2014 (10)	2014-2015 (11)	2015-2016 (12)	2016-2017(p) (13)
1	Girdling & GT Marking	Tree	104233	147935	40221	38295	8177
2	SF Marking	Tree	548053	310245	281781	275773	104682
3	Artificial Regeneration	Acre	15400	15000	8000	4900	7600
4	Natural Regeneration	Acre	41170	21315	40534	38155	37114
5	Improvement Felling	Acre	14526	10813	7832	6705	6227
6	Weeding	Acre	136890	102191	44368	41939	36364
7	Thinning	Acre	9611	12702	9979	11570	12964
8	Climber Cutting	Acre	262440	171755	143890	209984	420104
9	Repair of Forest Road	ML	1369	1398	1400	1321	1390
10	Repair of Reserve Boundary	ML	1287	1350	1512	1580	1552
11	Repair of Compt Boundary	ML	1232	1205	1396	1545	1570
12	Fire Protection	Acre	189045	145667	80363	59916	42344
13	Reservation	Sq.ml	395 (r)	1633	193 (r)	18	279

Note: GT = Green Teak
SF = Selected Felling

Source: Forest Department.

Table 2.31 Watershed Plantation for Dam/Reservoir Area of Dry Zone

(Acre)

S.N (1)	Dam/Reservoir (2)	Location(States/Regions) (3)	2007-2008 (4)	2008-2009 (5)	2009-2010 (6)	2010-2011 (7)	2011-2012 (8)
	Grand Total		5400	5500	6475	6562	3600
1	Ngwethar	Sagaing Region	100	100	-	125	150
2	Phaungkatar	"	150	150	200	125	200
3	Haihlar	"	150	50	150	150	-
4	Ingyinpin	"	-	100	-	-	-
5	Ayardaw	"	-	-	50	-	-
6	Thein Yin	"	-	-	-	-	300
7	Thar Zi	"	-	-	-	-	50
8	New Khwe	"	-	-	-	-	-
9	Thet Kel Aie	"	-	-	-	-	-
10	Ayeyarwaddy	"	-	-	-	-	-
11	Let pan	"	-	-	-	-	-
	Total		400	400	400	400	700
12	Myothar	Mandalay Region	-	-	-	-	-
13	Natthartaw	"	50	-	-	-	-
14	Phaung kadaw	"	150	-	175	175	50
15	Kyet mauktaung	"	-	-	-	-	-
16	Taungyay	"	-	-	-	-	-
17	Pinnchaung	"	-	-	-	-	-
18	Thinphone	"	-	-	-	-	25
19	Monetine	"	-	-	-	-	-
20	Samone	"	-	-	-	-	50
21	Chaung magyi	"	-	200	-	-	-
22	Myohla(Tat Kon)	"	650	500	-	500	-
23	Sinthay	"	-	-	1000	1080	300
24	Kinthar	"	-	-	-	-	-
25	Myohla(Yemi Thin)	"	-	150	400	-	-
26	Nga thayauk	"	-	-	-	-	50
27	Myakan	"	-	-	-	-	-
28	Shan-Ma-Ngae	"	-	-	-	-	25
29	Pyin Pin	"	-	-	-	-	-
30	Tha Byae Yoe	"	-	-	-	-	-
31	Pindale	"	-	-	-	-	-
32	Tagon Dine	"	-	-	-	-	-
33	Thida Kan	"	-	-	-	-	-
	Total		850	850	1575	1755	500

Table 2.31 Watershed Plantation for Dam/Reservoir Area of Dry Zone (Cont'd)

(Acre)

S.N (1)	Dam/Reservoir (2)	Location(States/Regions) (3)	2012-2013 (9)	2013-2014 (10)	2014-2015 (11)	2015-2016 (12)	2016-2017 (13)
	Grand Total		1600	1200	650	850	850
1	Ngwethar	Sagaing Region	-	-	-	-	-
2	Phaungkatar	"	30	-	-	-	-
3	Aigyar	"	-	-	-	-	-
4	Ingyinpin	"	-	-	-	-	-
5	Ayardaw	"	-	-	-	-	-
6	Thein Yin	"	-	50	-	-	-
7	Thar Zi	"	-	-	-	-	-
8	New Khwe	"	-	100	-	-	-
9	Thet Kel Aie	"	20	-	-	-	-
10	Ayeyarwaddy	"	-	100	100	80	25
11	Let pan	"	-	-	30	50	25
12	Dar Ai	"	-	-	-	-	20
13	King dat	"	-	-	-	-	60
	Total		50	250	130	130	130
14	Myothar	Mandalay Region	-	-	-	-	-
15	Natthartaw	"	-	-	-	-	-
16	Phaung kadaw	"	50	-	-	-	-
17	Kyet mauktaung	"	-	-	-	-	-
18	Taungyay	"	-	-	-	-	-
19	Pinnchaung	"	-	-	-	-	-
20	Thinphone	"	-	-	-	-	-
21	Monetine	"	-	-	-	-	-
22	Samone	"	-	-	-	-	-
23	Chaung magyi	"	-	-	-	-	-
24	Myohla(Tat Kon)	"	-	-	-	-	-
25	Sinthay	"	125	100	-	-	-
26	Kinthar	"	-	-	-	-	-
27	Myohla(Yemi Thin)	"	-	-	-	-	-
28	Nga thayauk	"	-	-	-	-	-
29	Myakan	"	-	-	-	-	-
30	Shan-Ma-Ngae	"	-	-	-	-	-
31	Pyin Pin	"	50	125	50	-	-
32	Tha Byae Yoe	"	75	-	-	-	-
33	Pindale	"	-	-	100	-	-
34	Tagon Dine	"	-	-	50	100	50
35	Thida Kan	"	-	-	-	100	25
36	Ye Ywa	"	-	-	-	-	25
37	Pyaung Pyar	"	-	-	-	-	25
38	Gyi Ni	"	-	-	-	-	50
39	Minthar gyi	"	-	-	-	-	25
	Total	"	300	225	200	200	200

Table 2.31 Watershed Plantation for Dam/Reservoir Area of Dry Zone (Cont'd)

(Acre)

S.N (1)	Dam/Reservoir (2)	Location(States/Regions) (3)	2007-2008 (4)	2008-2009 (5)	2009-2010 (6)	2010-2011 (7)	2011-2012 (8)
34	Myakhe taung	Magway Region	-	-	-	-	-
35	Ye-tain-chaung	"	-	-	200	-	-
36	Gway cho	"	-	-	-	250	100
37	Ma-gyi-su	"	-	-	300	300	-
38	Sinchaung	"	200	130	-	-	-
39	Sat-thoyor	"	-	-	100	-	-
40	Sintadarr	"	-	-	-	-	-
41	Khin-mon	"	-	-	100	-	-
42	Satthwar	"	-	70	-	-	-
43	Yawchaung(Pauk)	"	250	200	300	300	300
44	Bahinn	"	-	-	-	-	-
45	Kyetmauk	"	300	300	-	-	-
46	Thitkyitaw	"	-	-	-	-	-
47	Wonlo	"	75	-	-	-	-
48	Wonyou	"	-	-	-	-	-
49	Won chaung	"	-	-	-	-	-
50	Teigyi	"	50	-	-	-	-
51	Yaw chaung(Seik - Phu)	"	75	300	-	300	-
52	Htanpin chaung taphet yat	"	50	-	-	-	-
53	Natmauk	"	1100	1100	1100	1000	200
54	Saddan	"	1100	1100	1100	-	200
55	Palin	"	-	-	-	158	-
56	Syun	"	-	-	-	349	-
57	Banngone	"	500	500	-	-	-
58	Ngamin	"	-	-	-	-	-
59	Kinmonntaung	"	-	-	-	-	-
60	Mannchaung	"	150	250	200	-	100
61	Linzin	"	-	-	-	-	350
62	Mezali	"	-	-	-	-	150
63	Yanpe(taungtwingyi)	"	-	-	800	600	200
64	Yanpe(Sinbaungwai)	"	150	150	150	300	200
65	Bwetkyi	"	-	150	150	-	-
66	Pwethar	"	150	-	-	-	-
67	Tietarr	"	-	-	-	150	200
68	Maday	"	-	-	-	150	200
69	Sanyo	"	-	-	-	50	-
70	Salin	"	-	-	-	300	-
71	Einema	"	-	-	-	200	-
72	Myotinchaung	"	-	-	-	-	200
73	Ayeyarwaddy	"	-	-	-	-	-
	Total		4150	4250	4500	4407	2400

Table 2.31 Watershed Plantation for Dam/Reservoir Area of Dry Zone (Concl'd)

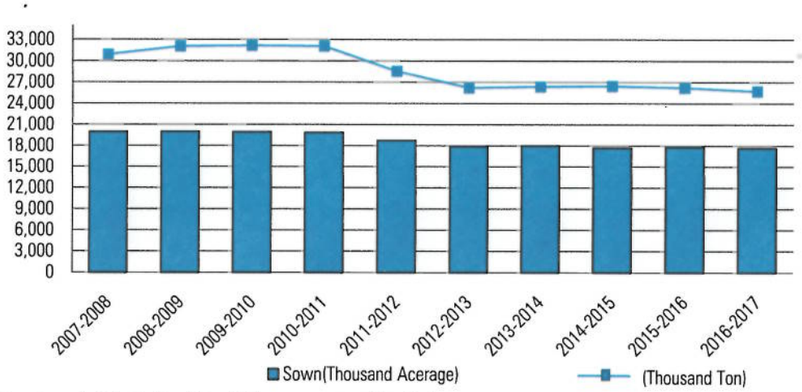
(Acre)

S.N (1)	Dam/Reservoir (2)	Location(States/Regions) (3)	2012-2013 (9)	2013-2014 (10)	2014-2015 (11)	2015-2016 (12)	2016-2017 (13)
40	Myakhe taung	Magway Region	-	-	-	-	-
41	Ye-tain-chaung	"	-	-	-	-	-
42	Gway cho	"	-	-	-	-	-
43	Ma-gyi-su	"	-	-	-	-	-
44	Sinchaung	"	-	-	-	-	-
45	Sat-thoyor	"	-	-	-	-	-
46	Sintadarr	"	-	-	-	-	-
47	Khin-mon	"	100	-	-	-	-
48	Satthwar	"	-	-	-	-	-
49	Yawchaung(Pauk)	"	100	-	-	-	-
50	Bahinn	"	-	-	-	-	-
51	Kyetmauk	"	-	-	-	-	-
52	Thitkyitaw	"	-	-	-	-	-
53	Wonlo	"	-	-	-	-	-
54	Wonyou	"	-	-	-	-	-
55	Won chaung	"	-	-	-	-	-
56	Teigyi	"	-	-	-	-	-
57	Yaw chaung(Seik-Phyu)	"	100	-	-	-	-
58	Htanpin chaung taphet yat	"	-	-	-	-	-
59	Natmauk	"	125	130	-	-	-
60	Saddan	"	100	130	120	120	120
61	Palin	"	-	-	-	-	-
62	Syun	"	-	-	-	-	-
63	Banngone	"	-	-	-	-	-
64	Ngamin	"	-	-	-	-	-
65	Kinmonntaung	"	-	-	-	-	-
66	Mannchaung	"	-	-	-	-	-
67	Linzin	"	-	-	-	-	-
68	Mezali	"	100	-	-	-	-
69	Yanpe(taungtwingyi)	"	125	140	100	150	150
70	Yanpe(Sinbaungwai)	"	150	100	-	-	-
71	Bwetkyi	"	-	-	-	-	-
72	Pwethar	"	-	-	-	-	-
73	Tietarr	"	-	-	-	-	-
74	Maday	"	50	50	50	50	50
75	Sanyo	"	-	-	-	-	-
76	Salin	"	-	-	-	-	-
77	Einema	"	200	75	50	200	200
78	Myotinchaung	"	-	-	-	-	-
79	Ayeyarwaddy	"	100	100	-	-	-
	Total	"	1250	725	320	520	520

Source: Dry Zone Greening Department.

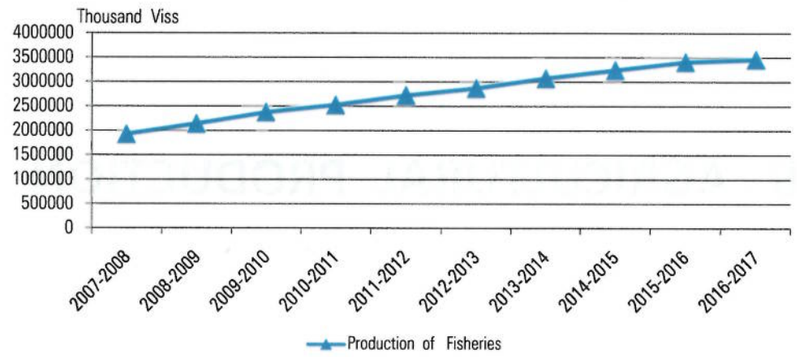
III . AGRICULTURAL PRODUCTION

Figure 3.1 SOWN ACREAGE AND PRODUCTION OF PADDY



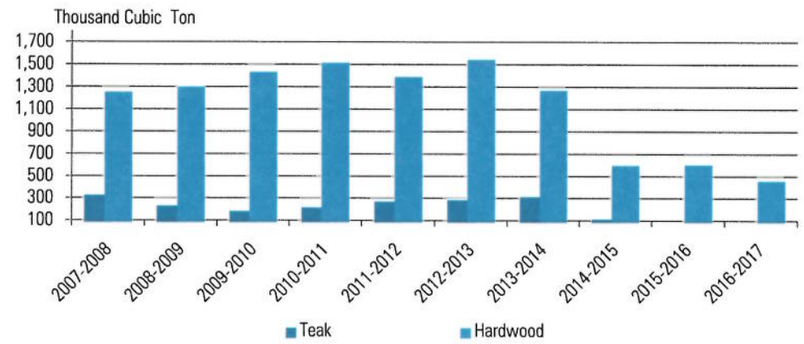
Source:Department of Agricultural Land Management and Statistics.

Figure 3.2 PRODUCTION OF FISHERIES



Source:Department of Fisheries.

Figure 3.3 TEAK AND HARDWOOD LOGS EXTRACTION BY STATES AND REGIONS



Source:Myanma Timber Enterprise.

Table 3.01 Area Sown, Harvested and Cropping Intensity

(Thousand Acres)

Period (1)	Net Area Sown (2)	Area Sown more than once (3)	Gross Area Sown (4)	Gross Area Harvested (5)	Cropping Intensity (%) (4 / 2) x 100 (6)
2007-2008	32677	21974	54651	48795	167.3
2008-2009	33332	23405	56737	49759	170.2
2009-2010	33716	24013	57729	50551	171.2
2010-2011	33971	24263	58234	50926	171.4
2011-2012	33561	22028	55589	46128	165.6
2012-2013	32862	19144	52006	44488	158.3
2013-2014	32762	20038	52800	44971	161.2
2014-2015	33014	19792	52806	45062	160.0
2015-2016	33016	19673	52689	45223	159.6
2016-2017	33049	18499	51548	44925	156.0

Source : Department of Agricultural Land Management and Statistics.

Table 3.02 Sown Acreage of Selected Crops

(Thousand Acres)

Crop (1)	2007-2008 (2)	2008-2009 (3)	2009-2010 (4)	2010-2011 (5)	2011-2012 (6)
1. Paddy	19990	20001	19933	19885	18762
2. Paddy(Summer)	3136	3160	3182	3100	2628
3. Paddy(Monsoon)	16854	16841	16751	16785	16134
4. Wheat	243	246	256	251	236
5. Maize (Seed)	854	878	897	962	1017
6. Maize (Cob)	792	836	863	887	860
7. Sorghum	504	511	553	546	549
8. Groundnut	2014	2086	2141	2168	2192
9. Groundnut (Rain)	889	908	937	951	1013
10. Groundnut (Winter)	1125	1178	1204	1217	1179
11. Sesamum	3725	3880	4038	3918	3941
12. Sesamum (Summer)	184	194	170	162	154
13. Sesamum (Rain)	2763	2876	2948	2875	2929
14. Sesamum (Winter)	778	810	920	881	858
15. Sunflower	2063	2184	2182	2122	1342
16. Oil Palm	231	251	277	308	332
17. Nigar	363	376	385	392	365
18. Matpe (Black gram)	2422	2441	2528	2607	2694
19. Pedisein (Green gram)	2635	2566	2660	2771	2713
20. Sadawpe (Garden pea)	135	124	126	136	133
21. Pesingon (Pigeon pea)	1455	1511	1523	1565	1590
22. Gram (Chick pea)	691	739	809	819	823
23. Peboke (Soy bean)	391	411	422	418	389
24. Pelun	388	393	384	387	349

Table 3.02 Sown Acreage of Selected Crops (Cont'd)

(Thousand Acres)

Crop (1)	2012-2013 (7)	2013-2014 (8)	2014-2015 (9)	2015-2016 (10)	2016-2017 (11)
1. Paddy	17893	17999	17722	17821	17696
2. Paddy(Summer)	2343	2615	2325	2455	2456
3. Paddy(Monsoon)	15550	15383	15397	15366	15239
4. Wheat	246	250	244	238	214
5. Maize (Seed)	1042	1089	1134	1166	1211
6. Maize (Cob)	902	909	923	914	911
7. Sorghum	539	558	582	589	588
8. Groundnut	2252	2300	2346	2359	2445
9. Groundnut (Rain)	1059	1102	1136	1144	1241
10. Groundnut (Winter)	1193	1198	1210	1215	1204
11. Sesamum	3838	4007	3906	4052	4042
12. Sesamum (Summer)	149	204	285	272	323
13. Sesamum (Rain)	2791	2894	2703	2869	2847
14. Sesamum (Winter)	898	909	917	911	872
15. Sunflower	1226	1188	1195	1152	1009
16. Oil Palm	356	366	378	392	396
17. Nigar	385	383	387	389	383
18. Matpe (Black gram)	2737	2723	2712	2800	2913
19. Pedisein (Green gram)	2686	2775	2899	2990	3017
20. Sadawpe (Garden pea)	131	134	134	135	127
21. Pesingon (Pigeon pea)	1514	1578	1529	1601	1652
22. Gram (Chick pea)	894	949	934	920	899
23. Peboke (Soy bean)	389	383	374	367	354
24. Pelun	357	360	358	362	345

Table 3.02 Sown Acreage of Selected Crops

(Thousand Acres)

Crop (1)	2007-2008 (2)	2008-2009 (3)	2009-2010 (4)	2010-2011 (5)	2011-2012 (6)
1. Paddy	19990	20001	19933	19885	18762
2. Paddy(Summer)	3136	3160	3182	3100	2628
3. Paddy(Monsoon)	16854	16841	16751	16785	16134
4. Wheat	243	246	256	251	236
5. Maize (Seed)	854	878	897	962	1017
6. Maize (Cob)	792	836	863	887	860
7. Sorghum	504	511	553	546	549
8. Groundnut	2014	2086	2141	2168	2192
9. Groundnut (Rain)	889	908	937	951	1013
10. Groundnut (Winter)	1125	1178	1204	1217	1179
11. Sesamum	3725	3880	4038	3918	3941
12. Sesamum (Summer)	184	194	170	162	154
13. Sesamum (Rain)	2763	2876	2948	2875	2929
14. Sesamum (Winter)	778	810	920	881	858
15. Sunflower	2063	2184	2182	2122	1342
16. Oil Palm	231	251	277	308	332
17. Nigar	363	376	385	392	385
18. Matpe (Black gram)	2422	2441	2528	2607	2694
19. Pedisein (Green gram)	2635	2566	2660	2771	2713
20. Sadawpe (Garden pea)	135	124	126	136	133
21. Pesingon (Pigeon pea)	1455	1511	1523	1565	1590
22. Gram (Chick pea)	691	739	809	819	823
23. Peboke (Soy bean)	391	411	422	418	389
24. Pelun	388	393	384	387	348

Table 3.02 Sown Acreage of Selected Crops (Cont'd)

(Thousand Acres)

Crop (1)	2012-2013 (7)	2013-2014 (8)	2014-2015 (9)	2015-2016 (10)	2016-2017 (11)
1. Paddy	17893	17999	17722	17821	17696
2. Paddy(Summer)	2343	2615	2325	2455	2456
3. Paddy(Monsoon)	15550	15383	15397	15366	15239
4. Wheat	246	250	244	238	214
5. Maize (Seed)	1042	1089	1134	1166	1211
6. Maize (Cob)	902	909	923	914	911
7. Sorghum	539	558	582	589	588
8. Groundnut	2252	2300	2346	2359	2445
9. Groundnut (Rain)	1059	1102	1136	1144	1241
10. Groundnut (Winter)	1193	1198	1210	1215	1204
11. Sesamum	3838	4007	3906	4052	4042
12. Sesamum (Summer)	149	204	285	272	323
13. Sesamum (Rain)	2791	2894	2703	2869	2847
14. Sesamum (Winter)	898	909	917	911	872
15. Sunflower	1226	1188	1195	1152	1009
16. Oil Palm	356	366	378	392	396
17. Nigar	385	383	387	389	383
18. Matpe (Black gram)	2737	2723	2712	2800	2913
19. Pedisein (Green gram)	2686	2775	2899	2990	3017
20. Sadawpe (Garden pea)	131	134	134	135	127
21. Pesingon (Pigeon pea)	1514	1578	1529	1601	1652
22. Gram (Chick pea)	894	949	934	920	899
23. Peboke (Soy bean)	389	383	374	367	354
24. Pelun	357	360	358	362	345

Table 3.02 Sown Acreage of Selected Crops (Cont'd)

(Thousand Acres)

Crop (1)	2007-2008 (2)	2008-2009 (3)	2009-2010 (4)	2010-2011 (5)	2011-2012 (6)
25. Chillies Dry	319	320	326	315	290
26. Chillies Dry (Rain)	158	155	158	148	138
27. Chillies Dry (Winter)	161	166	168	167	152
28. Onion	175	169	178	179	176
29. Onion (Rain)	5	7	9	8	10
30. Onion (Winter)	170	162	169	171	168
31. Garlic	71	64	70	72	72
32. Tea	216	222	230	234	234
33. Coffee	58	59	60	61	62
34. Sugarcane	417	408	396	374	381
35. Potato	91	93	94	96	92
36. Potato (Rain)	43	44	45	45	45
37. Potato (Winter)	48	49	49	50	48
38. Cotton	909	907	888	867	805
39. Cotton (Wagyi)	96	94	94	92	90
40. Cotton (Mahlaing 5 / 6)	125	122	120	111	103
41. Cotton (Long Staple)	688	692	674	664	612
42. Jute	14	9	9	8	8
43. Jute (Pre-monsoon)	12	6	7	6	5
44. Jute (Monsoon)	2	3	2	2	3
45. Rubber	940	1057	1144	1246	1342
46. Mulberry	4	4	4	4	3
47. Coconut	131	131	132	132	132

Table 3.02 Sown Acreage of Selected Crops (Concl'd)

(Thousand Acres)

Crop (1)	2012-2013 (7)	2013-2014 (8)	2014-2015 (9)	2015-2016 (10)	2016-2017 (11)
25. Chillies Dry	280	271	275	272	274
26. Chillies Dry (Rain)	135	126	133	127	132
27. Chillies Dry (Winter)	145	145	143	144	142
28. Onion	178	190	193	189	173
29. Onion (Rain)	7	10	11	8	9
30. Onion (Winter)	171	180	182	181	164
31. Garlic	71	72	70	70	71
32. Tea	224	231	236	237	238
33. Coffee	50	50	49	49	49
34. Sugarcane	381	419	447	400	405
35. Potato	91	90	91	91	90
36. Potato (Rain)	44	44	45	44	43
37. Potato (Winter)	47	46	46	47	47
38. Cotton	687	739	752	720	642
39. Cotton (Wagyi)	86	92	92	91	89
40. Cotton (Mahlaing 5 / 6)	77	80	74	73	54
41. Cotton (Long Staple)	524	567	586	556	499
42. Jute	1	*	*	*	*
43. Jute (Pre-monsoon)	*	*	*	*	*
44. Jute (Monsoon)	1	*	*	*	*
45. Rubber	1436	1507	1584	1607	1616
46. Mulberry	2	2	2	2	1
47. Coconut	142	141	141	141	141

Note: * Less than one unit

Source : Department of Agricultural Land Management and Statistics.

Table 3.03 Average Yield Per Harvested Acre of Selected Crops

Crop (1)	Unit (2)	2007-2008 (3)	2008-2009 (4)	2009-2010 (5)	2010-2011 (6)	2011-2012 (7)
1.Paddy	46lb(basket)	76	78	79	79	74
2.Wheat	72lb(basket)	20	22	22	22	22
3.Maize	55lb(basket)	54	55	56	57	59
4.Groundnut						
(a) Rain	25lb(basket)	46	47	49	50	49
(b) Winter	25lb(basket)	60	61	62	62	63
5.Sesamum						
(a) Early	54lb(basket)	7	8	7	8	8
(b) Late	54lb(basket)	11	12	12	12	12
6.Cotton						
(a) Wagyi	Viss	104	106	106	107	109
(b) Mahlaing 5/6	Viss	101	105	111	116	118
(c) Long Staple	Viss	242	368	441	476	498
7.Jute	Viss	203	219	222	217	235
8.Kenaf	Viss	259	255	255	263	272
9.Rubber	lb	571	577	600	613	673
10.Matpe(Black gram)	72lb(basket)	17	18	18	19	16
11.Pedisein(Green gram)	72lb(basket)	14	15	15	16	15
12.Bocate(Cow pea)	72lb(basket)	14	14	15	15	15
13.Peboke(Soy bean)	72lb(basket)	17	18	19	19	19
14.Pelun	72lb(basket)	14	15	15	15	15
15.Pesingon(Pigeon pea)	72lb(basket)	14	15	16	16	16
16.Peyin(Rice bean)	72lb(basket)	12	13	13	13	14
17. Sadawpe(Garden pea)	72lb(basket)	14	14	15	15	16

Table 3.03 Average Yield Per Harvested Acre of Selected Crops (Cont'd)

Crop (1)	Unit (2)	2012-2013 (8)	2013-2014 (9)	2014-2015 (10)	2015-2016 (11)	2016-2017 (12)
1.Paddy	46lb(basket)	74	75	76	76	75
2.Wheat	72lb(basket)	22	23	23	23	23
3.Maize	55lb(basket)	59	60	61	61	62
4.Groundnut						
(a) Rain	25lb(basket)	50	50	50	51	51
(b) Winter	25lb(basket)	63	64	64	65	65
5.Sesamum						
(a) Early	54lb(basket)	8	8	8	8	8
(b) Late	54lb(basket)	13	13	13	13	13
6.Cotton						
(a) Wagyi	Viss	108	111	112	113	119
(b) Mahlaing 5/6	Viss	120	120	117	120	118
(c) Long Staple	Viss	510	515	524	540	546
7.Jute	Viss	223	234	187	148	96
8.Kenaf	Viss	227	276	218	175	163
9.Rubber	lb	687	681	683	674	686
10.Matpe(Black gram)	72lb(basket)	17	18	18	18	18
11.Pedisein(Green gram)	72lb(basket)	16	16	16	16	16
12.Bocate(Cow pea)	72lb(basket)	15	16	16	16	16
13.Peboke(Soy bean)	72lb(basket)	19	19	19	19	19
14.Pelun	72lb(basket)	16	16	16	16	16
15.Pesingon(Pigeon pea)	72lb(basket)	16	16	17	17	17
16.Peyin(Rice bean)	72lb(basket)	14	14	14	14	14
17. Sadawpe(Garden pea)	72lb(basket)	16	16	17	17	17

Table 3.03 Average Yield Per Harvested Acre of Selected Crops

Crop (1)	Unit (2)	2007-2008 (3)	2008-2009 (4)	2009-2010 (5)	2010-2011 (6)	2011-2012 (7)
1.Paddy	46lb(basket)	76	78	79	79	74
2.Wheat	72lb(basket)	20	22	22	22	22
3.Maize	55lb(basket)	54	55	56	57	59
4.Groundnut						
(a) Rain	25lb(basket)	46	47	49	50	49
(b) Winter	25lb(basket)	60	61	62	62	63
5.Sesamum						
(a) Early	54lb(basket)	7	8	7	8	8
(b) Late	54lb(basket)	11	12	12	12	12
6.Cotton						
(a) Wagyi	Viss	104	106	106	107	109
(b) Mahlaing 5/6	Viss	101	105	111	116	118
(c) Long Staple	Viss	242	368	441	476	498
7.Jute	Viss	203	219	222	217	235
8.Kenaf	Viss	259	255	255	263	272
9.Rubber	lb	571	577	600	613	673
10.Matpe(Black gram)	72lb(basket)	17	18	18	19	15
11.Pedisein(Green gram)	72lb(basket)	14	15	15	16	15
12.Bocate(Cow pea)	72lb(basket)	14	14	15	15	15
13.Peboke(Soy bean)	72lb(basket)	17	18	19	19	19
14.Pelun	72lb(basket)	14	15	15	15	15
15.Pesingon(Pigeon pea)	72lb(basket)	14	15	16	16	16
16.Peyin(Rice bean)	72lb(basket)	12	13	13	13	14
17. Sadawpe(Garden pea)	72lb(basket)	14	14	15	15	16

Table 3.03 Average Yield Per Harvested Acre of Selected Crops (Cont'd)

Crop (1)	Unit (2)	2012-2013 (8)	2013-2014 (9)	2014-2015 (10)	2015-2016 (11)	2016-2017 (12)
1.Paddy	46lb(basket)	74	75	76	76	75
2.Wheat	72lb(basket)	22	23	23	23	23
3.Maize	55lb(basket)	59	60	61	61	62
4.Groundnut						
(a) Rain	25lb(basket)	50	50	50	51	51
(b) Winter	25lb(basket)	63	64	64	65	65
5.Sesamum						
(a) Early	54lb(basket)	8	8	8	8	8
(b) Late	54lb(basket)	13	13	13	13	13
6.Cotton						
(a) Wagyi	Viss	108	111	112	113	119
(b) Mahlaing 5/6	Viss	120	120	117	120	118
(c) Long Staple	Viss	510	515	524	540	546
7.Jute	Viss	223	234	187	148	96
8.Kenaf	Viss	227	276	218	175	163
9.Rubber	lb	687	681	683	674	686
10.Matpe(Black gram)	72lb(basket)	17	18	18	18	18
11.Pedisein(Green gram)	72lb(basket)	16	16	16	16	16
12.Bocate(Cow pea)	72lb(basket)	15	16	16	16	16
13.Peboke(Soy bean)	72lb(basket)	19	19	19	19	19
14.Pelun	72lb(basket)	16	16	16	16	16
15.Pesingon(Pigeon pea)	72lb(basket)	16	16	17	17	17
16.Peyin(Rice bean)	72lb(basket)	14	14	14	14	14
17. Sadawpe(Garden pea)	72lb(basket)	16	16	17	17	17

Table 3.03 Average Yield Per Harvested Acre of Selected Crops (Cont'd)

Crop (1)	Unit (2)	2007-2008 (3)	2008-2009 (4)	2009-2010 (5)	2010-2011 (6)	2011-2012 (7)
18. Peyazar(Lentil bean)	72lb(basket)	9	10	9	10	10
19. Penauk(Krishna mung)	72lb(basket)	10	10	11	11	12
20. Butter bean	69lb(basket)	15	15	16	16	17
21. Sultani	69lb(basket)	14	15	15	16	16
22. Sultapya	69lb(basket)	15	15	16	16	16
23.Gram(Chick pea)	69lb(basket)	16	17	17	18	18
24. Pebyugale(Duffin bean)	69lb(basket)	11	12	13	13	13
25. Pegyi(Lablab bean)	69lb(basket)	13	15	15	15	16
26. Pegya(Lima bean)	69lb(basket)	11	11	12	12	13
27. Chillies	Viss	222	241	251	252	250
28. Onion	Viss	3596	3755	3800	2873	3936
29. Garlic	Viss	1734	1724	1761	1781	1805
30. Potato	Viss	3579	3662	3658	3667	3747
31.Tobacco(dry)(Virginia)	Viss	302	341	332	322	340
32.Tobacco(dry)(Myanmar)	Viss	402	419	438	444	463
33. Sugarcane	long ton	24	24	25	25	25
34.Tapioca	Viss	3378	3345	3419	3345	3200
35.Tea	Viss	285	291	296	300	296
36. Coffee	Viss	163	163	166	168	172

Table 3.03 Average Yield Per Harvested Acre of Selected Crops(Concl'd)

Crop (1)	Unit (2)	2012-2013 (8)	2013-2014 (9)	2014-2015 (10)	2015-2016 (11)	2016-2017 (12)
18. Peyazar(Lentil bean)	72lb(basket)	10	10	11	11	12
19. Penauk(Krishna mung)	72lb(basket)	12	12	12	13	13
20. Butter bean	69lb(basket)	17	17	17	18	18
21. Sultani	69lb(basket)	16	17	18	17	17
22. Sultapya	69lb(basket)	16	16	16	16	16
23.Gram(Chick pea)	69lb(basket)	19	19	20	20	20
24. Pebyugale(Duffin bean)	69lb(basket)	14	14	14	14	14
25. Pegyi(Lablab bean)	69lb(basket)	16	16	16	17	17
26. Pegya(Lima bean)	69lb(basket)	13	14	13	13	14
27. Chillies	Viss	261	265	274	291	296
28. Onion	Viss	3993	3949	4004	4087	4042
29. Garlic	Viss	1824	1830	1859	1869	1869
30. Potato	Viss	3756	3729	3745	3845	3820
31.Tobacco(dry)(Virginia)	Viss	346	331	329	347	359
32.Tobacco(dry)(Myanmar)	Viss	466	451	467	475	479
33. Sugarcane	long ton	25	25	25	25	26
34.Tapioca	Viss	3288	3325	3231	3200	2932
35.Tea	Viss	298	297	296	297	299
36. Coffee	Viss	173	177	178	178	174

Source : Department of Agricultural Land Management and Statistics.

FBS

Table 3.04 Paddy (Unhusked Rice) Total Production and Utilization by States and Regions (2016-2017)

(Thousand Metric Ton)

S.N	States and Regions	Total Production	Utilization				Deficit / Surplus	
			Seeds	Waste	Consumption	Total	Paddy	Rice
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	Total	27607	736	1104	15335	17174	10431	5016
1.	Nay Pyi Taw	333	8	12	344	363	-30	-14
2.	Kachin State	640	19	28	501	547	92	44
3.	Kayah State	135	4	6	87	97	38	18
4.	Kayin State	848	24	36	479	539	309	149
5.	Chin State	78	3	5	145	153	-76	-36
6.	Sagaing Region	3711	89	133	1626	1847	1864	896
7.	Tanintharyi Region	374	11	16	425	451	-77	-37
8.	Bago Region	4686	123	185	1466	1774	2912	1400
9.	Magway Region	1294	31	47	1193	1271	23	11
10.	Mandalay Region	1125	27	40	1815	1882	-757	-364
11.	Mon State	1028	31	46	609	685	343	165
12.	Rakhine State	1514	46	69	978	1094	420	202
13.	Yangon Region	1931	57	85	2017	2159	-228	-109
14.	Shan State	2103	55	82	1761	1898	205	98
15	Ayeyarwady Region	7807	210	314	1890	2414	5394	2593

Note: Seed Rate = 2 basket/acre
Waste = 3 basket/acre (without other consumption.
eg, vermicella, Myanmar traditional snacks)
Consumption = Urban - 12 baskets/year/person,
Rural - 15 baskets/year/person
Paddy 100 baskets = Rice 1 MT

Source: Department of Agriculture.

Table 3.05 Groundnut Production, Utilization and Processed Form by States and Regions (2016-2017)

(Thousand Metric Ton)

S.N	States and Regions	Total Production	Utilization				Production for Oil Extraction	Oil Equivalent	Oil Cakes
			Seeds	Waste	Other Uses	Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	Total	1573	163.75	78.61	78.61	320.97	1251.46	366.13	700.82
1.	Nay Pyi Taw	28	3.20	1.38	1.38	5.96	21.68	6.34	12.14
2.	Kachin State	18	2.01	0.91	0.91	3.83	14.43	4.22	8.08
3.	Kayah State	7	0.94	0.36	0.36	1.66	5.51	1.61	3.08
4.	Kayin State	29	2.45	1.46	1.46	5.37	23.78	6.96	13.32
5.	Chin State	2	0.27	0.10	0.10	0.47	1.52	0.44	0.85
6.	Sagaing Region	529	52.50	26.45	26.45	105.40	423.55	123.92	237.19
7.	Tanintharyi Region	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.	Bago Region	134	12.80	6.70	6.70	26.20	107.87	31.56	60.41
9.	Magway Region	379	36.57	18.94	18.94	74.45	304.33	89.03	170.42
10.	Mandalay Region	232	29.62	11.58	11.58	52.78	178.89	52.34	100.18
11.	Mon State	15	1.55	0.76	0.76	3.07	12.14	3.55	6.80
12.	Rakhine State	50	5.77	2.50	2.50	10.77	39.30	11.50	22.01
13.	Yangon Region	3	0.34	0.14	0.14	0.62	2.19	0.64	1.23
14.	Shan State	76	8.64	3.78	3.78	16.20	59.38	17.37	33.25
15.	Ayeyarwady Region	71	7.09	3.55	3.55	14.19	56.89	16.65	31.86

Note: Seed Rate = 6 baskets/acre
Waste = 5 % of Production
Other Uses = 5% of Production
Oil Equivalent = 2 viss/1 basket (Groundnut - with shell)
Oil Cake = 2.8 viss/ 1 basket (Groundnut - with shell)

Source: Department of Agriculture.

Table 3.06 Sesamum Production, Utilization and Processed Form by States and Regions (2016-2017)

(Thousand Metric Ton)

S.N	States and Regions	Total Production	Utilization				Production for Oil Extraction	Oil Equivalent	Oil Cakes
			Seeds	Waste	Other Use	Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	Total	913	12.18	18.23	45.60	76.03	836.02	339.72	418.03
1.	Nay Pyi Taw	15	0.22	0.29	0.74	1.25	13.47	5.47	6.73
2.	Kachin State	5	0.06	0.11	0.27	0.44	5.01	2.04	2.51
3.	Kayah State	6	0.07	0.11	0.28	0.47	5.20	2.11	2.60
4.	Kayin State	14	0.13	0.28	0.69	1.10	12.71	5.17	6.36
5.	Chin State	1	0.02	0.02	0.05	0.09	0.99	0.40	0.50
6.	Sagaing Region	306	3.37	6.11	15.28	24.76	280.84	114.12	140.42
7.	Tanintharyi Region	0	0.00	0.00	0.01	0.01	0.12	0.05	0.06
8.	Bago Region	43	0.52	0.85	2.13	3.51	39.19	15.92	19.59
9.	Magway Region	363	4.25	7.26	18.15	29.65	333.25	135.42	166.63
10.	Mandalay Region	141	3.32	2.82	7.05	13.19	127.76	51.92	63.88
11.	Mon State	1	0.01	0.01	0.04	0.06	0.66	0.27	0.33
12.	Rakhine State	1	0.01	0.02	0.04	0.07	0.79	0.32	0.40
13.	Yangon Region	1	0.01	0.02	0.05	0.09	0.96	0.39	0.48
14.	Shan State	9	0.12	0.19	0.46	0.77	8.49	3.45	4.25
15.	Ayeyarwady Region	7	0.07	0.14	0.36	0.57	6.58	2.67	3.29

Source: Department of Agriculture

Note: Seed Rate = 0.125 baskets/acre
Waste = 2 % of Production
Other Uses = 5% of Production
Oil Equivalent = 6 viss/1 basket
Oil Cake = 7.5 viss/ 1 basket

Table 3.07 Production of Selected Crops

(Thousand Ton)

Crop (1)	2007-08 (2)	2008-09 (3)	2009-10 (4)	2010-11 (5)	2011-12 (6)	2012-13 (7)	2013-14 (8)	2014-15 (9)	2015-16 (10)	2016-17 (11)
1. Paddy	30954	32059	32166	32065	28552	26217	26372	26424	26210	25673
2. Paddy (Summer)	5565	5889	5883	5719	4821	3292	3408	3075	3122	3085
3. Paddy (Monsoon)	25389	26169	26283	26346	23731	22925	22964	23349	23088	22588
4. Wheat	155	170	179	181	170	178	183	182	179	166
5. Maize (Seed)	1128	1185	1226	1354	1462	1502	1601	1693	1748	1831
6. Maize (Cob) (000. Nos)	12452606	13515228	14341992	14980170	14493844	15738790	15895775	16214025	16324792	16329031
7. Sorghum	188	190	210	213	219	211	225	239	240	243
8. Groundnut	1202	1284	1341	1370	1378	1428	1465	1501	1518	1572
9. Groundnut (Rain)	454	478	513	529	555	585	612	636	643	699
10. Groundnut (Winter)	748	805	828	841	823	844	853	866	875	874
11. Sesamum	768	840	854	848	887	799	820	802	828	813
12. Sesamum (Summer)	67	74	64	60	55	4	3	1	1	-
13. Sesamum (Rain)	489	537	522	529	574	522	540	519	543	540
14. Sesamum (Winter)	212	229	268	259	258	273	277	282	284	274
15. Sunflower	692	767	770	756	482	448	443	453	440	388
16. Oil Palm	206	208	245	330	430	474	490	515	435	352
17. Nigar	80	87	89	92	91	92	92	93	95	91
18. Matpe (Black gram)	1350	1423	1485	1578	939	1058	1076	1080	1142	1164
19. Pedisein (Green gram)	1178	1220	1315	1338	919	948	992	1050	1090	1087
20. Sadawpe (Garden pea)	60	57	61	67	47	46	49	49	50	47
21. Pesingon (Pigeon pea)	719	765	760	824	580	549	579	575	602	628
22. Gram (Chick pea)	348	398	434	459	466	517	562	571	572	559
23. Peboke (Soy bean)	214	240	254	255	162	163	161	157	154	149
24. Pelun	176	188	186	191	115	126	128	128	131	124

Table 3.07 Production of Selected Crops (Concl'd)

(Thousand Ton)

Crop (1)	2007-08 (2)	2008-09 (3)	2009-10 (4)	2010-11 (5)	2011-12 (6)	2012-13 (7)	2013-14 (8)	2014-15 (9)	2015-16 (10)	2016-17 (11)
25. Chillies Dry	114	124	133	128	116	118	116	122	127	129
26. Chillies Dry (Rain)	37	38	42	39	35	35	33	40	44	46
27. Chillies Dry (Winter)	77	86	91	89	81	83	83	82	83	81
28. Onion	1013	1023	1092	1114	1125	1142	1205	1245	1244	1123
29. Onion (Rain)	20	27	34	30	36	27	37	42	32	36
30. Onion (Winter)	993	996	1058	1084	1089	1115	1168	1203	1212	1087
31. Garlic	197	178	198	206	209	209	212	209	209	213
32. Tea	87	90	92	95	93	95	96	99	100	103
33. Coffee	6	6	7	7	8	8	8	8	8	9
34. Sugarcane (M.T)	9678	9744	9562	9250	9537	9413	10307	11128	10142	10437
35. Potato	521	548	554	563	556	551	540	542	560	554
36. Potato (Rain)	267	274	278	280	277	278	265	267	277	271
37. Potato (Winter)	254	274	276	283	279	273	275	275	283	283
38. Cotton	303	445	514	541	525	460	501	524	513	465
39. Cotton (Wagyi)	16	16	16	16	16	15	16	17	17	17
40. Cotton (Mahlaing 5/6)	20	20	21	21	20	15	15	14	14	10
41. Cotton (Long Staple)	267	409	477	505	489	430	469	494	482	438
42. Jute	3	1	1	1	1	*	*	*	*	*
43. Jute (Pre-monsoon)	3	1	1	1	*	*	*	*	*	*
44. Jute (Monsoon)	*	*	*	*	1	*	*	*	*	*
45. Rubber	87	92	110	126	147	162	174	195	209	222
46. Mulberry	3	4	4		3	3	2	3	2	2
47. Coconut (000. Nos)	505014	420393	417171	430855	478057	490717	510412	509177	508666	490276

Note: * Less than one unit

Source : Department of Agricultural Land Management and Statistics

Table 3.08 Sown Area, Harvested Area and Production of Fruits

(In Thousand)

Crop (1)	Unit (2)	2007-2008 (3)	2008-2009 (4)	2009-2010 (5)	2010-2011 (6)	2011-2012 (7)
1. Mango						
Sown	Acre	191	193	196	197	205
Harvested	Acre	174	171	177	173	183
Production	Numbers	1791071	1740421	1928941	2014702	1969392
2. Lemon						
Sown	Acre	41	42	43	44	45
Harvested	Acre	38	39	41	41	42
Production	Numbers	645797	693795	750760	781294	795562
3. Orange						
Sown	Acre	34	35	35	35	35
Harvested	Acre	26	27	27	29	29
Production	Viss	175639	182267	182412	203643	214407
4. Pomelo and Sweet Lime						
Sown	Acre	14	14	15	15	16
Harvested	Acre	13	13	14	14	14
Production	Numbers	69695	73968	79644	79086	81096
5. Durian						
Sown	Acre	18	18	21	21	21
Harvested	Acre	16	16	20	20	20
Production	Numbers	39541	40011	59588	57527	61001
6. Pineapple						
Sown	Acre	48	48	52	52	54
Harvested	Acre	46	47	51	51	52
Production	Numbers	219475	215108	242523	248827	253501
7. Custard apple						
Sown	Acre	10	10	10	10	11
Harvested	Acre	9	9	10	10	10
Production	Numbers	94171	96230	101299	115743	109874
8. Lichee						
Sown	Acre	13	13	13	13	7
Harvested	Acre	11	11	11	11	5
Production	Numbers	1048408	1052543	1040840	1056679	360493
9. Grapes						
Sown	Acre	4	4	4	4	3
Harvested	Acre	3	3	3	2	3
Production	Viss	6391	6438	6450	4698	6609
10. Apple						
Sown	Acre	4	4	4	4	1
Harvested	Acre	2	2	2	2	1
Production	Viss	2836	2837	2847	2847	1238

Table 3.08 Sown Area, Harvested Area and Production of Fruits (Cont'd)

(In Thousand)

Crop (1)	Unit (2)	2012-2013 (8)	2013-2014 (9)	2014-2015 (10)	2015-2016 (11)	2016-2017 (12)
1. Mango						
Sown	Acre	232	237	240	247	254
Harvested	Acre	189	191	197	200	207
Production	Numbers	2098617	2123251	2228279	1981290	2309027
2. Lemon						
Sown	Acre	49	49	51	52	54
Harvested	Acre	43	43	43	44	46
Production	Numbers	783268	826960	761890	841756	913235
3. Orange						
Sown	Acre	36	36	36	38	37
Harvested	Acre	29	30	30	27	26
Production	Viss	193587	208972	216206	215442	216881
4. Pomelo and Sweet Lime						
Sown	Acre	17	17	17	17	17
Harvested	Acre	14	14	15	15	15
Production	Numbers	82300	87383	77113	89930	91355
5. Durian						
Sown	Acre	23	23	23	23	24
Harvested	Acre	20	20	20	20	21
Production	Numbers	63847	62377	63230	52613	64545
6. Pineapple						
Sown	Acre	60	59	59	61	61
Harvested	Acre	53	52	53	54	55
Production	Numbers	252477	244897	250182	254092	245452
7. Custard apple						
Sown	Acre	11	11	11	11	11
Harvested	Acre	11	11	11	11	11
Production	Numbers	108698	101338	101885	101527	104075
8. Lichee						
Sown	Acre	8	8	9	9	8
Harvested	Acre	5	6	7	7	6
Production	Numbers	359467	389381	336668	365029	366967
9. Grapes						
Sown	Acre	3	3	3	3	4
Harvested	Acre	2	3	3	3	4
Production	Viss	5725	7597	7449	12596	19163
10. Apple						
Sown	Acre	1	1	1	1	1
Harvested	Acre	1	1	1	1	1
Production	Viss	1241	1258	2891	2391	2881

Table 3.08 Sown Area, Harvested Area and Production of Fruits (Cont'd)

(In Thousand)

Crop (1)	Unit (2)	2007-2008 (3)	2008-2009 (4)	2009-2010 (5)	2010-2011 (6)	2011-2012 (7)
11. Pear						
Sown	Acre	2	3	3	3	2
Harvested	Acre	2	2	2	2	2
Production	Viss	8464	10689	6430	9913	9883
12. Damson						
Sown	Acre	4	4	4	4	4
Harvested	Acre	3	3	3	3	3
Production	Viss	8421	8281	8652	8739	9101
13. Walnut						
Sown	Acre	6	8	8	8	8
Harvested	Acre	5	5	6	6	6
Production	Viss	3431	3734	4423	4432	5304
14. Cashewnut						
Sown	Acre	219	209	217	218	220
Harvested	Acre	136	135	141	143	150
Production	Viss	26123	22234	28373	31170	32032
15. Plums						
Sown	Acre	53	53	55	54	53
Harvested	Acre	50	51	51	50	52
Production	Viss	284195	288747	192492	196354	191337
16. Chestnut						
Sown	Acre	*	*	*	*	*
Harvested	Acre	*	*	*	*	*
Production	Viss	180	198	198	203	183
17. Tamarind						
Sown	Acre	45	45	46	46	46
Harvested	Acre	43	43	44	44	44
Production	Viss	74288	75525	75387	85015	90572
18. Strawberry						
Sown	Acre	*	*	*	*	*
Harvested	Acre	*	*	*	*	*
Production	Viss	845	865	876	876	981
19. Others						
Sown	Acre	624	634	639	635	639
Harvested	Acre	439	467	499	509	507
Total						
Sown	Acre	1330	1338	1366	1366	1372
Harvested	Acre	1016	1044	1103	1111	1125

Table 3.08 Sown Area, Harvested Area and Production of Fruits (Concl'd)

(In Thousand)

Crop (1)	Unit (2)	2012-2013 (8)	2013-2014 (9)	2014-2015 (10)	2015-2016 (11)	2016-2017 (12)
11. Pear						
Sown	Acre	3	3	3	2	2
Harvested	Acre	2	2	2	2	2
Production	Viss	10244	9626	9827	8655	10141
12. Damson						
Sown	Acre	4	4	4	4	4
Harvested	Acre	3	3	3	3	3
Production	Viss	8930	21441	8023	10759	9910
13. Walnut						
Sown	Acre	10	11	11	11	11
Harvested	Acre	6	7	7	6	6
Production	Viss	5173	6203	7686	7744	7955
14. Cashewnut						
Sown	Acre	220	216	216	219	216
Harvested	Acre	149	148	151	158	151
Production	Viss	34426	34549	31380	42392	48958
15. Plums						
Sown	Acre	54	54	54	54	56
Harvested	Acre	52	52	52	52	54
Production	Viss	187970	190531	187807	200625	202563
16. Chestnut						
Sown	Acre	*	*	*	*	1
Harvested	Acre	*	*	*	*	*
Production	Viss	251	273	270	319	320
17. Tamarind						
Sown	Acre	47	47	47	46	48
Harvested	Acre	44	45	45	44	45
Production	Viss	88868	88242	94551	90675	112170
18. Strawberry						
Sown	Acre	*	19	*	*	*
Harvested	Acre	*	15	*	*	*
Production	Viss	974	874	974	927	982
19. Others						
Sown	Acre	676	667	689	690	689
Harvested	Acre	509	502	522	535	530
Total						
Sown	Acre	1454	1465	1474	1488	1498
Harvested	Acre	1132	1145	1162	1182	1183

Note:* Less than one unit.

Source : Department of Agricultural Land Management and Statistics.

Table 3.09 Sown Area, Harvested Area and Production of Vegetables

(In Thousand)

Crop (1)	Unit (2)	2007-2008 (3)	2008-2009 (4)	2009-2010 (5)	2010-2011 (6)	2011-2012 (7)
Total						
Sown	Acre	1189	1254	1297	1339	1329
Harvested	Acre	1189	1254	1297	1339	1329
1. Cabbage						
Sown	Acre	70	70	72	75	80
Harvested	Acre	70	70	72	75	80
Production	Viss	274811	275118	246238	277469	288582
2. Cauliflower						
Sown	Acre	58	60	62	66	66
Harvested	Acre	58	60	62	66	66
Production	Viss	189995	192671	198230	210141	204405
3. Lettuce						
Sown	Acre	19	21	23	24	26
Harvested	Acre	19	21	23	24	26
Production	Viss	31884	34763	40409	43077	45600
4. Mustard (Leaf)						
Sown	Acre	82	84	90	95	94
Harvested	Acre	82	84	90	95	94
Production	Viss	141400	145941	154579	171134	181150
5. Tomato						
Sown	Acre	262	272	273	277	266
Harvested	Acre	262	272	273	277	266
Production	Viss	756651	790515	806997	810713	786463
6. Carrot						
Sown	Acre	6	6	7	6	7
Harvested	Acre	6	6	7	6	7
Production	Viss	14321	15587	16871	12111	15797
7. Radish						
Sown	Acre	49	52	57	56	56
Harvested	Acre	49	52	57	56	56
Production	Viss	152559	166564	183639	180526	171750
8. Watermelon						
Sown	Acre	37	42	45	47	41
Harvested	Acre	37	42	45	47	41
Production	Viss	124802	140199	150119	151300	131466
9. Gourd						
Sown	Acre	47	49	56	55	56
Harvested	Acre	47	49	56	55	56
Production	Viss	135549	133878	156986	153657	155286
10. Asparagus						
Sown	Acre	1	1	1	1	1
Harvested	Acre	1	1	1	1	1
Production	Viss	936	863	1968	2012	1390
11. Others						
Sown	Acre	558	597	611	637	637
Harvested	Acre	558	597	611	637	635

Table 3.09 Sown Area, Harvested Area and Production of Vegetables (Concl'd)

(In Thousand)

Crop (1)	Unit (2)	2012-2013 (3)	2013-2014 (4)	2014-2015 (5)	2015-2016 (6)	2016-2017 (7)
Total						
Sown	Acre	1338	1366	1395	1403	1412
Harvested	Acre	1337	1365	1394	1399	1411
1. Cabbage						
Sown	Acre	77	75	78	77	79
Harvested	Acre	77	75	77	77	79
Production	Viss	290767	288752	292098	299664	303807
2. Cauliflower						
Sown	Acre	67	65	67	70	68
Harvested	Acre	67	65	67	70	68
Production	Viss	231063	226324	237402	241612	254003
3. Lettuce						
Sown	Acre	29	28	26	29	32
Harvested	Acre	29	28	26	29	32
Production	Viss	47056	48085	45322	55343	60499
4. Mustard (Leaf)						
Sown	Acre	91	91	85	88	89
Harvested	Acre	91	91	84	88	89
Production	Viss	171910	183711	146711	167903	189706
5. Tomato						
Sown	Acre	273	279	272	281	278
Harvested	Acre	273	279	272	280	278
Production	Viss	845419	845028	822552	808335	812768
6. Carrot						
Sown	Acre	7	7	6	5	5
Harvested	Acre	7	7	6	5	5
Production	Viss	14425	13257	10165	9413	9278
7. Radish						
Sown	Acre	55	52	54	56	57
Harvested	Acre	55	52	54	56	57
Production	Viss	158539	154740	167095	167184	164894
8. Watermelon						
Sown	Acre	38	45	51	53	60
Harvested	Acre	38	45	51	53	60
Production	Viss	113779	141337	144664	165737	177190
9. Gourd						
Sown	Acre	58	56	57	58	57
Harvested	Acre	58	56	57	58	57
Production	Viss	161378	172886	163568	165841	162840
10. Asparagus						
Sown	Acre	1	2	1	2	2
Harvested	Acre	1	2	1	2	2
Production	Viss	1520	2269	2041	1968	3425
11. Others						
Sown	Acre	642	666	698	684	685
Harvested	Acre	641	665	698	681	684

Source : Department of Agricultural Land Management and Statistics

Table 3.10 Production of Meat

(Thousand Viss)

Description (1)	Sector (2)	2007-08 (3)	2008-09 (4)	2009-10 (5)	2010-11 (6)	2011-12 (7)	2012-13 (8)	2013-14 (9)	2014-15 (10)	2015-16 (11)	2016-17 (12)
Total Meat	State	4199	3660	4391	12495	3236	3008	13885	13465	13858	4091
	Private	859120	947120	1093787	1197295	1269205	1392367	1525510	1685396	1811939	1850811
	Co-operative	2331	2683	3482	3909	4189	4559	5092	5300	5820	6000
Beef	State	94	157	171	151	118	70	78	66	285	183
	Private	97663	108212	127387	142418	154400	168982	184333	200671	220377	230081
	Co-operative	451	598	779	930	1006	1106	1398	1549	1626	1775
Mutton	State	61	47	57	70	35	56	32	40	49	58
	Private	16312	17946	22152	25074	28458	31785	35652	40636	47124	48498
	Co-operative	264	315	536	542	605	637	697	666	794	858
Pork	State	1757	1082	1045	919	770	762	845	446	664	1092
	Private	251535	285897	324968	355896	376600	409154	451693	508447	534193	540449
	Co-operative	1045	1195	1464	1636	1756	1907	2004	2009	2248	2277
Fowl	State	1918	2148	2846	11051	1963	1617	12463	12737	12765	2715
	Private	444907	485871	561780	610262	643570	708369	774865	850750	921526	942366
	Co-operative	569	573	701	799	819	907	990	1073	1148	1088
Duck	State	340	226	272	304	350	503	467	175	95	43
	Private	45420	45923	53972	59812	62050	69754	74402	79002	82393	83027
	Co-operative	2	2	2	2	3	2	3	3	4	2
Turkey, Geese, Muscovy Duck	State	29	-	-	-	-	-	-	1	-	-
	Private	3283	3271	3528	3833	4127	4323	4565	5890	6326	6390
	Co-operative	4	3	3	1	-	-	-	-	-	-

Sources: (1) Livestock Breeding and Veterinary Department.
(2) Prison Department.
(3) Office of the Ministry of Defence.
(4) Department of Agriculture.
(5) Co-operative Department.

Table 3.11 Production of Egg

(Thousand Number)

Description (1)	2007-08 (2)	2008-09 (3)	2009-10 (4)	2010-11 (5)	2011-12 (6)	2012-13 (7)	2013-14 (8)	2014-15 (9)	2015-16 (10)	2016-17 (11)
Fowl Egg										
State	58868	68156	71204	59011	54469	45651	59270	88129	55355	107708
Private	4831209	5580323	6505997	7029975	7500070	8162187	8886199	9690679	10512965	11141881
Co-operative	25596	32776	35850	37168	40314	39606	44852	48892	47802	45695
Duck Egg										
State	6407	3313	2372	4125	8967	10051	7228	4451	3206	1857
Private	533499	541081	624356	697124	726800	792527	873868	933788	996952	1020872
Co-operative	294	212	296	233	128	160	212	211	235	207

Sources: (1) Livestock Breeding and Veterinary Department.
(2) Prison Department.
(3) Office of the Ministry of Defence.
(4) Co-operative Department.
(5) Department of Agriculture.

Table 3.12 Production of Feather and Leather (Private Sector)

Description (1)	2007-08 (2)	2008-09 (3)	2009-10 (4)	2010-11 (5)	2011-12 (6)	2012-13 (7)	2013-14 (8)	2014-15 (9)	2015-16 (10)	2016-17 (11)
Feather Production (Thousand Pound)	2190	2365	2642	3025	3321	3506	3719	4021	4287	4272
Leather Production (Thousand Number)										
1 Hide and Skin	1403	1521	1722	1868	2037	2150	2297	2477	2682	2794
2 Skin (Goat and Sheep)	2374	2566	2896	3175	3475	3740	4041	4457	4925	5544

Source: Livestock Breeding and Veterinary Department.

Table 3.13 Production of Honey and value added Honey and Bee-Products

(Metric Ton)

Description (1)	2007-2008 (2)	2008-2009 (3)	2009-2010 (4)	2010-2011 (5)	2011-2012 (6)	2012-2013 (7)	2013-2014 (8)	2014-2015 (9)	2015-2016 (10)	2016-2017 (11)
Production of Honey										
State	100.00	150.00	200.00	210.50	195.02	188.62	99.39	-	-	-
Private	700.00	1474.36	1458.18	1451.45	2005.48	2291.61	2908.44	3572.78	4394.59	3907.81
Production of value added Honey and Bee-Products										
Medicated Substance										
State	6.21	2.51	3.93	23.13	25.01	44.73	0.45	-	-	-
Private	-	-	-	19.11	97.26	80.37	39.81	36.67	25.54	48.39
Food Stuff										
State	91.90	41.56	41.72	32.13	34.80	16.94	1.20	-	-	-
Private	-	-	-	-	7.66	8.17	3.80	16.55	5.16	5.49

Source: Livestock Breeding and Veterinary Department.

Table 3.14 Production of Pearl and Shell

Description (1)	2007-2008 (2)	2008-2009 (3)	2009-2010 (4)	2010-2011 (5)	2011-2012 (6)	2012-2013 (7)	2013-2014 (8)	2014-2015 (9)	2015-2016 (10)	2016-2017 (11)
Pearl (Momme)	235895	238745	229951	291694	290985	302543	351641	424628	433612	512334
Shell (Ton)	138	131	93	75	106	134	160	157	137	161

Source: Myanmar Pearl Enterprise.

Table 3.15 Fresh Water Fisheries by States and Regions

(Thousand Viss)

S.N (1)	States and Regions (2)	2007-2008 (3)	2008-2009 (4)	2009-2010 (5)	2010-2011 (6)	2011-2012 (7)
	Total					
	Aquaculture	420857	466715	525563	508254	550521
	Leasable	116172	127570	145326	153025	173086
	Open	382768	422102	468159	558828	590238
1	Naypyitaw					
	Aquaculture	-	-	-	-	-
	Leasable	-	-	-	-	-
	Open	-	-	-	-	-
2	Kachin State					
	Aquaculture	1132	1271	1397	1458	1440
	Leasable	4897	5657	5984	6362	6449
	Open	7613	8793	9293	10086	9268
3	Kayah State					
	Aquaculture	152	161	177	218	228
	Leasable	-	-	-	-	-
	Open	357	390	428	498	501
4	Kayin State					
	Aquaculture	457	488	554	606	659
	Leasable	1360	1365	1474	1603	1730
	Open	5324	5700	6211	6878	7420
5	Chin State					
	Aquaculture	130	144	160	172	184
	Leasable	-	-	-	-	-
	Open	434	476	506	560	610
6	Sagaing Region					
	Aquaculture	7043	7213	8204	8945	9248
	Leasable	15503	16504	17574	18954	22424
	Open	25225	26672	27909	29365	35163
7	Tanintharyi Region					
	Aquaculture	2510	2686	2538	2485	2555
	Leasable	-	-	130	235	242
	Open	8163	9761	13742	16724	19077
8	Bago Region					
	Aquaculture	38445	42854	48747	51836	55163
	Leasable	46653	51345	59725	63607	71953
	Open	77494	81301	88657	94903	107891
9	Magway Region					
	Aquaculture	751	861	998	1105	315
	Leasable	2422	2696	3366	3629	3986
	Open	3736	4078	4929	5346	6635
10	Mandalay Region					
	Aquaculture	9588	10404	12619	12941	13058
	Leasable	15554	16395	17902	19369	19570
	Open	9773	10762	11741	13541	13938
11	Mon State					
	Aquaculture	2233	2275	2262	1877	1952
	Leasable	3417	3641	4750	4558	5541
	Open	21241	28700	38289	42119	47547
12	Rakhine State					
	Aquaculture	20257	22425	22425	18570	17816
	Leasable	-	-	-	-	-
	Open	4917	5587	5835	6539	7404
13	Yangon Region					
	Aquaculture	121738	125691	146595	154418	166113
	Leasable	1226	1294	1376	1478	1641
	Open	16883	18582	20265	28957	32017
14	Shan State					
	Aquaculture	2497	2895	3489	3735	3855
	Leasable	1016	1035	1757	1948	1928
	Open	428	483	516	582	622
15	Ayeyarwady Region					
	Aquaculture	213924	247347	275398	249888	277935
	Leasable	24124	27638	31288	31282	37622
	Open	201179	220817	239838	302730	302145

Table 3.15 Fresh Water Fisheries by States and Regions (Concl'd)

(Thousand Viss)

S.N (1)	States and Regions (2)	2012-2013 (8)	2013-2014 (9)	2014-2015 (10)	2015-2016 (11)	2016-2017 (12)
	Total					
	Aquaculture	569152	590506	612168	621228	642215
	Leasable	177593	186438	193127	207411	207742
	Open	620338	659301	702884	760583	766186
1	Naypyitaw					
	Aquaculture	581	692	685	603	710
	Leasable	377	428	409	421	430
	Open	1539	1640	1643	1667	1671
2	Kachin State					
	Aquaculture	1476	1512	1555	2240	1669
	Leasable	6582	6722	6830	6980	7141
	Open	10504	10763	11047	11551	11400
3	Kayah State					
	Aquaculture	275	289	319	352	357
	Leasable	-	-	-	-	-
	Open	531	537	539	590	599
4	Kayin State					
	Aquaculture	717	768	845	930	974
	Leasable	1882	2034	2229	2447	2459
	Open	8073	8740	9571	10489	10536
5	Chin State					
	Aquaculture	200	284	297	333	336
	Leasable	-	-	-	-	-
	Open	655	836	848	932	962
6	Sagaing Region					
	Aquaculture	10043	11011	11969	13258	12911
	Leasable	22987	23335	24957	27031	26956
	Open	36174	36358	40918	44336	43275
7	Tanintharyi Region					
	Aquaculture	2843	3057	3322	3518	3889
	Leasable	300	305	319	319	320
	Open	21036	22680	24497	27056	27513
8	Bago Region					
	Aquaculture	55108	56339	57947	57857	60373
	Leasable	73538	78682	81253	90885	90636
	Open	110484	117798	122977	138168	138315
9	Magway Region					
	Aquaculture	321	323	326	341	349
	Leasable	4029	4061	4075	4132	4139
	Open	6695	6746	6769	6878	6892
10	Mandalay Region					
	Aquaculture	12552	12592	12667	12718	13970
	Leasable	19371	19511	19671	19974	20011
	Open	12687	12901	13111	13357	13380
11	Mon State					
	Aquaculture	1871	2053	2176	2373	2365
	Leasable	4327	4389	4446	4477	4490
	Open	45158	45682	46762	47008	47381
12	Rakhine State					
	Aquaculture	17807	18465	18728	19043	19505
	Leasable	-	-	-	-	-
	Open	7386	7552	6618	6687	6660
13	Yangon Region					
	Aquaculture	178489	190013	202460	208499	205998
	Leasable	1831	2047	2018	2437	2445
	Open	35739	39043	41444	48212	48744
14	Shan State					
	Aquaculture	3936	4067	4202	4349	4476
	Leasable	1989	2025	2112	2185	2123
	Open	647	676	699	728	771
15	Ayeyarwady Region					
	Aquaculture	282933	289041	294670	294814	314333
	Leasable	40380	42899	44808	46123	46592
	Open	323030	347349	375441	402924	406087

Source: Department of Fisheries.

Table 3.16 Production of Fisheries

(Thousand Viss)

Description (1)	2007-08 (2)	2008-09 (3)	2009-10 (4)	2010-11 (5)	2011-12 (6)	2012-13 (7)	2013-14 (6)	2014-15 (8)	2015-16 (9)	2016-17 (10)
Fresh Water Fisheries	919797	1024907	1139048	1220107	1313900	1367083	1436162	1508179	1589222	1616143
Aquaculture	420857	474455	525563	508254	550574	569152	590422	612168	621228	642215
Leasable Fisheries	116172	128350	145326	153025	173087	177593	186438	193127	207411	207742
Open Fisheries	382768	422102	468159	558828	590239	620338	659302	702884	760583	766186
Marine Fisheries	1034131	1142916	1261196	1327930	1428618	1521109	1654843	1747898	1835191	1859487
In-shore Fishing	382628	422879	466643	491334	528589	562810	612291	646722	679021	688010
Off-shore Fishing	651502	720037	794553	836596	900029	958299	1042551	1101176	1156170	1171477

Source: Department of Fisheries.

Table 3.17 Area of Hatcheries and Seed Production

Description (1)	2007-08 (2)	2008-09 (3)	2009-10 (4)	2010-11 (5)	2011-12 (6)	2012-13 (7)	2013-14 (6)	2014-15 (8)	2015-16 (9)	2016-17 (10)
Area of Hatcheries(Acre)	739	741	741	778	779	779	810	809	809	851
Fingerlings distribution (000 Nos)	743380	708313	736760	796253	750370	789623	551406	575412	608698	644092

Source: Department of Fisheries.

Table 3.18 Production of Fish Fingerlings

(Million Numbers)

S.N (1)	Particulars (2)	2007-08 (3)	2008-09 (4)	2009-10 (5)	2010-11 (6)	2011-12 (7)	2012-13 (8)	2013-14 (9)	2014-15 (10)	2015-16 (11)	2016-17 (12)
	Total	7433.80	7083.12	7367.63	7962.53	7503.70	7896.23	5514.06	5754.12	6086.98	6440.92
1	Nga Myit Chin (Rohu)	5418.23	5307.33	5272.6	4601.79	5354.09	5492.01	3848.61	3975.69	4196.00	4556.31
2	Shwe Wa Ngagyin	708.70	567.83	773.70	838.82	492.23	455.79	419.14	387.51	359.81	467.95
3	Myetsa Ngagyin	63.36	58.81	41.70	83.97	38.33	134.00	55.98	54.83	53.78	70.74
4	Nga Gaung Pwa(Catla)	60.89	49.50	51.90	117.33	65.47	96.37	70.54	69.76	68.77	91.91
5	Ngagyin Phyu (Mrigal Carp)	33.89	18.25	28.50	66.52	45.54	60.87	28.54	22.75	31.90	47.35
6	Tilapia	133.75	129.99	200.60	183.63	178.83	130.63	135.71	114.92	117.92	154.46
7	Ngwe Yaung (Silver Carp)	30.32	32.44	33.80	56.29	68.94	52.46	55.33	47.15	41.46	64.32
8	Gaung Gyi(Bighead Carp)	21.10	23.00	21.93	38.00	35.39	23.05	27.85	22.03	28.30	21.24
9	Nga Khu(Welsing Catfish)	-	-	-	-	0.50	-	-	0.01	-	-
10	Nga Dan (Striped Catfish)	117.24	100.76	46.60	93.84	56.60	89.76	71.11	56.75	77.87	83.01
12	Nga Khone Ma	752.93	687.12	862.30	1814.39	1127.61	1278.63	734.78	895.41	1008.79	791.20
13	Nga Phan Ma	-	-	-	-	-	-	-	1.05	-	0.55
15	Nga Moke	93.39	108.09	32.9	67.33	36.90	76.33	55.69	73.25	82.65	78.10
16	Bee lar	-	-	-	0.60	0.20	-	-	-	1.70	1.86
17	Sui Tan	-	-	-	-	0.04	-	0.60	-	-	-
18	Nga kyi	-	-	-	-	3.00	2.50	1.00	0.50	1.00	1.10
19	Nga U Done	-	-	-	-	-	0.65	-	-	-	-
20	Nga Dane	-	-	-	-	-	1.00	-	-	0.50	1.00
21	Nga Tha Launt	-	-	-	-	-	-	5.65	16.00	5.50	2.20
22	Nga Phane	-	-	-	-	0.03	2.18	3.53	16.51	11.03	6.10
23	Nga Net pyar	-	-	0.50	-	-	-	-	-	-	-
24	Nga Tyne	-	-	0.60	-	-	-	-	-	-	1.52
25	Vietnum Nga Dan	-	-	-	0.02	-	-	-	-	-	-

Source : Department of Fisheries.

Table 3.19 Production of Leasable Fisheries

Description (1)	Unit (2)	2007-08 (3)	2008-09 (4)	2009-10 (5)	2010-11 (6)	2011-12 (7)	2012-13 (8)	2013-14 (9)	2014-15 (10)	2015-16 (11)	2016-17 (12)
Number of Leasable Fisheries	Nos.	3460	3453	3451	3458	3415	3409	3290	3314	3310	3299
Production of Leasable Fisheries	(000) Viss	116172	128350	145326	153025	173087	177593	186438	193127	207411	207742

Source: Department of Fisheries.

Table 3.20 Area and Production of Fish Ponds

Description (1)	Unit (2)	2007-08 (3)	2008-09 (4)	2009-10 (5)	2010-11 (6)	2011-12 (7)	2012-13 (8)	2013-14 (9)	2014-15 (10)	2015-16 (11)	2016-17 (12)
Area of Fish Pond	Acre	442360	444236	447329	448608	450280	451535	452165	457538	479743	489382
Production of Fish Pond	(000) Viss	420857	474455	525563	508254	550574	569139	590422	612168	621228	642215

Source: Department of Fisheries.

Table 3.21 Fish Culture Ponds by States and Regions

S.N (1)	States and Regions (2)	2007-2008		2008-2009		2009-2010		2010-2011		2011-2012	
		Number (3)	Acre (4)	Number (5)	Acre (6)	Number (7)	Acre (8)	Number (9)	Acre (10)	Number (11)	Acre (12)
	Total	19395	215373	19308	215930	19459	217836	19450	218747	18934	220171
1	Nay Pyi Taw	-	-	-	-	-	-	-	-	-	-
2	Kachin State	282	1222	299	1408	313	1492	331	1938	339	1910
3	Kayah State	92	400	105	510	105	629	105	638	105	673
4	Kayin State	256	396	78	399	78	400	78	400	78	400
5	Chin State	126	101	126	101	126	101	128	108	128	107
6	Sagaing Region	1251	4569	1249	4569	1299	4794	1297	5159	1334	5465
7	Tanintharyi Region	27	329	29	341	30	351	30	351	22	922
8	Bago Region	5584	26354	5521	26276	5515	25888	5480	25748	4904	26003
9	Magway Region	271	419	271	419	272	426	274	430	272	425
10	Mandalay Region	1009	6205	1020	6411	1058	6783	1060	6898	1092	7154
11	Mon State	142	848	141	884	141	894	145	920	150	969
12	Rakhine State	-	-	-	-	-	-	-	-	-	-
13	Yangon Region	4991	59870	4988	59835	4991	59870	4988	59870	4988	59864
14	Shan State	1321	3107	1445	3268	1443	3298	1444	3377	1444	3387
15	Ayeyarwady Region	4043	111553	4036	111509	4088	112909	4090	112909	4078	112892

Table 3.21 Fish Culture Ponds by States and Regions (Concl'd)

S.N	States and Regions	2012-2013		2013-2014		2014-2015		2015-2016		2016-2017	
		Number	Acre	Number	Acre	Number	Acre	Number	Acre	Number	Acre
(1)	(2)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
	Total	20337	221395	20426	222028	20410	232515	20546	239671	21181	245807
1	Nay Pyi Taw	46	162	47	171	47	171	47	171	48	175
2	Kachin State	349	1990	360	2168	369	2313	369	2312	369	2312
3	Kayah State	122	748	123	760	147	798	151	819	161	893
4	Kayin State	84	464	84	464	91	589	142	676	153	711
5	Chin State	596	296	597	296	597	296	597	296	597	296
6	Sagaing Region	1405	5809	1453	6023	1595	6374	1817	7128	1928	7580
7	Tanintharyi Region	22	923	22	923	32	1065	36	1120	36	1120
8	Bago Region	5666	26009	5667	26014	5688	27158	5710	28324	5817	31121
9	Magway Region	272	425	271	425	271	425	271	425	271	425
10	Mandalay Region	1104	7416	1130	7624	1132	7609	1205	7970	1201	7902
11	Mon State	150	969	151	975	152	979	156	995	156	995
12	Rakhine State	1	20	1	20	1	20	1	20	1	20
13	Yangon Region	4988	59864	4988	59864	4539	65848	4188	66014	4248	67038
14	Shan State	1454	3408	1454	3409	1454	3408	1454	3408	1454	3408
15	Ayeyarwady Region	4078	112892	4078	112892	4295	115462	4402	119993	4741	121811

Source: Department of Fisheries.

Table 3.22 Shrimp Culture Ponds by States and Regions

S.N	States and Regions	2007-2008		2008-2009		2009-2010		2010-2011		2011-2012	
		Number	Acre	Number	Acre	Number	Acre	Number	Acre	Number	Acre
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
	Total	11549	225725	11537	224656	11846	224868	11850	224950	11849	228297
1	Nay Pyi Taw	-	-	-	-	-	-	-	-	-	-
2	Kachin State	-	-	-	-	-	-	-	-	-	-
3	Kayah State	-	-	-	-	-	-	-	-	-	-
4	Kayin State	5	80	5	80	5	80	5	80	5	80
5	Chin State	-	-	-	-	-	-	-	-	-	-
6	Sagaing Region	-	-	-	-	-	-	-	-	-	-
7	Tanintharyi Region	14	791	15	821	15	821	15	821	15	4141
8	Bago Region	1	12	1	12	1	12	1	12	-	40
9	Magway Region	-	-	-	-	-	-	-	-	-	-
10	Mandalay Region	-	-	-	-	-	-	-	-	-	-
11	Mon State	39	1125	39	1125	39	1125	39	1125	39	1125
12	Rakhine State	9633	155533	9633	155533	9633	155533	9633	155533	9633	155533
13	Yangon Region	189	11329	176	10229	176	10229	176	10229	176	10229
14	Shan State	-	-	-	-	-	-	-	-	-	-
15	Ayeyarwady Region	1668	56855	1668	56855	1977	57067	1981	57149	1981	57149

Table 3.22 Shrimp Culture Ponds by States and Regions (Concl'd)

S.N	States and Regions	2012-2013		2013-2014		2014-2015		2015-2016		2016-2017	
		Number	Acre	Number	Acre	Number	Acre	Number	Acre	Number	Acre
(1)	(2)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
	Total	11849	228297	11848	228296	11909	236638	11916	238331	11980	241718
1	Nay Pyi Taw	-	-	-	-	-	-	-	-	-	-
2	Kachin State	-	-	-	-	-	-	-	-	-	-
3	Kayah State	-	-	-	-	-	-	-	-	-	-
4	Kayin State	5	80	5	80	5	80	6	130	6	130
5	Chin State	-	-	-	-	-	-	-	-	-	-
6	Sagaing Region	-	-	-	-	-	-	-	-	-	-
7	Tanintharyi Region	15	4141	14	4140	14	4140	13	4138	13	4138
8	Bago Region	-	40	-	40	-	40	-	40	-	40
9	Magway Region	-	-	-	-	-	-	-	-	-	-
10	Mandalay Region	-	-	-	-	-	-	-	-	-	-
11	Mon State	39	1125	39	1125	39	1125	39	1125	39	1125
12	Rakhine State	9633	155533	9633	155533	9633	155533	9633	156489	9633	156489
13	Yangon Region	176	10229	176	10229	226	17829	231	18442	236	18916
14	Shan State	-	-	-	-	-	-	-	-	-	-
15	Ayeyarwady Region	1981	57149	1981	57149	1992	57891	1994	57968	2053	60880

Source: Department of Fisheries.

Table 3.23 Fish Fry Distribution of Fisheries Department by Fish Breeding Farm

S.N	Station	2007-2008					2008-2009				
		Fish Breeding Pond		Production	Replenish	Distribution	Fish Breeding Pond		Production	Replenish	Distribution
		Number	Acre	(000 No)	(000 No)	(000 No)	Number	Acre	(000 No)	(000 No)	(000 No)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
	Total	1010	739	743380	191874	551506	1008	764	708312	216998	491314
I	Nay Pyi Taw	70	23	58046	9733	48313	70	23	59292	13233	46059
	1.Pyinmana	70	23	58046	9733	48313	70	23	59292	13233	46059
II	Kachin State	34	23	7749	4058	3691	34	23	7061	4214	2847
	1.Bamaw	8	3	3977	1295	2682	8	3	3187	1379	1808
	2.Wynnmaw	26	20	3772	2763	1009	26	20	3874	2835	1039
III	Kayin	-	-	312	312	-	7	6	633	351	282
	1.Phaan	-	-	312	312	-	7	6	633	351	282
IV	Sagaing Region	108	31	31906	11664	20242	108	31	22063	7088	14975
	1.Shwe Bo	20	9	8321	3778	4543	20	9	6732	3755	2977
	2.Ye Oo	75	20	21071	7819	13252	75	20	12728	3100	9628
	3.Htee Chaint	13	2	2514	67	2447	13	2	2603	233	2370
V	Bago Region	176	144	80862	25933	54929	176	144	63123	25423	37700
	1.Bago	82	22	44180	14362	29818	82	22	36216	12723	23493
	2.Thanatpin	70	108	15618	5253	10365	70	108	13512	5117	8395
	3.Okpo	24	14	21064	6318	14746	24	14	13395	7583	5812
VI	Magway Region	16	8	5003	3710	1293	16	8	5300	4825	475
	1.Taungdwingyi	8	4	4183	3331	852	8	4	3645	3440	205
	2.Pwint Phyu	8	4	820	379	441	8	4	1655	1385	270
VII	Mandalay Region	293	138	246801	39919	206882	293	161	241482	36083	205399
	1.Patheingyi	114	28	82630	10655	71975	114	28	82883	8510	74373
	2.Myitthar	122	45	76627	16100	60527	122	45	81374	18100	63274
	3.Natyakan	33	45	59147	11134	48013	33	45	59028	7010	52018
	4.Mattayer	24	20	28397	2030	26367	24	20	18197	2463	15734
VIII	Mon State	8	4	9303	3590	5713	8	4	6815	1835	4980
	1.Thahton	8	4	9303	3590	5713	8	4	6815	1835	4980
IX	Yangon Region	155	157	178993	58717	120276	155	157	216947	80480	136467
	1.Hlawga	65	56	90354	30678	59676	65	56	90556	30660	59896
	2.Twantay	42	79	52131	23347	28783	42	79	87150	45100	42050
	3.Lay Daungh Kan	48	23	36508	4692	31817	48	23	39241	4720	34521
X	Shan State	21	10	3594	2503	1091	12	7	6254	5744	510
	1.Larshio	9	3	325	325	-	-	-	-	-	-
	2.Naung Shwe	12	7	3269	2178	1091	12	7	6254	5744	510
XI	Ayeyarwady Region	129	200	120811	31735	89076	129	200	79342	37722	41620
	1.Pathein	38	27	18854	8254	10600	38	27	11199	9079	2120
	2.Hinthada	18	9	14733	4431	10302	18	9	5955	4525	1430
	3.Talokehla	28	89	27385	5825	21560	28	89	19243	6543	12700
	4.Aung Hait	22	46	25275	5225	20050	22	46	18563	6963	11600
	5.Pantanaw	23	30	34564	8000	26564	23	30	24382	10612	13770

Table 3.23 Fish Fry Distribution of Fisheries Department by Fish Breeding Farm (Cont'd)

S.N	Station	2009-2010					2010-2011				
		Fish Breeding Pond		Production	Replenish	Distribution	Fish Breeding Pond		Production	Replenish	Distribution
		Number	Acre	(000 No)	(000 No)	(000 No)	Number	Acre	(000 No)	(000 No)	(000 No)
(1)	(2)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
	Total	1008	742	736763	224257	512506	1028	777	793252	263790	532462
I	Nay Pyi Taw	70	23	69200	14652	54548	70	23	78660	28061	50599
	1.Pyinmana	70	23	69200	14652	54548	70	23	78660	28061	50599
II	Kachin State	34	23	9754	5765	3989	39	26	19011	10923	8088
	1.Bamaw	8	3	3531	1480	2051	13	6	9752	5695	4057
	2.Wynnmaw	26	20	6223	4285	1938	26	20	9259	5228	4031
III	Kayin	7	6	668	363	305	20	12	3517	2237	1280
	1.Phaan	7	6	668	363	305	20	12	3517	2237	1280
IV	Sagaing Region	108	31	29092	8574	20518	115	37	23655	9876	16779
	1.Shwe Bo	20	9	7629	3896	3733	20	9	10617	4467	6150
	2.Ye Oo	75	20	17660	4360	13300	75	20	10329	5090	5239
	3.Htee Chaint	13	2	3803	318	3485	20	8	2709	319	5390
V	Bago Region	176	144	91194	53731	37463	180	175	68227	22077	46150
	1.Bago	82	22	43127	25646	17481	70	23	40089	12220	27869
	2.Thanatpin	70	108	27060	14925	12135	81	135	15441	4840	10601
	3.Okpo	24	14	21007	13160	7847	29	17	12697	5017	7680
VI	Magway Region	16	8	7329	6100	1229	16	8	8584	6488	2096
	1.Taungdwingyi	8	4	4947	4025	922	8	4	5519	4355	1164
	2.Pwint Phyu	8	4	2382	2075	307	8	4	3065	2133	932
VII	Mandalay Region	293	138	244431	34463	209968	272	138	294861	85905	208956
	1.Patheingyi	114	28	84290	7985	76305	93	28	97871	37465	60406
	2.Myitthar	122	45	79644	15900	63744	122	45	110999	28000	82999
	3.Natyakan	33	45	59472	7485	51987	33	45	58951	16790	42161
	4.Mattayer	24	20	21025	3093	17932	24	20	27040	3650	23390
VIII	Mon State	8	4	3475	1750	1725	12	6	5129	2076	3053
	1.Thahton	8	4	3475	1750	1725	12	6	5129	2076	3053
IX	Yangon Region	155	158	163121	62915	100206	139	107	186761	61371	125390
	1.Hlawga	65	56	91456	33509	57947	64	56	101801	34040	67761
	2.Twantay	42	79	31396	21095	10301	27	28	44490	20320	24170
	3.Lay Daungh Kan	48	23	40269	8311	31958	48	23	40470	7011	33459
X	Shan State	12	7	3226	2367	859	15	8	3067	1896	1171
	1.Larshio	-	-	-	-	-	-	-	-	-	-
	2.Naung Shwe	12	7	3226	2367	859	15	8	3067	1896	1171
XI	Ayeyarwady Region	129	200	115273	33577	81696	150	237	101780	32880	68900
	1.Pathein	38	27	26334	9294	17040	38	27	20893	9508	11385
	2.Hinthada	18	9	10080	4015	6065	18	9	9631	4252	5379
	3.Talokehla	28	89	26865	6600	20265	28	89	10820	4710	6110
	4.Aung Hait	22	45	22031	4500	17531	22	45	25203	5042	20161
	5.Pantanaw	23	30	29963	9168	20795	44	67	35233	9368	25865

Table 3.23 Fish Fry Distribution of Fisheries Department by Fish Breeding Farm (Cont'd)

S.N	Station	2011-2012					2012-2013				
		Fish Breeding Pond		Production	Replenish	Distribution	Fish Breeding Pond		Production	Replenish	Distribution
		Number	Acre	(000 No)	(000 No)	(000 No)	Number	Acre	(000 No)	(000 No)	(000 No)
(1)	(2)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)
	Total	1029	778	750300	268005	482364	1029	778	789823	172351	617272
I	Nay Pyi Taw	70	23	100070	46070	54000	70	23	56295	8918	47377
	1.Pyinmana	70	23	100070	46070	54000	70	23	56295	8918	47377
II	Kachin State	39	26	13629	8407	5222	39	26	16736	9636	7100
	1.Bamaw	13	20	8088	5732	2356	13	6	6870	2685	4185
	2.Wynnmaw	26	6	5541	2675	2866	26	20	9866	6951	2915
III	Kayin	20	12	2197	1681	516	20	12	1998	1394	604
	1.Phaan	20	12	2197	1681	516	20	12	1998	1394	604
IV	Sagaing Region	115	37	23988	10073	13914	115	37	21375	2668	18707
	1.Shwe Bo	20	9	5353	2620	2733	20	9	6452	1090	5362
	2.Ye Oo	75	20	11815	5290	6524	75	20	10293	1161	9132
	3.Htee Chaint	20	8	6820	2163	4657	20	8	4630	417	4213
V	Bago Region	180	175	69698	26858	42840	180	175	74165	14615	59550
	1.Bago	70	23	39964	13908	26056	70	23	40343	7527	32816
	2.Thanatpin	81	135	15156	6430	8726	81	135	17098	3481	13617
	3.Okpo	29	17	14578	6520	8058	29	17	16724	3607	13117
VI	Magway Region	16	8	7502	5550	1952	16	8	10662	8380	2282
	1.Taungdwingyi	8	4	4552	3535	1017	8	4	5279	4080	1199
	2.Pwint Phyu	8	4	2950	2015	935	8	4	5383	4300	1083
VII	Mandalay Region	272	138	214438	44496	169942	272	138	290900	58175	232725
	1.Patheingyi	93	28	82420	23495	58925	93	28	87519	13860	73659
	2.Myitthar	122	45	77224	11241	65983	122	45	99660	25590	74070
	3.Natyakan	33	45	37111	6635	30476	33	45	78626	11900	66726
	4.Mattayer	24	20	17683	3125	14558	24	20	25095	6825	18270
VIII	Mon State	13	7	6713	2715	3998	13	6	7100	4302	2798
	1.Thahton	13	7	6713	2715	3998	13	6	7100	4302	2798
IX	Yangon Region	139	107	180268	78356	101912	139	107	177925	29150	148775
	1.Hlawga	64	56	81844	28865	52979	64	56	80445	5202	75243
	2.Twantay	27	28	47555	36525	11030	27	28	37638	13610	24028
	3.Lay Daungh Kan	48	23	50869	12966	37903	48	23	59842	10338	49504
X	Shan State	15	8	2914	1409	1505	15	8	4818	2878	1940
	1.Larshio	-	-	-	-	-	-	-	-	-	-
	2.Naung Shwe	15	8	2914	1409	1505	15	8	4818	2878	1940
XI	Ayeyarwady Region	150	238	128883	42390	86563	150	238	127649	32235	95414
	1.Pathein	38	27	25826	13124	12772	38	27	20701	7505	13196
	2.Hinthada	18	9	13010	5869	7141	18	9	11918	2713	9205
	3.Talokehla	28	89	15252	6914	8338	28	89	15981	7085	8896
	4.Aung Hait	22	46	27358	8296	19062	22	46	24694	8087	16607
	5.Pantanaw	44	67	47437	8187	39250	44	67	54355	6845	47510

Table 3.23 Fish Fry Distribution of Fisheries Department by Fish Breeding Farm (Cont'd)

S.N	Station	2013-2014					2014-2015				
		Fish Breeding Pond		Production	Replenish	Distribution	Fish Breeding Pond		Production	Replenish	Distribution
		Number	Acre	(000 No)	(000 No)	(000 No)	Number	Acre	(000 No)	(000 No)	(000 No)
(1)	(2)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)	(41)	(42)
	Total	1006	810	551406	65126	486280	1006	809	575412	97312	478100
I	Nay Pyi Taw	78	25	19719	2621	17098	78	25	56156	18001	38155
	1.Pyinmana	78	25	19719	2621	17098	78	25	56156	18001	38155
II	Kachin State	32	31	11447	3930	7517	32	31	9893	3721	6172
	1.Bamaw	22	21	5742	1762	3979	10	10	6001	2245	3756
	2.Wynnmaw	10	10	5705	2168	3538	22	21	3892	1476	2416
III	Kayin	20	12	2452	618	1834	20	12	3216	989	2227
	1.Phaan	20	12	2452	618	1834	20	12	3216	989	2227
IV	Sagaing Region	113	37	21694	2390	19304	113	37	25072	3107	21965
	1.Shwe Bo	20	9	6589	863	5726	20	9	7481	1537	5944
	2.Ye Oo	75	20	9530	940	8590	75	20	11334	1040	10294
	3.Htee Chaint	18	8	5575	587	4988	18	8	6257	530	5727
V	Bago Region	161	175	73114	8127	64987	161	175	68640	15648	52992
	1.Bago	54	24	35608	2532	33076	54	24	35226	8114	27112
	2.Thanatpin	81	135	15161	2868	12293	81	135	17772	4083	13689
	3.Okpo	26	17	22345	2727	19618	26	16	15642	3451	12191
VI	Magway Region	22	9	9404	2805	6599	22	9	8489	3862	4627
	1.Taurigdwingyi	8	4	3671	1175	2496	8	4	4053	1828	2225
	2.Pwint Phyu	14	5	5733	1630	4103	14	5	4436	2034	2402
VII	Mandalay Region	278	178	186448	16919	169529	278	178	157184	15521	141663
	1.Patheingyi	93	28	79267	4962	74305	93	28	73936	1725	72211
	2.Myitthar	123	45	58215	7365	50850	123	45	59268	9250	50018
	3.Natyakan	38	85	36549	784	35765	38	85	11494	402	11092
	4.Mattayer	24	20	12417	3808	8609	24	20	12486	4144	8342
VIII	Mon State	10	7	3142	751	2391	10	7	3218	965	2253
	1.Thahton	10	7	3142	751	2391	10	7	3218	965	2253
IX	Yangon Region	131	98	141582	18867	122715	131	98	152836	21265	131571
	1.Hlawga	56	56	59329	230	59099	56	56	73744	3513	70231
	2.Twantay	27	19	44549	14177	30372	27	19	40652	12995	27657
	3.Lay Daungh Kan	48	23	37704	4460	33244	48	23	38440	4757	33683
X	Shan State	6	8	3125	821	2304	6	8	4458	1413	3045
	1.Larshio	-	-	-	-	-	-	-	-	-	-
	2.Naung Shwe	6	8	3125	821	2304	6	8	4458	1413	3045
XI	Ayeyarwady Region	155	229	79279	7277	72002	155	229	86250	12820	73430
	1.Pathein	38	27	19095	2190	16905	38	27	19813	4423	15390
	2.Hinthada	18	9	13400	3200	10200	18	9	14439	3289	11150
	3.Talokehla	32	80	13046	181	12865	32	80	14936	456	14480
	4.Aung Hait	23	46	14364	132	14232	23	46	14539	389	14150
	5.Pantanaw	44	67	19374	1574	17800	44	67	22523	4263	18260

Table 3.23 Fish Fry Distribution of Fisheries Department by Fish Breeding Farm (Concl'd)

S.N	Station	2015-2016					2016-2017				
		Fish Breeding Pond		Production	Replenish	Distribution	Fish Breeding Pond		Production	Replenish	Distribution
		Number	Acre	(000 No)	(000 No)	(000 No)	Number	Acre	(000 No)	(000 No)	(000 No)
(1)	(2)	(43)	(44)	(45)	(46)	(47)	(48)	(49)	(50)	(51)	(52)
	Total	1006	809	608698	84074	524624	1069	851	644092	97715	546377
I	Nay Pyi Taw	78	25	56149	17341	38808	78	25	57287	287	57000
	1.Pyinmana	78	25	56149	17341	38808	78	25	57287	287	57000
II	Kachin State	32	31	10914	3776	7138	43	30	11706	3855	7851
	1.Bamaw	22	21	6435	2130	4305	28	21	5702	1705	3997
	2.Wynnmaw	10	10	4479	1646	2833	15	9	6004	2150	3854
III	Kayin	20	12	3329	850	2479	30	29	3408	587	2821
	1.Phaan	20	12	3329	850	2479	30	29	3408	587	2821
IV	Sagaing Region	113	37	26263	2688	23575	113	37	27188	4055	23133
	1.Shwe Bo	20	9	7904	1503	6401	20	9	7914	1352	6562
	2.Ye Oo	75	20	11389	540	10849	75	20	10912	1690	9222
	3.Htee Chaint	18	8	6970	645	6325	18	8	8362	1013	7349
V	Bago Region	161	175	69995	15046	54949	161	175	74613	15213	69400
	1.Bago	54	24	35570	8109	27461	54	24	38061	8141	29920
	2.Thanatpin	81	135	18214	3785	14429	81	135	18930	3760	15170
	3.Okpo	26	16	16211	3152	13059	26	16	17622	3312	14310
VI	Magway Region	22	9	9546	4097	5449	30	11	9391	3141	6250
	1.Taungdwingyi	8	4	4296	2012	2284	10	4	4361	2026	2335
	2.Pwint Phyu	14	5	5250	2085	3165	20	7	5030	1115	3915
VII	Mandalay Region	278	178	174461	3947	170514	265	178	181209	304360	1507730
	1.Patheingyi	93	28	77043	540	76503	89	28	77195	109620	662330
	2.Myitthar	123	45	71063	132	70931	123	54	74764	111340	636200
	3.Natyakan	38	85	10	10	-	26	75	-	-	-
	4.Mattayer	24	20	26345	3265	23080	27	21	29260	83400	209200
VIII	Mon State	10	7	3403	651	2752	20	10	4168	811	3357
	1.Thahton	10	7	3403	651	2752	20	10	4168	811	3357
IX	Yangon Region	131	98	165363	20969	144394	155	143	164758	21065	143693
	1.Hlawga	56	56	80407	2851	77556	43	64	43887	13660	30227
	2.Twantay	27	19	42011	13500	28511	64	56	80368	3450	76918
	3.Lay Daungh Kan	48	23	42945	4618	38327	48	23	40503	3955	36548
X	Shan State	6	8	5835	882	4953	24	10	4236	1325	2911
	1.Larshio	-	-	-	-	-	-	-	-	-	-
	2.Naung Shwe	6	8	5835	882	4953	24	10	4236	1325	2911
XI	Ayeyarwady Region	155	229	83440	13827	69613	150	203	106128	16940	89188
	1.Pathein	38	27	19367	2024	17343	38	27	19202	4262	14940
	2.Hinthada	18	9	12460	2200	10260	18	9	16179	2840	13339
	3.Talokehla	32	80	17366	2806	14560	27	54	20285	2850	17435
	4.Aung Hait	23	46	13552	1162	12390	23	46	24464	775	23689
	5.Pantanaw	44	67	20695	5635	15060	44	67	25998	6213	19785

Source : Department of Fisheries.

Table 3.24 Fishing Vessel (Off-shore), Fishing Vessel (In-shore) and Fishing Gear

(Number)

S.N (1)	Particular (2)	2007-08 (3)	2008-09 (4)	2009-10 (5)	2010-11 (6)	2011-12 (7)	2012-13 (8)	2013-14 (9)	2014-15 (10)	2015-16 (11)	2016-17 (12)
1	**Small Fishing Boat**										
	Powered Boat	14289	14025	13788	13823	12288	12157	12490	12240	13831	16012
	Non-Powered Boat	15219	14645	17054	15548	15463	12757	13732	13391	12583	10704
2	**Off-shore Vessels**										
	National	1863	1758	1814	2196	2598	2724	2736	2840	3030	3105
	Foreign	248	356	391	396	264	150	153	52	11	48
3	**Fishing Gear**										
	(One Set of Net)	19633	29030	31347	31101	28904	27638	30648	29791	32530	32916

Source : Department of Fisheries.

Table 3.25 Number of Raising Crocodile by Size

S.N (1)	Size (2)	2007-08 (3)	2008-09 (4)	2009-10 (5)	2010-11 (6)	2011-12 (7)	2012-13 (8)	2013-14 (9)	2014-15 (10)	2015-16 (11)	2016-17 (12)
	Total	**733**	**719**	**620**	**501**	**604**	**570**	**500**	**517**	**529**	**550**
1	1 - feet	249	200	130	23	130	155	75	86	96	116
2	2 - feet	26	45	45	44	44	37	49	49	40	40
3	3 - feet	151	127	91	75	70	29	8	10	9	9
4	4 - feet	107	127	127	116	116	112	77	78	83	77
5	5 - feet	48	59	66	75	78	77	66	41	25	31
6	6 - feet	23	21	26	33	35	30	50	48	48	48
7	7 - feet	52	34	31	30	28	27	65	81	102	102
8	8 - feet	29	55	57	56	54	54	60	74	75	76
9	9 - feet	20	21	18	20	20	20	20	20	20	20
10	10 - feet	15	15	15	15	15	15	15	15	16	16
11	10 - feet (above)	13	15	14	14	14	14	15	15	15	15

Source : Department of Fisheries.

Table 3.26 Teak and Hardwood Logs Extraction by States and Regions

(Cubic Ton)

S.N (1)	States and Regions (2)	Description (3)	2007-2008 (4)	2008-2009 (5)	2009-2010 (6)	2010-2011 (7)	2011-2012 (8)
	Union	Total	1612858	1564010	1648968	1530402	1692408
		Teak	343665	247621	201312	232517	287293
		Hardwood	1269193	1316389	1447656	1297885	1405115
1	Naypyitaw	Total	-	-	-	-	31720
		Teak	-	-	-	-	2639
		Hardwood	-	-	-	-	29081
2	Kachin State	Total	89599	92349	124664	161196	120235
		Teak	717	426	8	684	-
		Hardwood	88882	91923	124656	160512	120235
3	Kayah State	Total	12643	10319	14749	9438	12213
		Teak	7145	4375	5462	2390	3104
		Hardwood	5498	5944	9287	7048	9109
4	Kayin State	Total	18623	21897	17184	10997	11687
		Teak	8449	1253	434	362	405
		Hardwood	10174	20644	16750	10635	11282
5	Chin State	Total	7086	4497	3712	4864	4864
		Teak	-	-	-	-	-
		Hardwood	7086	4497	3712	4864	4864
6	Sagaing Region	Total	479585	507394	516255	465309	549008
		Teak	78381	64161	45374	38310	49418
		Hardwood	401205	443233	470881	426999	499590
7	Tanintharyi Region	Total	49563	74984	55389	29333	68806
		Teak	3	-	-	-	-
		Hardwood	49560	74984	55389	29333	68806
8	Bago Region	Total	315658	279751	349399	276483	336043
		Teak	58251	28303	37390	37072	48616
		Hardwood	257407	251448	312009	239411	287427
9	Magway Region	Total	56686	46010	58947	47396	48554
		Teak	3269	1080	3673	1030	2634
		Hardwood	53417	44930	55274	46366	45920
10	Mandalay Region	Total	195572	201662	191384	261464	246844
		Teak	105439	82223	73257	103124	130040
		Hardwood	90133	119439	118127	158340	116804
11	Mon State	Total	15438	10758	13047	10737	13511
		Teak	-	-	2	-	77
		Hardwood	15438	10758	13045	10737	13434
12	Rakhine State	Total	17376	19058	14227	14599	17264
		Teak	376	-	-	-	360
		Hardwood	17000	19058	14227	14599	16904
13	Yangon Region	Total	-	-	-	-	-
		Teak	-	-	-	-	-
		Hardwood	-	-	-	-	-
14	Shan State	Total	268829	249126	222175	177134	169227
		Teak	80462	64894	35687	49341	49900
		Hardwood	188367	184232	186488	127793	119327
15	Ayeyarwady Region	Total	86199	46205	67836	61452	62432
		Teak	1173	906	25	204	100
		Hardwood	85026	45299	67811	61248	62332

Table 3.26 Teak and Hardwood Logs Extraction by States and Regions (Concl'd)

(Cubic Ton)

S.N (1)	States and Regions (2)	Description (3)	2012-2013 (9)	2013-2014 (10)	2014-2015 (11)	2015-2016 (12)	2016-2017 (13)
	Union	Total	1858187	1613739	741747	692066	524588
		Teak	300083	329315	128220	70826	50786
		Hardwood	1558104	1284424	613527	621240	473802
1	Naypyitaw	Total	29168	25879	9850	7257	5094
		Teak	4480	2451	1075	330	489
		Hardwood	24688	23428	8775	6927	4605
2	Kachin State	Total	92078	2181	19975	24835	12158
		Teak	480	-	2011	448	117
		Hardwood	91598	2181	17964	24387	12041
3	Kayah State	Total	17872	24141	18414	4126	12449
		Teak	6490	9555	9882	2170	8422
		Hardwood	11382	14586	8532	1956	4027
4	Kayin State	Total	12019	12700	1518	1610	1597
		Teak	519	254	30	50	-
		Hardwood	11500	12446	1488	1560	1597
5	Chin State	Total	3505	1406	8389	6696	3201
		Teak	-	-	873	1082	1349
		Hardwood	3505	1406	7516	5614	1852
6	Sagaing Region	Total	636969	455357	288518	342113	285071
		Teak	46470	61173	29072	24290	12135
		Hardwood	590499	394184	259446	317823	272936
7	Tanintharyi Region	Total	129867	176219	54431	32281	26752
		Teak	-	3	-	-	-
		Hardwood	129867	176216	54431	32281	26752
8	Bago Region	Total	412640	293416	92678	56744	20014
		Teak	84486	48195	16233	6794	4187
		Hardwood	328154	245221	76445	49950	15827
9	Magway Region	Total	42034	47765	23663	21990	13487
		Teak	1742	6986	2854	2065	1884
		Hardwood	40292	40779	20809	19925	11603
10	Mandalay Region	Total	251752	342526	150269	104862	87835
		Teak	128280	138152	44209	12323	14916
		Hardwood	123472	204374	106060	92539	72919
11	Mon State	Total	16084	12954	5202	4006	1100
		Teak	21	-	4	4	-
		Hardwood	16063	12954	5198	4002	1100
12	Rakhine State	Total	13055	20038	4172	4431	6093
		Teak	232	-	330	295	3
		Hardwood	12823	20038	3842	4136	6090
13	Yangon Region	Total	-	-	-	-	-
		Teak	-	-	-	-	-
		Hardwood	-	-	-	-	-
14	Shan State	Total	153389	140921	52762	52628	32682
		Teak	26397	62483	21632	20975	7282
		Hardwood	126992	78438	31130	31653	25400
15	Ayeyarwady Region	Total	47755	58236	11906	28487	17055
		Teak	486	63	15	-	2
		Hardwood	47269	58173	11891	28487	17053

Source: Myanma Timber Enterprise.

Table 3.27 Production and Distribution of Teak

(Cubic Ton)

S.N (1)	Description (2)	2007-2008 (3)	2008-2009 (4)	2009-2010 (5)	2010-2011 (6)	2011-2012 (7)
1	Teak (Logs)					
	1. Production	422931	407621	453047	497506	506889
	1. Opening Stock at saw mills	79266	160000	251735	264989	219596
	2. Arrival at mills during the year*	343665	247621	201312	232517	287293
	3. Border trade	-	-	-	-	-
	4. Others**	-	-	-	-	-
	2. Distribution during the year	422931	407621	453047	497506	506889
	1. Saw mills	13130	10824	17964	25646	35262
	2. Local sales	470	211	1876	1142	566
	3. Export	227344	139781	163146	229381	285544
	4. Border trade	-	-	-	-	-
	5. Others**	21987	5070	5072	21741	18575
	6. Stock	160000	251735	264989	219596	166942
2	Teak (Sawn Timber)					
	1. Production	15513	11451	13565	20714	34151
	1. Opening Stock at saw mills	2006	2504	3255	6657	14313
	2. Sawn timber during the year	8247	6157	10310	14057	19838
	3. Others**	5260	2790	-	-	-
	2. Distribution during the year	15513	11451	13565	20714	34151
	1. Local sales	2074	862	3293	2361	5216
	2. Export	3465	1960	3615	4040	6926
	3. Others**	7470	5374	-	-	-
	4. Stock	2504	3255	6657	14313	22009

Table 3.27 Production and Distribution of Teak (Concl'd)

(Cubic Ton)

S.N (1)	Description (2)	2012-2013 (8)	2013-2014 (9)	2014-2015 (10)	2015-2016 (11)	2016-2017(p) (12)
1	Teak (Logs)					
	1. Production	467025	429550	265655	201705	146900
	1. Opening Stock at saw mills	166942	100235	6285	66180	62534
	2. Arrival at mills during the year*	300083	329315	128220	70826	50786
	3. Border trade	-	-	-	-	-
	4. Others	-	-	131150	64699	33580
	(Private Owned Logs Remaining)					
	2. Distribution during the year	467025	429550	265655	201705	146900
	1. Saw mills	26297	35624	16949	14400	11013
	2. Local sales	1923	6891	9726	15789	21110
	3. Export	309054	367376	-	-	-
	4. Local sale in US $	-	-	172800	108982	35224
	5. Border trade	-	-	-	-	-
	6. Others**	29516	13374	-	-	-
	7. Stock	100235	6285	66180	62534	79553
2	Teak (Sawn Timber)					
	1. Production	34644	36351	27088	21846	13547
	1. Opening Stock at saw mills	22009	19874	19972	9451	6495
	2. Sawn timber during the year	12635	16477	7116	5959	4684
	3. Others**	-	-	-	6436	2368
	2. Distribution during the year	34644	36351	27088	21846	13547
	1. Local sales	4831	5770	5592	3506	3320
	2. Export	9939	10609	8888	11845	4407
	3. Others**	-	-	3157	-	-
	4. Stock	19874	19972	9451	6495	5820

Note: * Includes timber at terminal depot
** Adjusted Stock

Source: Myanma Timber Enterprise.

Table 3.28 Plantation of Teak Trees

S.N (1)	Description (2)	Unit (3)	2007-2008 (4)	2008-2009 (5)	2009-2010 (6)	2010-2011 (7)	2011-2012 (8)
1	Area & number of trees at the beginning of the year						
	1. Number of trees	Thousand No.	34409	35710	37180	38728	40118
	2. Area	Acre	764841	793566	826216	860615	891501
2	Area & trees planted during the year						
	1. Number of trees	Thousand No.	1302	1469	1548	1390	1105
	2. Area	Acre	28925	32650	34400	30885	24550
3	Area & trees planted at the end of the year						
	1. Number of trees	Thousand No.	35710	37180	38728	40118	41222
	2. Area	Acre	793566	826216	860615	891501	916051
4	Thinnings undertaken during the year	Acre	-	-	-	-	-

Table 3.28 Plantation of Teak Trees (Concl'd)

S.N (1)	Description (2)	Unit (3)	2012-2013 (9)	2013-2014 (10)	2014-2015 (11)	2015-2016 (12)	2016-2017(p.a) (13)
1	Area & number of trees at the beginning of the year						
	1. Number of trees	Thousand No.	41223	41777	42311	42588	42712
	2. Area	Acre	916051	928351	940251	946401	949151
2	Area & trees planted during the year						
	1. Number of trees	Thousand No.	554	536	277	124	207
	2. Area	Acre	12300	11900	6150	2750	4600
3	Area & trees planted at the end of the year						
	1. Number of trees	Thousand No.	41777	42311	42588	42712	42919
	2. Area	Acre	928351	940251	946401	949151	953751
4	Thinnings undertaken during the year	Acre	-	-	-	-	-

Notes: Include teak and hardwood thinnings undertaken during the Year.

Source: Forest Department.

Table 3.29 Production of Plywood by Region

(Square Feet)

S.N (1)	Regions (2)	2007-08 (3)	2008-09 (4)	2009-10 (5)	2010-11 (6)	2011-12 (7)	2012-13 (8)	2013-14 (9)	2014-15 (10)	2015-16 (11)	2016-17 (12)
	Union	1871498	1427943	2042587	1549539	1917878	1653658	1695464	772996	88730	16578
1	Sagaing Region	380310	157743	216035	205684	594813	437763	350119	67772	23447	8491
2	Mandalay Region	-	-	345583	44807	-	-	-	-	-	-
3	Bago Region	-	-	-	-	-	-	-	-	-	-
4	Yangon Region	562220	210281	415397	208167	427208	236513	288931	114535	30823	6598
5	Ayeyarwady Region	928968	1059919	1065572	1090881	895857	979382	1057414	590689	34360	1489

Source: Myanma Timber Enterprise.

Table 3.30 Production of Veneer by States and Regions

(Square Feet)

S.N (1)	States and Regions (2)	2007-08 (3)	2008-09 (4)	2009-10 (5)	2010-11 (6)	2011-12 (7)	2012-13 (8)	2013-14 (9)	2014-15 (10)	2015-16 (11)	2016-17 (12)
	Union	97474394	89912856	94818771	155166234	169521062	175023881	220033245	118037390	9488	84353090
1	Sagaing Region	33570450	27390758	28354737	35984469	34839393	35140662	46154776	21951563	-	7569726
2	Yangon Region	2650631	9666569	13855157	32782302	30260387	52275627	110671041	57242142	9488	53298231
3	Ayeyarwady Region	22323513	16955436	36154381	50346876	46734109	49075706	18248635	5008845	-	23485133
4	Mandalay Region	38929800	35900093	16454496	33059464	53783205	36921843	44958793	33834840	-	-
5	Rakhine State	-	-	-	2993123	3903968	1610043	-	-	-	-

Source: Myanma Timber Enterprise.

Table 3.31 Production of Veneer in Plywood Factories

(Square Feet)

S.N (1)	Particular (2)	2007-08 (3)	2008-09 (4)	2009-10 (5)	2010-11 (6)	2011-12 (7)	2012-13 (8)	2013-14 (9)	2014-15 (10)	2015-16 (11)	2016-17 (P.a) (12)
1	No.(1)Plywood Factory	1072606	6261060	12218485	29644858	29482745	37144931	64234850	20530074	-	7595369
2	No.(2)Plywood Factory	1578025	3405509	1636672	3137444	664866	15055258	21446786	13335204	-	45702862
3	No.(4)Plywood Factory	22323513	16955436	36154381	50346876	46734109	49075706	18248635	5008845	-	23485133
4	No.(5)Plywood Factory	4829224	3646899	2385421	6096922	5543194	3408704	13669428	3303337	-	3852929
5	No.(7)Furniture Factory	-	-	-	-	112776	75438	-	-	-	-
6	Veneer(1)	28741226	23743859	25969316	29887547	29296199	31731958	32485348	18648226	-	3716797
7	Veneer(2)	-	-	-	2993123	3903968	1610043	-	-	9488	-
8	Veneer(3)	-	-	-	-	-	-	24989405	19444730	-	-
9	MF(2B)	38929800	35900093	16454496	33059464	53783205	36921843	44958793	33834840	-	-
10	Furniture(4)	-	-	-	-	-	-	-	3932134	-	-
	Total	97474394	89912856	94818771	155166234	169521062	175023881	220033245	118037390	9488	84353090

Note: No.(3) Plywood Factory is Joint-Venture.

Source : Myanma Timber Enterprise.

Table 3.32 Production and Distribution of Hardwood

(Cubic Ton)

S.N (1)	Description (2)	2007-2008 (3)	2008-2009 (4)	2009-2010 (5)	2010-2011 (6)	2011-2012 (7)
1	Hardwood (Logs)					
	1.Production	1568966	1504988	1756588	1642785	1722173
	1.Opening Stock at saw mills	203003	164774	171769	179915	95858
	2.Arrival at mills during the year*	1269193	1316389	1447656	1297885	1405115
	3.Border trade	-	-	-	-	-
	4.Others**	96770	23825	137163	164985	221200
	2.Distribution during the year	1568966	1504988	1756588	1642785	1722173
	1.Saw mills	291851	330053	433979	394538	352785
	2.Local sales	44252	35209	52277	73875	169304
	3.Export	701416	547048	698364	761754	850619
	4.Wood Based Industries	51879	41930	80499	71283	61760
	5.Raw For Industry	-	-	36072	37881	-
	6.Others**	314794	378979	275782	207596	100250
	7Stock	164774	171769	179615	95858	187455
2	Hardwood (Sawn Timber)					
	1.Production	197127	266586	324721	303753	262904
	1.Opening Stock at saw mills	9982	16822	26673	36772	29591
	2.Sawn timber during the year	185391	210617	276154	259010	221218
	3.Others**	1754	39147	21894	7971	12095
	2.Distribution during the year	197127	266586	324721	303753	262904
	1.Local sales	135149	148567	216530	236406	185039
	2.Export	284	1096	202	470	537
	3.Others**	44872	90250	71217	37286	35642
	4.Stock	16822	26673	36772	29591	41686

Table 3.32 Production and Distribution of Hardwood (Concl'd)

(Cubic Ton)

S.N (1)	Description (2)	2012-2013 (8)	2013-2014 (9)	2014-2015 (10)	2015-2016 (11)	2016-2017 (p) (12)
1	Hardwood (Logs)					
	1. Production	1745559	1691772	982706	779593	666057
	1. Opening Stock at saw mills	187455	67459	44311	105283	152825
	2. Arrival at mills during the year*	1558104	1284424	613527	621240	473802
	3. Border trade	-	-	-	-	-
	4. Others**	-	339889	324868	53070	39430
	2. Distribution during the year	1745559	1691772	982706	779593	666057
	1. Saw mills	269879 (r)	242827	77600	73396	26326
	2. Local sales	84366	201419	360732	290715	273900
	3. Export	871062	1118540	-	-	-
	4. Local sale in US $	-	-	422179	262657	243942
	5. Wood Base Industries	61587	84675	16912	-	-
	6. Raw For Industry	-	-	-	-	-
	7. Others**	391206 (r)	-	-	-	-
	8. Stock	67459	44311	105283	152825	121889
2	Hardwood (Sawn Timber)					
	1. Production	184846	201313	82779	57332	35922
	1. Opening Stock at saw mills	41686	52836	31261	8332	13329
	2. Sawn timber during the year	142663	147675	49105	44490	16379
	3. Others**	497	802	2413	4510	6214
	2.Distribution during the year	184846	201313	82779	57332	35922
	1. Local sales	122952	167082	72932	43605	29523
	2. Local sales for US$	-	-	-	395	1356
	3. Export	973	1232	1515	-	50
	4. Others**	8085	1738	-	3	-
	5. Stock	52836	31261	8332	13329	4993

Note: * Includes timber at terminal depot
** Adjusted Stock

Source: Myanma Timber Enterprise.

Table 3.33 Plantation of Hardwood Trees

S.N (1)	Description (2)	Unit (3)	2007-2008 (4)	2008-2009 (5)	2009-2010 (6)	2010-2011 (7)	2011-2012 (8)
1	Area & number of trees at the beginning of the year						
	1. Number of trees	(000) No	50964	52320	53551	54487	54765
	2. Area	Acre	1132534	1162669	1190030	1210830	1217010
2	Area & trees planted during the year						
	1. Number of trees	(000) No	1356	1231	936	278	200
	2. Area	Acre	30135	27361	20800	6180	4450
3	Area & trees planted at the end of the year						
	1. Number of trees	(000) No	52320	53551	54487	54765	54965
	2. Area	Acre	1162669	1190030	1210830	1217010	1221460
4	Thinnings undertaken during the year	Acre	-	-	-	-	-

Table 3.33 Plantation of Hardwood Trees (Concl'd)

S.N (1)	Description (2)	Unit (3)	2012-2013 (9)	2013-2014 (10)	2014-2015 (11)	2015-2016 (12)	2016-2017(p.a) (13)
1	Area & number of trees at the beginning of the year						
	1. Number of trees	(000) No.	54966	55105	55245 (r)	55328	55425
	2. Area	Acre	1221460	1224560	1227660 (r)	1229510	1231660
2	Area & trees planted during the year						
	1. Number of trees	(000) No.	140	140 (r)	83 (r)	97	135
	2. Area	Acre	3100	3100 (r)	1850 (r)	2150	3000
3	Area & trees planted at the end of the year						
	1. Number of trees	(000) No.	55105	55245 (r)	55328 (r)	55425	55560
	2. Area	Acre	1224560	1227660 (r)	1229510 (r)	1231660	1234660
4	Thinnings undertaken during the year	Acre	-	-	-	-	-

Notes: Include Teak and Hardwood Thinnings undertaken during the year

Source: Forest Department.

Table 3.34 Production of Minor Forest Products

S.N (1)	Description (2)	Unit (3)	2007-2008 (4)	2008-2009 (5)	2009-2010 (6)	2010-2011 (7)	2011-2012 (8)
1	Firewood	(000) CubicTon	21876	22542	23166	20683	22466
2	Charcoal	(000) CubicTon	269	266	210	212	201
3	Bamboo	(000) No.	1241618	1279727	1303078	1346156	1264282
4	Rattan	(000) No.	49299	42831	39111	38506	36078
5	Teak and Hardwood post	No.	37003	71443	63087	131031	-
6	Teak and Hardwood pole	No.	966983	204057	104405	105210	-
7	Cutch	(000) Viss	290	331	330	406	403
8	Indwe-Pwenyet	(000) Viss	309	297	261	233	249
9	Kanyin Resin	Viss	650	650	650	650	650
10	Turpentine	(000) Viss	-	31	40	45	2
11	Dani-Thetkye	(000) Byit	1021804	1016005	1040231	1064007	1002820
12	Honey	(000) Viss	37	38	41	43	47
13	Bees-Wax	Viss	1018	1036	1025	1120	1102
14	Bat's Guano	(000) Viss	462	434	379	351	376
15	Orchids	(000) No.	24	23	203	24	20
16	Edible Bird's Nest	Viss	840	1088	1104	1376	1516
17	Lac	(000) Viss	61	83	60	116	108

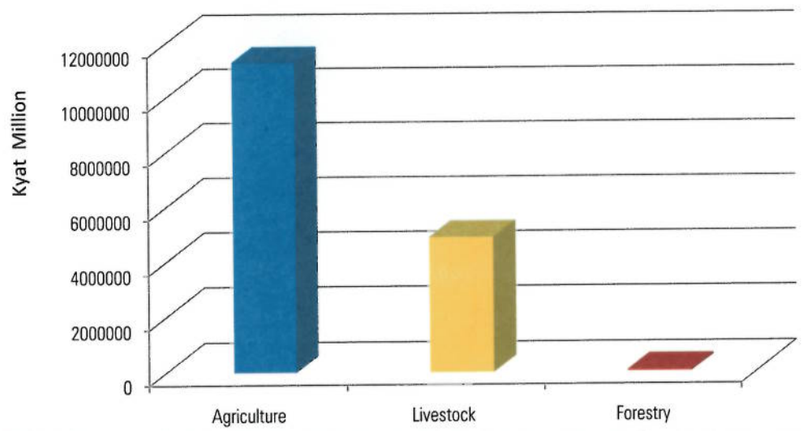
Table 3.34 Production of Minor Forest Products(Concl'd)

S.N (1)	Description (2)	Unit (3)	2012-2013 (9)	2013-2014 (10)	2014-2015 (11)	2015-2016 (12)	2016-2017 (13)
1	Firewood	(000) CubicTon	22747	23020	23320	20911	21001
2	Charcoal	(000) CubicTon	217	229	231	233	180
3	Bamboo	(000) No.	1273018	1291093	1308804	1213301	1164285
4	Rattan	(000) No.	40133	37690	40944	35769	32062
5	Teak and Hardwood post	No.	-	-	-	-	-
6	Teak and Hardwood pole	No.	-	-	-	-	-
7	Cutch	(000) Viss	365	336	172	153	179
8	Indwe-Pwenyet	(000) Viss	221	230	258	260	198
9	Kanyin Resin	Viss	650	660	665	675	470
10	Turpentine	(000) Viss	0.7	0.1	13	0.6	2
11	Dani-Thetkye	(000) Byit	1003902	1022295	1037315	932263	920010
12	Honey	(000) Viss	49	50	51	50	47
13	Bees-Wax	Viss	1101	1128	1147	1193	2683
14	Bat's Guano	(000) Viss	360	366	337	379	203
15	Orchids	(000) No.	20	15	22	20	-
16	Edible Bird's Nest	(000) Viss	1622	1702	1550	1512	1365
17	Lac	(000) Viss	102	80	81	66	41
18	Barks	(000) Viss	1362	1300	1298	1227	925
19	Thanatkha	(000) Viss	283	284	270	249	163
20	Jute	(000) Viss	61	73	81	77	30
21	Bastard Sandal Wood	(000) Viss	4	7	4	8	2
22	Cardanon	(000) Viss	1118	1069	1016	58	85
23	Serpent Wood	(000) Viss	27	31	31	31	27
24	Lacquer	(000) Viss	31	31	32	33	31

Sources: 1. Forest Department.
2. Co-operative Department.
3. Department of Agriculture.

IV . PRICES AND SHARE OF AGRICULTURE, LIVESTOCK AND FORESTRY IN GDP

Figure 4.1 SHARE OF AGRICULTURE, LIVESTOCK AND FORESTRY,2016-2017
(AT CURRENT PRODUCER'S PRICES)



Source:Planning Department.

Table 4.01 Prices of Secected Crops at Harvest Time

UPDATE

(Kyat Per Unit)

S.N (1)	Crop (2)	Unit (3)	2011-2012 (4)	2012-2013 (5)	2013-2014 (6)	2014-2015 (7)	2015-2016 (8)	2016-2017 (9)
1	Paddy							
	Summer	100 Basket	350000	330000	426000	441400	579800	552100
	Monsoon	100 Basket	400000	400000	421800	469300	517100	537000
2	Wheat	Ton	376430	405405	399802	450110	465206	400075
3	Maize							
	Grain	Ton	219888	288605	278384	316654	326124	284144
	Cobs	100cobs	7800	11500	6600	9600	11200	13400
	Leaf sheath	Ton	171500	183750	183750	183750	-	-
4	Millet	Ton	234838	224290	317666	354064	352740	316078
5	Pulses							
	Matpe(Black gram)	Ton	688945	462848	551492	732137	1114345	1110627
	Pedisein(Green gram)	Ton	673635	559117	705203	853906	1018290	811567
	Butter bean	Ton	440924	484697	635443	695351	647797	958856
	Bocate(Cow pea)	Ton	525894	413367	436148	514266	712491	744151
	Sultani	Ton	460095	428144	481822	454248	497893	574542
	Sultapya	Ton	468882	453705	532528	484602	527192	528546
	Peboke(Soy bean)	Ton	560892	524516	548921	593840	610680	642733
	Gram(Chick pea)	Ton	591095	633845	481247	507863	609083	1040083
	Pelun	Ton	594789	477975	411468	493702	649568	753298
	Pesingon(Pigeon pea)	Ton	661386	534008	467135	573222	798655	891426
	Peyin(Rice bean)	Ton	357179	302921	577183	502662	609517	554878
	Pebyugale(Duffin bean)	Ton	540931	351462	492378	573537	627040	680849
	Pegyi(Lablab bean)	Ton	833923	707492	710911	757834	833923	844836
	Sadawpe(Garden pea)	Ton	669348	671920	664081	747008	774741	876369
	Peyazar(Lentil bean)	Ton	627705	643015	643015	684444	941558	637755
	Penauk(Krishna mung)	Ton	551155	459296	622592	642444	698130	727196
	Pegya(Lima bean)	Ton	543167	551155	562339	579153	599082	652836
6	Groundnut							
	Rain	Ton	689165	906717	944901	938739	1392969	2075942
	Winter	Ton	645955	1127768	884318	850483	1159984	2325389
7	Sesamum							
	Early	Ton	1002573	1175064	1179188	881481	1749858	1497138
	Late	Ton	986610	1147506	1308157	1448450	1570263	1481956

Table 4.01 Prices of Secected Crops at Harvest Time (Concl'd)

(Kyat Per Unit)

S.N (1)	Crop (2)	Unit (3)	2011-2012 (4)	2012-2013 (5)	2013-2014 (6)	2014-2015 (7)	2015-2016 (8)	2016-2017 (9)
8	Mustard	Ton	582350	614309	781122	667626	753284	907920
9	Sunflower	Ton	723391	723391	587600	693840	872686	885990
10	Cotton							
	Wagyi	Ton	-	497776	497776	528887	528887	673629
	Wagale	Ton	-	-	-	-	-	-
	Mahlaing 5/6	Ton	-	497776	497776	528887	528887	673629
	Long staple	Ton	622222	684442	746664	699998	699998	857346
11	Jute (d)							
	Special grade	Ton	-	-	-	-	404177	404177
	First grade	Ton	280000	279900	279900	279900	336814	336814
	Second grade	Ton	248889	248800	248800	248880	244956	244956
	Third grade	Ton	-	-	-	-	-	-
12	Kenaf	Ton	217778	186600	202150	202150	48800	336875
13	Rubber	Ton	1411200	2204623	2204623	1327774	1344820	1741650
14	Sugarcane	Ton	30000	30000	30000	30000	30000	47650
15	Toddy Palm	Ton	560015	560015	435540	497760	673750	857500
16	Tobacco (Myanmar)	Ton	2296875	1531250	1298500	1612713	1087187	1102500
17	Tobacco (Virginia)	Ton	1531250	1433250	975713	812788	812788	837288
18	Betel nut	Ton	1347500	1163750	1871188	2246650	3193575	3324650
19	Betel leaves	Ton	1960000	1389150	2032275	2465313	2258900	3435513
20	Chillies (Dry)	Ton	1358218	1537375	1590050	2339138	2194588	2976750
21	Chillies (Green)	Ton	655375	751537	654150	742963	1050438	1245213
22	Onion	Ton	252350	311763	245000	382813	744188	1047988
23	Garlic	Ton	1653750	678037	888125	931000	1245212	2342813
24	Potato	Ton	341775	370562	343613	428750	527975	678650
25	Coffee	Ton	2450000	2450000	2250937	2358125	2250938	2660088
26	Tea (Green)	Ton	796250	796250	1304625	1365875	1251338	992250
27	Coconut	Each	400	392	255	311	350	573
28	Tapioca	Ton	153125	159250	352187	566563	619850	382813
29	Plantain	Bunch	2050	2474	2080	3167	3050	5681
30	Thanatphet	Ton	361375	367500	382800	1102500	2143750	2143750
31	Dhani	100 byits	18500	14700	11500	12000	12500	12300
32	Fodder (Straw)	100bundle	25000	29000	37500	35000	40000	-

Source : Department of Agriculture.

MONIKA

Table 4.02 Share of Agriculture, Livestock and Forestry (At Constant Producer's Prices)

S.N. (1)	Year (2)	G.D.P ((Million of Kyat) (3)	Agriculture, Livestock and Forestry (Million of Kyat)				Share in G.D.P(%)			
			Agriculture (4)	Livestock and Fishery (5)	Forestry (6)	Total (7)	Agriculture (8)	Livestock and Fishery (9)	Forestry (10)	Total (11)
1	2007-2008 *	15559412.8	5535774.1	1170634.0	83487.1	6789895.2	35.6	7.5	0.6	43.7
2	2008-2009 *	17155078.1	5799789.0	1288795.6	81580.7	7170165.3	33.8	7.5	0.5	41.8
3	2009-2010 *	18970326.7	6043622.0	1447155.2	79063.2	7569840.4	31.9	7.6	0.4	39.9
4	2010-2011 **	39776764.9	11108404.4	3392103.2	158453.7	14658961.3	27.9	8.5	0.4	36.9
5	2011-2012 **	42000875.7	10750196.9	3641799.6	170117.1	14562113.6	25.6	8.7	0.4	34.7
6	2012-2013 **	45080661.5	10724796.7	3900918.6	181336.9	14807052.2	23.8	8.7	0.4	32.8
7	2013-2014 **	48879158.5	10959270.5	4217589.2	169246.2	15346105.9	22.4	8.6	0.4	31.4
8	2014-2015 **	52785050.8	11113012.3	4529326.4	126432.6	15768771.3	21.0	8.6	0.2	29.8
9	2015-2016 ** (p.a)	56476225.1	11357413.2	4820334.8	128429.9	16306177.9	20.1	8.5	0.2	28.9
10	2016-2017 ** (End of March)	59792544.0	11278025.7	4914210.5	51633.7	16243869.9	18.9	8.2	0.1	27.2

Note : * At 2005-2006 Constant Producers' Prices.
** At 2010-2011 Constant Producers' Prices.

Source : Planning Department .

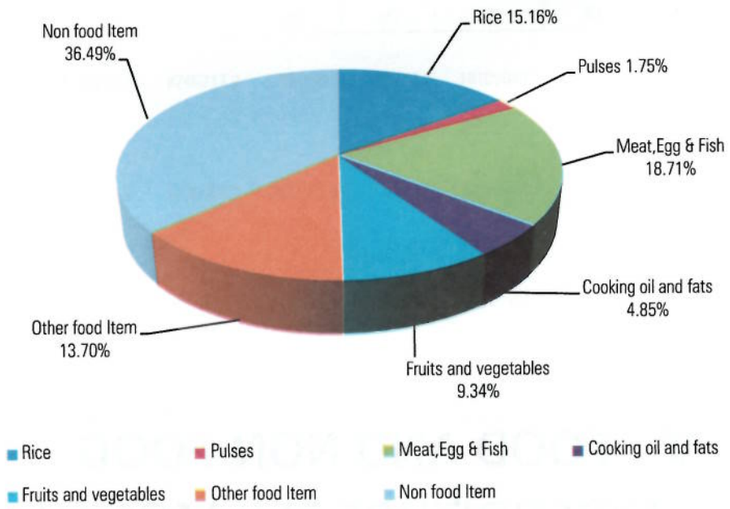
Table 4.03 Share of Agriculture, Livestock and Forestry (At Current Producer's Prices)

S.N.	Year	G.D.P ((Million of Kyat)	Agriculture, Livestock and Forestry (Million of Kyat)				Share in G.D.P(%)			
			Agriculture	Livestock and Fishery	Forestry	Total	Agriculture	Livestock and Fishery	Forestry	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1	2007-2008	23336112.7	8246217.0	1766220.3	97412.2	10109849.5	35.3	7.6	0.4	43.3
2	2008-2009	29233288.0	9235953.3	2421891.6	115889.8	11773734.7	31.6	8.3	0.4	40.3
3	2009-2010	33905665.6	9956185.7	2826546.0	133649.6	12916381.3	29.4	8.3	0.4	38.1
4	2010-2011	39776764.9	11108404.4	3392103.2	158453.7	14658961.3	27.9	8.5	0.4	36.8
5	2011-2012	46307887.7	11113043.0	3758635.4	176617.3	15048295.7	24.0	8.1	0.4	32.5
6	2012-2013	51259260.0	11349615.2	4141221.1	189473.7	15680310.0	22.1	8.1	0.4	30.6
7	2013-2014	58011626.0	12316081.8	4631983.8	184928.7	17132994.3	21.2	8.0	0.3	29.5
8	2014-2015	65261890.2	12780581.2	5243293.9	138380.1	18162255.2	19.6	8.0	0.2	27.8
9	2015-2016 (p.a)	72714021.2	13417668.2	5906519.1	142649.5	19466836.8	18.5	8.1	0.2	26.8
10	2016-2017 (End of March)	79720897.9	13736113.2	6505195.6	58726.8	20300035.6	17.2	8.2	0.1	25.5

Source : Planning Department .

V . FOOD AND NON-FOOD EXPENDITURE PER MONTH AT HOUSEHOLD LEVEL

Figure 5.1 MONTHLY HOUSEHOLD EXPENDITURE BY GROUP(2012,UNION)



Source:Central Statistical Organization.

Table 5.01 Monthly Household Expenditure by Group, Union (2006,2012)

(Value-Kyat)

S.N	Particulars	2006		2012	
		Value	%	Value	%
I.	SIZE OF HOUSEHOLD	4.72		4.72	
II.	HOUSEHOLD EXPENDITURE TOTAL	97699.87	100.00	167434.20	100.00
	1.FOOD AND BEVERAGES TOTAL	69170.71	70.80	106341.76	63.51
	Rice	17891.45	18.31	25377.40	15.16
	Pulses	1842.16	1.89	2936.52	1.75
	Meat	7824.56	8.01	13748.24	8.21
	Eggs	2369.46	2.43	3366.63	2.01
	Fish and crustacea (fresh)	5252.35	5.38	9242.49	5.52
	Fish and crustacea (dried)	2926.79	3.00	4978.83	2.97
	Ngapi and nganpyaye	1687.13	1.73	2234.00	1.33
	Cooking oil and fats	5536.11	5.67	8126.95	4.85
	Fruits and vegetables	8826.45	9.04	15625.67	9.34
	Spices and condiments	4727.99	4.84	1219.26	0.73
	Beverages	1444.26	1.48	4002.10	2.39
	Sugar and other food	1136.83	1.16	1216.45	0.73
	Milk and milk products	342.86	0.35	650.13	0.39
	Other miscellaneous food 1/	7362.31	7.53	13617.09	8.13
	2.NON-FOOD TOTAL	28529.16	29.20	61092.44	36.49
	Tobacco	469.69	0.48	769.61	0.46
	Fuel and light	6998.15	7.16	9027.55	5.39
	Clothing and apparel	2318.35	2.37	4527.05	2.70
	Personal use goods	1715.16	1.76	3252.63	1.94
	Cleansing and toilet	2430.62	2.49	3623.79	2.16
	Stationery and school supplies	122.61	0.13	326.76	0.20
	Crockery	111.78	0.11	202.16	0.12
	Furniture	178.14	0.18	576.37	0.34
	Medical care	1286.01	1.32	3257.75	1.95
	House rent and repairs	1415.97	1.45	3855.34	2.30
	Recreation	161.39	0.17	281.53	0.17
	Charity and ceremonials	3780.18	3.87	6690.56	4.00
	Travelling expenses	4353.09	4.46	9519.10	5.68
	Education	1714.10	1.75	4095.12	2.45
	Other household goods	195.58	0.20	7229.32	4.32
	Other expenses	1278.34	1.31	3857.80	2.30

1/Includes food taken outside home

Source: Central Statistical Organization.

Table 5.02 Monthly Expenditure of Urban Household by Group, Union (2006,2012)

(Value-Kyat)

S.N	Particulars	2006		2012	
		Value	%	Value	%
I.	SIZE OF HOUSEHOLD	4.87		4.67	
II.	HOUSEHOLD EXPENDITURE TOTAL	113320.51	100.00	202155.32	100.00
	1.FOOD AND BEVERAGES TOTAL	77345.92	68.25	121843.00	60.27
	Rice	18186.16	16.05	23810.51	11.78
	Pulses	2046.60	1.81	2985.27	1.48
	Meat	9414.54	8.31	16593.64	8.21
	Eggs	2837.48	2.50	4019.52	1.99
	Fish and crustacea (fresh)	6260.64	5.52	11747.79	5.81
	Fish and crustacea (dried)	3240.12	2.86	6701.44	3.31
	Ngapi and nganpyaye	1683.00	1.49	1914.05	0.95
	Cooking oil and fats	5887.05	5.20	8863.44	4.38
	Fruits and vegetables	9560.30	8.43	17039.54	8.43
	Spices and condiments	5096.85	4.50	1295.83	0.64
	Beverages	1782.23	1.57	5189.32	2.57
	Sugar and other food	864.59	0.76	793.58	0.39
	Milk and milk products	523.94	0.46	1125.94	0.56
	Other miscellaneous food 1/	9962.41	8.79	19763.13	9.78
	2.NON-FOOD TOTAL	35974.59	31.75	80312.32	39.73
	Tobacco	416.76	0.37	622.11	0.31
	Fuel and light	8200.55	7.24	10176.21	5.03
	Clothing and apparel	2501.78	2.21	5068.53	2.51
	Personal use goods	1984.32	1.75	3953.16	1.96
	Cleansing and toilet	2872.78	2.54	4375.29	2.16
	Stationery and school supplies	256.71	0.23	732.21	0.36
	Crockery	103.76	0.09	200.79	0.10
	Furniture	147.98	0.13	719.06	0.36
	Medical care	1523.92	1.34	4246.97	2.10
	House rent and repairs	2573.11	2.27	5921.03	2.93
	Recreation	196.23	0.17	334.44	0.17
	Charity and ceremonials	4178.77	3.69	7128.23	3.53
	Travelling expenses	6706.88	5.92	12616.20	6.24
	Education	2398.79	2.12	5742.78	2.84
	Other household goods	208.75	0.18	12739.33	6.30
	Other expenses	1703.50	1.50	5735.98	2.84

1/Includes food taken outside home

Source: Central Statistical Organization.

Table 5.03 Monthly Expenditure of Rural Household by Group, Union(2006,2012)

(Value-Kyat)

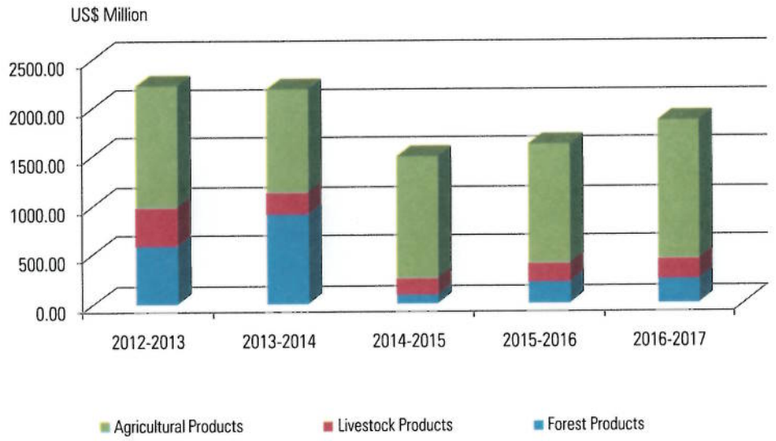
S.N	Particulars	2006		2012	
		Value	%	Value	%
I.	SIZE OF HOUSEHOLD	4.67		4.76	
II.	HOUSEHOLD EXPENDITURE TOTAL	90631.85	100.00	152010.72	100.00
	1.FOOD AND BEVERAGES TOTAL	65358.17	72.11	99455.97	65.43
	Rice	17781.50	19.62	26073.42	17.15
	Pulses	1814.61	2.00	2914.87	1.92
	Meat	6923.67	7.64	12484.29	8.21
	Eggs	2194.62	2.42	3076.61	2.02
	Fish and crustacea (fresh)	4825.62	5.32	8129.62	5.35
	Fish and crustacea (dried)	2821.10	3.11	4213.53	2.77
	Ngapi and nganpyaye	1688.67	1.86	2376.12	1.56
	Cooking oil and fats	5309.74	5.86	7799.79	5.13
	Fruits and vegetables	8480.76	9.35	14997.62	9.86
	Spices and condiments	4726.34	5.21	1185.25	0.78
	Beverages	1337.13	1.48	3474.72	2.29
	Sugar and other food	1388.49	1.53	1404.29	0.92
	Milk and milk products	226.44	0.25	438.77	0.29
	Other miscellaneous food 1/	5839.49	6.44	10886.97	7.16
	2.NON-FOOD TOTAL	25273.68	27.89	52554.75	34.57
	Tobacco	539.07	0.59	835.13	0.55
	Fuel and light	6383.35	7.04	8517.30	5.60
	Clothing and apparel	2256.44	2.49	4286.51	2.82
	Personal use goods	1589.75	1.75	2941.45	1.94
	Cleansing and toilet	2205.77	2.43	3289.97	2.16
	Stationery and school supplies	49.78	0.05	146.65	0.10
	Crockery	128.24	0.14	202.76	0.13
	Furniture	204.10	0.23	512.99	0.34
	Medical care	1272.06	1.40	2818.33	1.85
	House rent and repairs	910.93	1.01	2937.74	1.93
	Recreation	151.82	0.17	258.03	0.17
	Charity and ceremonials	3515.42	3.88	6496.14	4.27
	Travelling expenses	3394.81	3.75	8143.33	5.35
	Education	1317.76	1.45	3363.21	2.21
	Other household goods	195.03	0.22	4781.72	3.15
	Other expenses	1159.35	1.28	3023.49	1.99

1/Includes food taken outside home

Source: Central Statistical Organization.

VI . EXPORT AND IMPORT OF AGRICULTURE, LIVESTOCK AND FORESTRY PRODUCTS

Figure 6.1 EXPORT OF AGRICULTURAL,LIVESTOCK AND FORESTY PRODUCTS



Source:Custom Department.

Table 6.01 Export of Major Agricultural Products

Commodity (1)	Unit (2)	2012-2013 (3)	2013-2014 (4)	2014-2015 (5)	2015-2016 (6)	2016-2017 (7)
1.RICE AND RICE PRODUCTS						
Rice	US$(Million)	195.90	107.28	101.94	67.77	113.64
	MT(000)	556.50	304.10	289.70	193.20	369.20
Broken Rice	US$(Million)	16.85	26.71	48.86	34.32	88.42
	MT(000)	52.40	87.10	171.40	125.40	301.90
2.MAIZE	US$(Million)	7.34	0.17	1.52	0.16	13.89
	MT(000)	25.00	0.60	4.80	0.80	76.50
3.PULSES						
Matpe (Black Gram)	US$(Million)	380.48	372.03	468.38	496.92	667.51
	MT(000)	654.30	636.90	624.20	481.40	556.00
Pedisein (Green Gram)	US$(Million)	199.23	207.00	209.65	202.74	143.98
	MT(000)	268.00	234.80	205.20	205.10	173.20
Htawbutpe (Butter Bean)	US$(Million)	8.54	9.15	11.54	8.64	7.42
	MT(000)	12.70	13.30	15.10	16.00	17.80
Pegadipa (Sultani/Sultapya)	US$(Million)	1.48	2.06	1.60	1.41	1.07
	MT(000)	2.70	3.30	3.00	3.00	2.40
Bocate(Cow Pea)	US$(Million)	0.64	0.57	1.01	0.39	5.58
	MT(000)	1.40	0.80	2.30	0.70	9.10
Gram (Chick Pea)	US$(Million)	34.13	2.32	8.05	19.36	28.09
	MT(000)	46.60	3.20	15.80	35.10	35.00
Pesingon (Pigeon Pea)	US$(Million)	170.38	114.36	207.41	229.73	159.26
	MT(000)	305.50	187.50	306.00	226.60	183.80
Peyin (Rice Bean)	US$(Million)	2.47	1.16	2.09	2.38	3.51
	MT(000)	6.60	3.40	3.90	5.70	9.10
Pegyi (Lablab Bean)	US$(Million)	1.09	1.93	1.87	0.60	1.72
	MT(000)	1.30	1.90	2.30	0.90	3.10
Pelun	US$(Million)	34.04	19.69	29.77	16.65	13.49
	MT(000)	38.10	32.80	52.50	26.50	21.70
Red Kidney Bean	US$(Million)	10.13	-	9.40	10.30	11.95
	MT(000)	11.70	-	11.11	15.70	18.10
Peboke (Soy Bean)	US$(Million)	0.10	-	0.26	0.08	0.11
	MT(000)	0.20	-	0.70	0.10	0.20
Pebyugale (Duffin Bean)	US$(Million)	0.09	0.12	0.16	0.11	0.16
	MT(000)	0.10	0.20	0.20	0.20	0.30
Other Pulses	US$(Million)	1.88	12.21	-	1.17	1.93
	MT(000)	3.50	14.10	-	2.90	3.00
4.COTTON	US$(Million)	*	*	0.02	-	-
	MT(000)	**	**	**	-	-

Note: * Less than One Million
** Less than 0.05 Thousand Metric Ton

Table 6.01 Export of Major Agricultural Products (Concl'd)

Commodity (1)	Unit (2)	2012-2013 (3)	2013-2014 (4)	2014-2015 (5)	2015-2016 (6)	2016-2017 (7)
5.JUTE	US$(Million)	-	-	-	-	-
	MT(000)	-	-	-	-	-
6.OTHER AGRICULTURE PRODUCT						
Tobacco(Myanmar)	US$(Million)	-	-	-	-	-
	MT(000)	-	-	-	-	-
Tobacco(Virgina)	US$(Million)	3.87	0.13	1.36	4.68	3.62
	MT(000)	1.20	**	0.80	2.40	1.70
Chillies	US$(Million)	-	-	0.02	0.06	0.07
	MT(000)	-	-	**	**	**
Rubber	US$(Million)	85.88	71.60	38.04	31.46	55.84
	MT(000)	29.40	31.2	27.80	30.8	41.80
Sesamum Seeds	US$(Million)	65.40	49.57	27.01	24.88	30.04
	MT(000)	65.20	26.1	12.70	14.4	19.30
Ginger	US$(Million)	0.60	2.47	1.17	1.28	0.65
	MT(000)	1.20	4.40	1.10	1.30	1.00
Onion	US$(Million)	2.12	5.09	2.45	3.15	2.23
	MT(000)	5.40	14.20	9.70	12.20	7.60
Betel Nuts	US$(Million)	0.89	1.59	0.46	0.37	0.87
	MT(000)	0.70	1.00	0.50	0.50	1.30
Ninger Seeds	US$(Million)	0.03	-	2.72	5.63	7.23
	MT(000)	**	-	3.60	7.30	8.80
Coffee Seeds	US$(Million)	*	0.15	0.35	0.65	0.30
	MT(000)	**	0.10	0.30	0.10	0.00
Cashew Kernel Whole	US$(Million)	1.17	2.22	2.66	3.59	3.82
	MT(000)	0.40	0.50	0.60	0.70	0.60
Tamarind	US$(Million)	3.76	1.86	5.60	4.63	5.02
	MT(000)	8.90	3.40	19.50	11.70	13.20
Turmeric Finger	US$(Million)	1.63	1.79	3.05	6.68	6.41
	MT(000)	3.20	3.70	6.00	9.60	8.40
Black Cumin Seeds	US$(Million)	-	-	0.05	0.29	0.22
	MT(000)	-	-	0.20	0.40	0.30
Corrinder Seeds	US$(Million)	0.18	1.07	0.19	0.95	0.33
	MT(000)	0.30	1.70	0.30	1.40	0.70
Mustard Seeds	US$(Million)	-	-	-	-	-
	MT(000)	-	-	-	-	-
Cardamon Amomi	US$(Million)	-	0.30	0.53	0.89	1.59
	MT(000)	-	**	0.10	0.10	0.10
Cinnamon	US$(Million)	-	0.19	-	-	-
	MT(000)	-	**	-	-	-
Garlic	US$(Million)	-	-	-	0.01	0.01
	MT(000)	-	-	-	**	**
Other	US$(Million)	15.97	43.33	50.67	41.19	33.76

Note: * Less than One Million
** Less than 0.05 Thousand Metric Ton

Source: Customs Department.

Table 6.02 Export of Major Livestock Products

Particular (1)	Unit (2)	2012-2013 (3)	2013-2014 (4)	2014-2015 (5)	2015-2016 (6)	2016-2017 (7)
1.ANIMAL PRODUCT						
Cow Hide	US$(Million)	5.87	5.53	3.45	4.20	4.22
	MT(000)	9.10	8.50	5.40	6.50	6.60
Sheep Hide	US$(Million)	0.01	0.03	0.38	0.03	0.01
	MT(000)	**	0.10	0.70	0.10	**
Honey	US$(Million)	2.00	3.06	2.26	2.61	2.43
Other	US$(Million)	11.89	2.04	2.31	0.64	0.20
2.MARINE PRODUCT						
Fish	US$(Million)	282.21	157.55	109.48	127.78	136.70
	MT(000)	137.30	123.80	106.30	129.50	121.00
Prawn	US$(Million)	64.56	31.13	29.51	27.79	38.16
	MT(000)	20.40	13.50	11.90	10.70	11.10
Dry Sea Maw(Fish)	US$(Million)	0.01	0.49	-	*	0.05
	MT(000)	**	0.60	-	0.20	0.00
Dried Fish	US$(Million)	8.57	2.54	3.65	5.07	6.13
	MT(000)	3.50	1.60	2.40	3.30	3.80
Crabs	US$(Million)	3.94	4.33	6.57	12.63	16.38
	MT(000)	1.10	1.10	1.60	2.80	2.40
Other	US$(Million)	13.48	9.81	10.35	13.79	-

Note: * Less than One Million
**Less than 0.05 Thousand Metric Ton

Source: Customs Department.

Table 6.03 Export of Major and Minor Forest Products

Commodity (1)	Unit (2)	2012-2013 (3)	2013-2014 (4)	2014-2015 (5)	2015-2016 (6)	2016-2017 (7)
1.MAJOR FOREST PRODUCT						
Teak Logs	US$(Million)	324.66	637.49	-	-	-
	Cu.Ton(000)	480.9	908.90	-	-	-
Teak Conversion	US$(Million)	31.71	30.19	35.65	80.81	80.57
	Cu.Ton(000)	25.0	26.90	19.10	42.70	36.10
Hardwood Logs	US$(Million)	209.14	223.60	-	-	-
	Cu.Ton(000)	722.3	592.70	-	-	-
Hardwood Conversion	US$(Million)	8.84	7.06	4.15	23.92	37.51
	Cu.Ton(000)	15.2	10.10	3.90	21.70	30.70
Hardwood and Plywood (Veneer)	US$(Million)	7.94	10.84	37.27	85.83	103.79
Other	US$(Million)	4.11	5.74	10.29	17.13	17.33
2.MINOR FOREST PRODUCT						
Bamboo Pole	US$(Million)	0.05	0.13	0.16	0.24	0.28
Rattan and Rattan Ware	US$(Million)	0.09	1.21	0.95	1.02	1.96
Cutch	US$(Million)	0.19	0.22	0.10	0.14	0.23
	MT(000)	0.20	176.20	0.20	0.30	0.40
Other	US$(Million)	0.11	0.25	0.09	0.07	0.07

Source: Customs Department.

Table 6.04 Import of Selected Agricultural Commodities and Manufactures

(US$ Million)

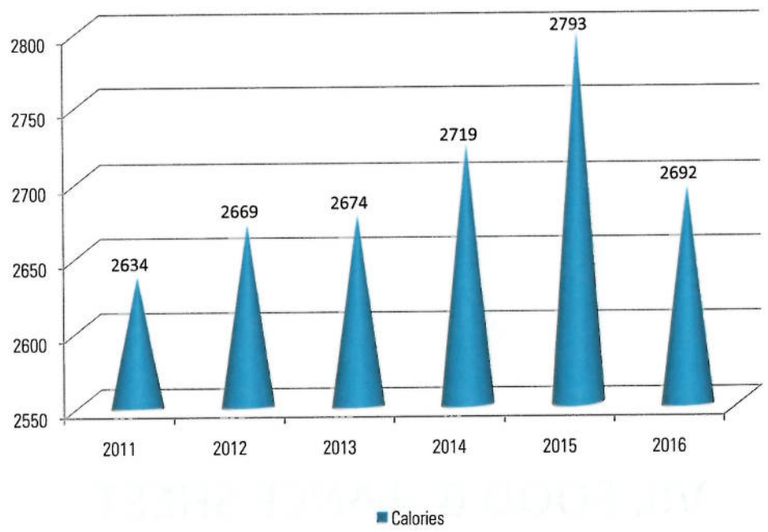
S.N	Commodities	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017
1	Trailers non-motorised Vehicles	17.78	27.47	10.77	7.01	9.28
2	Fishing nets and Fishing lines	1.54	2.67	3.24	3.69	5.05
3	Wheat grain	0.05	0.14	2.86	0.21	10.56
4	Wheat flour	0.48	0.53	1.19	3.02	4.30
5	Cotton	1.75	6.59	5.60	2.90	18.66
6	Jute	-	-	*	0.19	0.37
7	Linseed oil	0.01		*	0.01	0.08
8	Fertilizer, manufactured	23.15	52.79	79.8	71.74	117.75
9	Rubber	5.69	5.55	4.59	6.74	10.72
10	Spices	3.83	4.50	3.97	-	4.49

Note: * less than 0.05

Source: Customs Department.

VII. FOOD BALANCE SHEET

Figure 7.1 FOOD AVAILABILITY / SUPPLY (PERSON/DAY) IN DIETARY ENERGY SUPPLY PER CAPITA CALORIE, 2011-2016



METHODOLOGY SHEET | **Food Balance Sheet**

Responsible Unit (Service or Structure)	Central Statistical Organization
Level of Disaggregation	Union
Coverage	Most crop and livestock products under agricultural activity which are significant for Myanmar food production
Study Variables	Calorie per capita per day; Protein per capita per day; Fat per capita per day
Classification Variables	FAO commondity list
Type of Dissemination	Publication(Book)
Frequency of Dissemination	Yearly
Frequency of Data Collection	Yearly
Statistical Units	For **Production of Crops, Livestock and Fishery:** Agricultural holdings. **For Trade:** All Crops and Livestock products traded which were sourced from Custom Department.
Data Description	Food Balance Sheet presents a comprehensive picture of the pattern of a Myanmar's food supply during 2011-2016. Our food balance sheet shows for each food item which reflects primary commodity, the sources of supply and its utilization. The total quantity of foodstuffs produced in Myanmar was added to the total quantity imported which gives the supply available during that period. On the utilization side, we can distinguish between the quantities exported, feed to livestock, used for seed, put to manufacture for food use and non- food uses, losses during storage and transportation, and food supplies available for human consumption. The per capita supply of each such food item available for human consumption is then obtained by dividing the respective quantity by the related data on the population during that period. Data on per capita food supplies are expressed in terms of quantity and (by applying appropriate food composition factors for all primary and derived processed products) also in terms of caloric value and protein and fat content.

METHODOLOGY SHEET | Food Balance Sheet

Statistical Concepts and Defination	Myanmar Food Balance Sheets(FBS) are started compiling for the first time in 2017, mainly with country - level data on the production and trade of food commodities. Using these data and the available information on seed rates, waste rates , estimated stock changes and types of utilization (Seed, Feed, Food, Processing and Other Utilization), a supply/utilization account was prepared for each commodity in weight terms. The food component of the commodity account, which is usually derived as a balancing item, refers to the total amount of the commodity available for human consumption during the year. Besides commodity-by-commodity information, the MM FBS also provide total food availability estimates by aggregating the food component of all available commodities including fishery products. From these values and the available population estimates, the per person dietary energy and protein and fat supplies are derived and expressed on a daily basis. In the FBS production data refer only to primary products while data for all other elements also including processed products derived there from, expressed in primary commodity equivalent.
Time Coverage	2011-2016
Unit of Measure	Domestic Supply Quantity (Production, Import, Stock Change, Export), Domestic Utilization Quantity(Feed, Seed, Processed, Waste, Other Utli, Food are expressed in ['000 MT]. Food Supply Quantity [kg/capita/year],Calories Supply Quantity[kg/capita/day], Protein Supply Quantity and Fat Supply Quantity are expressed in [g/capita/day],Total Population is expressed both sexes in ['000].
Institutional Mandate	Statistical Law (2018)
Documentation on Methodology	FAO FBS Guidebook and Word Nutrition Standards
Source Data	The main source is official statistics from the Department of Agricultural Land Management and Statistics, Department of Fisheries, Livestock Breeding and Veterinary Department and Central Statistical Organization.
Type of Data Collection	Administrative records
Table	7.01, 7.02, 7.03

Table 7.01 Food Availability / Supply (person/day) in Dietary Energy and Macronutrients, 2011-2016

Dietary Energy and Macro-nutrients (per person/ day)	2011	2012	2013	2014	2015	2016
Dietary energy supply (kcal)	2634	2669	2674	2719	2793	2692
Protein (gram)	84	84	82	83	90	78
Fats (gram)	54	59	64	66	64	54

Table 7.02 Per Capita Food Availability / Supply (person/day) in Dietary Energy and Macronutrients of Food Commodities, 2011-2016

Products	PER CAPITA SUPPLY (Kg/person/day)																	
	2011			2012			2013			2014			2015			2016		
	Calories	Proteins	Fats	Calories	Proteins	Fats	Calories	Proteins	Fats	Calories	Proteins	Fats	Calories	Proteins	Fats	Calories	Proteins	Fats
Cereals (excl. beer)	1422	27	2	1615	31	3	1434	27	3	1463	28	3	1492	28	3	1523	29	3
Starchy roots	52	1	0	25	0	0	39	0	0	27	0	0	38	1	0	38	1	0
Sugar crops	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0
Sugar & Sweeteners	87	0	0	118	0	0	100	0	0	99	0	0	122	0	0	123	0	0
Pulses	268	15	2	66	4	0	187	9	2	156	8	2	203	10	2	180	9	2
Treenuts	24	0	1	24	0	1	27	1	1	22	0	1	23	0	1	23	0	1
Oilcrops	134	3	12	78	3	7	121	2	11	102	3	9	70	2	6	77	2	7
Vegetable oils	132	0	15	219	0	25	142	0	16	226	0	26	153	0	17	151	0	17
Vegetables	23	2	0	45	2	0	83	5	1	84	5	1	83	5	1	86	5	1
Fruits	117	1	1	60	1	0	65	1	0.3	65	1	0	70	1	0	71	1	0
Stimulants	2	0	0	2	0	0	3	0	0	4	0	0	4	0	0	2	0	0
Spices	0	0	0	0	0	0	7	0	0	14	0	0	14	0	0	15	0	0
Alcoholic beverages	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0
Meat	128	8	9	179	18	11	241	16	19	273	20	17	348	26	24	174	10	13
Offals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Animal fats	20	0	2	27	0	3	28	0	3	28	0	3	27	0	3	14	0	2
Milk (excluding butter)	3	0	0	32	2	2	37	2	2	6	0	0	6	0	0	10	1	1
Eggs	32	3	2	23	2	2	36	3	3	46	4	4	45	4	3	52	4	4
Fish & sea food	186	24	7	157	21	6	129	17	5	135	18	5	95	12	3	95	12	3
Miscellaneous	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0

Table 7.03 FOOD BALANCE SHEET (2011)

Population ('000): 50100

Products	DOMESTIC SUPPLY (1000 MT)					DOMESTIC UTILIZATION (1000 MT)						PER CAPITA SUPPLY			
	Prod.	Imports	Stock change	Exports	Total D.S.	Feed	Seed	Proces ed	Waste	Oth.Util.	Food	PER YEAR FOOD	PER DAY		
	(1000 Metric Tons)											Kg	Calories units	Proteins grams	Fats grams
Grand total													2634	84	54
Vegetable prod.													2264	49	33
Animal prod.													369	35	21
Cereals (excl. beer)	21242	313	-262	1158	20136	5511	278	15273	3689	2126	9401	188	1422	27	2
Starchy roots	1294	0	0	0	1294	0	75	197	101	0	936	19	52	1	0
Sugar crops	9858	0	0	0	9858	0	1	8181	1183	493	0	0	0	0	0
Sugar & Sweeteners	902.2	1	0	2	902	0	0	0	0	445	456	9	87	0	0
Pulses	3935	0	0	1296	2639	68	254	694	183	0	1548	31	268	15	2
Treenuts	223.2	0	0	0.4	223	0	0	0	5	331	218	4	24	0	1
Oilcrops	4198	0	0	36	4163	0	159	2253	149	306	996	20	134	3	12
Vegetable oils	987.2	4	0	0	991	0	0	0	21	597	274	5	132	0	15
Vegetables	3724	5	0	1	3728	0	0	1426	354	0	1948	39	23	2	0
Fruits	4737	1	0	0	4738	0	0	1113	380	0	3246	65	117	1	1
Stimulants	102	66	0	0	167	0	0	100	2	0	65	1	2	0	0
Spices	74	0	0	0	74	0	0	0	0	74	0	0	0	0	0
Alcoholic beverages	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meat	1218	1	0	0	1219	0	0	0	0	0	1219	24	128	8	9
Offals	140	0	0	0	140	0	0	0	0	271	0	0	0	0	0
Animal fats	145	50	0	0	195	0	0	0	0	145	50	1	20	0	2
Milk (excluding butter)	167	21	0	0	187	0	0	75	8	0	103	2	3	0	0
Eggs	376	0	0	0	376	0	5	0	22	0	349	7	32	3	2
Fish & sea food	4478	0	0	292	4186	0	0	0	86	0	4100	82	186	24	7
Miscellaneous	12	1	0	0	12	0	0	0	0	0	12	0	2	0	0

Table 7.03 FOOD BALANCE SHEET (2012)

Population ('000): 50667

Products	DOMESTIC SUPPLY (1000 MT)					DOMESTIC UTILIZATION (1000 MT)						PER CAPITA SUPPLY			
	Prod.	Imports	Stock change	Exports	Total D.S.	Feed	Seed	Proces ed	Waste	Oth.Util.	Food	PER YEAR FOOD	PER DAY		
	(1000 Metric Tons)											(Kg.)	Calories units	Proteins grams	Fats grams
Grand total													2669	84	59
Vegetable prod.													2251	42	36
Animal prod.													418	42	23
Cereals (excl. beer)	20410	377	0	601	20186	16635	276	3067	3550	5129	8979	177	1615	31	3
Starchy roots	1139	0	0	0	1139	0	75	405	114	0	560	11	25	0	0
Sugar crops	9564	0	0	0	9564	0	6	7932	1148	478	0	0	0	0	0
Sugar & Sweeteners	799	11	0	6	805	0	0	0	0	0	805	16	118	0	0
Pulses	4223	0	0	1353	2871	0	138	1348	353	204	351	7	66	4	0
Treenuts	233	0	0	0	233	0	0	0	12	5	217	4	24	0	1
Oilcrops	4145	2	0	66	4081	0	157	2303	141	1276	312	6	78	3	7
Vegetable oils	979	293	0	0	1272	0	0	208	8	599	459	9	219	0	25
Vegetables	3894	10	0	5	3899	104	1	520	440	297	2537	50	45	2	0
Fruits	2517	76	0	102	2492	0	0	468	194	0	1830	36	60	1	0
Stimulants	104	73	0	0	178	0	0	103	2	1	72	1	2	0	0
Spices	70	1	0	1	70	0	0	0	0	69	1	0	0	0	0
Alcoholic beverages	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0
Meat	2039	1	0	0	2040	0	0	541	0	0	2581	51	179	18	11
Offals	11	0	0	0	11	0	0	0	0	9	7	0	0	0	0
Animal fats	243	64	0	0	307	0	0	33	0	205	69	1	27	0	3
Milk (excluding butter)	1819	71	0	0	1890	0	0	819	91	0	981	19	32	2	2
Eggs	400	0	0	0	400	0	5	121	23	0	251	5	23	2	2
Fish & sea food	4716	0	0	302	4415	0	0	0	916	0	3499	69	157	21	6
Miscellaneous	10	1	0	10	1	0	0	0	0	1	0	0	0	0	0

Table 7.03 FOOD BALANCE SHEET (2013)

Population ('000): 51200

Products	DOMESTIC SUPPLY (1000 MT)					DOMESTIC UTILIZATION (1000 MT)						PER CAPITA SUPPLY			
	Prod.	Imports	Stock change	Exports	Total D.S.	Feed	Seed	Processed	Waste	Oth.Util.	Food	PER YEAR FOOD	PER DAY		
	(1000 Metric Tons)											(Kg.)	Calories units	Proteins grams	Fats grams
Grand total													2674	82	64
Vegetable prod.													2209	45	33
Animal prod.													465	37	31
Cereals (excl. beer)	20942	107	-329	499	20222	6309	267	16247	3752	3290	8935	175	1434	27	3
Starchy roots	1073	0	0	0	1073	0	73	215	80	0	706	14	39	0	0
Sugar crops	10473	0	0	0	10473	0	338	8354	1257	524	0	0	0	0	0
Sugar & Sweeteners	974	16	0	3	986	0	0	444	0	0	542	11	100	0	0
Pulses	4328	1	0	1132	3197	79	236	1428	393	159	1008	20	187	9	2
Treenuts	249	0	0	1	248	0	0	0	5	0	243	5	27	1	1
Oilcrops	4385	3	0	26	4361	0	99	2152	251	689	1172	23	121	2	11
Vegetable oils	827	559	0	0	1386	0	0	53	5	1029	301	6	142	0	16
Vegetables	5449	16	0	14	5450	0	44	208	424	0	4774	93	83	5	1
Fruits	2588	90	0	121	2558	0	0	425	195	0	1938	38	65	1	0
Stimulants	106	108	0	0	214	0	0	107	2	0	106	2	3	0	0
Spices	75	2	0	1	75	0	0	0	0	37	37.9	1	7	0	0
Alcoholic beverages	0	5	0	0	5	0	0	0	0	0	5	0	1	0	0
Meat	3075	1	0	0	3075	0	0	304	247	0	2524	49	241	16	19
Offals	263	0	0	0	263	0	0	0	17	263	0	0	0	0	0
Animal fats	195	70	0	0	265	0	0	0	0	191	74	1	28	0	3
Milk (excluding butter)	1963	96	0	0	2058	0	0	795	98	0	1165	23	37	2	2
Eggs	479	0	0	0	479	0	56	0	27	0	396	8	36	3	3
Fish & sea food	5047	11	0	124	4934	0	0	1011	1012	0	2911	57	129	17	5
Miscellaneous	10	3	0	4	8	0	0	7	0	2	0	0	0	0	0

Table 7.03 FOOD BALANCE SHEET (2014)

Population ('000): 51990

Products	DOMESTIC SUPPLY (1000 MT)					DOMESTIC UTILIZATION (1000 MT)						PER CAPITA SUPPLY			
	Prod.	Imports	Stock change	Exports	Total D.S.	Feed	Seed	Processed	Waste	Oth.Util.	Food	PER YEAR FOOD	PER DAY		
	(1000 Metric Tons)											(Kg.)	Calories units	Proteins grams	Fats grams
Grand total													2719	83	66
Vegetable prod.													2273	45	40
Animal prod.													446	39	26
Cereals (excl. beer)	19373	384	0	371	19386	13259	276	21381	3587	1789	8296	160	1463	28	3
Starchy roots	1035	1	0	0	1036	0	75	394	28	0	539	10	27	0	0
Sugar crops	11454	0	0	2	11452	0	550	9184	1145	0	573	11	9	0	0
Sugar & Sweeteners	1049	26	0	2	1072	0	0	523	0	0	550	11	99	0	0
Pulses	4349	0	0	1242	3108	80	237	1671	251	159	842	16	156	8	2
Treenuts	243	0	0	33	210	0	0	0	4	361	206	4	22	0	1
Oilcrops	3173	2	0	14	3162	303	101	2347	151	491	568	11	102	3	9
Vegetable oils	1362	597	0	0	1960	0	0	273	55	1179	486	9	226	0	26
Vegetables	5589	43	0	10	5622	0	46	213	435	0	4929	95	84	5	1
Fruits	2670	98	0	1023	1745	0	0	420	207	0	1895	36	65	1	0
Stimulants	109	155	0	0	263	0	0	110	2	0	152	3	4	0	0
Spices	75	1	0	1	75	0	0	0	0	0	75	1	14	0	0
Alcoholic beverages	0	11	0	0	11	0	0	0	0	0	11	0	2	0	0
Meat	3519	2	0	0	3521	0	0	164	236	0	3120	60	273	20	17
Offals	1964	0	0	0	1964	0	0	0	125	1964	0	0	0	0	0
Animal fats	1397	75	0	0	1472	0	0	0	0	1397	75	1	28	0	3
Milk (excluding butter)	238	116	0	0	353	0	0	97	12	0	244	5	6	0	0
Eggs	517	0	0	0	517	0	6	0	3	0	508	10	46	4	4
Fish & sea food	5317	4	0	106	5214	0	0	1064	1064	0	3086	59	135	18	5
Miscellaneous	10	4	0	351	-338	0	0	0	0	3	0	0	0	0	0

Table 7.03 FOOD BALANCE SHEET (2015)

Population ('000): 52445

Products	DOMESTIC SUPPLY (1000 MT)					DOMESTIC UTILIZATION (1000 MT)						PER CAPITA SUPPLY			
	Prod.	Imports	Stock change	Exports	Total D.S.	Feed	Seed	Proces ed	Waste	Oth.Util.	Food	PER YEAR FOOD	PER DAY		
	(1000 Metric Tons)											(Kg.)	Calories units	Proteins grams	Fats grams
Grand total													2752	87	61
Vegetable prod.													2272	48	30
Animal prod.													481	40	31
Cereals (excl. beer)	20818	556	410	1175	20609	45113	278	32712	2713	277	10008	191	1492	28	3
Starchy roots	1037	1	0	0	1038	0	75	126	75	0	777	15	38	1	0
Sugar crops	10448	0	0	4	10443	0	550	8118	1253	522	0	0	0	0	0
Sugar & Sweeteners	958	23	0	7	974	0	0	401	48	17	659	13	122	0	0
Pulses	6105	25	0	1020	5110	44	287	3307	235	239	1106	21	203	10	2
Treenuts	281.5	2	0	46	237	0	0	0	5	367	220	4	23	0	1
Oilcrops	4478	16	0	2	4492	0	170	2487	141	314	408	8	70	2	6
Vegetable oils	946	701	0	0	1647	0	0	543	107	730	331	6	153	0	17
Vegetables	5589	24	0	12	5600	0	47	244	428	0	4881	93	83	5	1
Fruits	2725	131	0	54	2803	0	0	466	214	0	2124	40	70	1	0
Stimulants	110	159	0	0	269	0	0	109	2	0	158	3	4	0	0
Spices	75	2	0	1	75	0	0	0	0	0	75	1	14	0	0
Alcoholic beverages	0	15	0	0	15	0	0	0	0	15	0	0	0	0	0
Meat	3698	17	0	0	3715	0	0	0	0	0	3983	76	348	26	24
Offals	526	0	0	0	526	0	0	0	0	2113	0	0	0	0	0
Animal fats	51	74	0	0	125	0	0	0	0	1512	74	1	27	0	3
Milk (excluding butter)	238	116	0	0	353	0	0	97	12	0	244	5	6	0	0
Eggs	515	0	0	0	515	0	1	0	3	0	511	10	45	4	3
Fish & sea food	5592	7	0	244	5355	0	0	2969	202	0	2184	42	95	12	3
Miscellaneous	9	4	0	0	13	0	0	6	0	3	0	0	0	0	0

Table 7.03 FOOD BALANCE SHEET (2016)

Population ('000): 52920

Products	DOMESTIC SUPPLY (1000 MT)					DOMESTIC UTILIZATION (1000 MT)						PER CAPITA SUPPLY			
	Prod.	Imports	Stock change	Exports	Total D.S.	Feed	Seed	Proces ed	Waste	Oth.Util.	Food	PER YEAR FOOD	PER DAY		
	(1000 Metric Tons)											(Kg.)	Calories units	Proteins grams	Fats grams
Grand total													2692	78	54
Vegetable prod.													2347	51	31
Animal prod.													345	27	23
Cereals (excl. beer)	19699	512	0	3007	17203	48477	278	30896	2703	47	10442	197	1523	29	3
Starchy roots	996	0	0	0	997	0	75	577	75	0	777	15	38	1	0
Sugar crops	10604	0	0	2	10602	0	550	8277	1253	522	0	0	0	0	0
Sugar & Sweeteners	4	21	0	2	24	0	0	358	96	21	661	12	123	0	0
Pulses	5791	0	0	1032	4759	32	287	3307	201	100	985	19	180	9	2
Treenuts	288	0	0	1	288	0	0	0	5	367	218	4	23	0	1
Oilcrops	2917	131	0	20	3028	0	168	3531	139	344	606	11	77	2	7
Vegetable oils	363	2694	0	0	3056	0	0	0	159	3342	250	5	151	0	17
Vegetables	4375	2003	0	8	6371	0	47	244	420	1	5691	108	86	5	1
Fruits	2865	136	0	1	3000	0	0	467	214	0	2176	41	71	1	0
Stimulants	113	38	0	0	151	0	0	109	2	0	47	1	2	0	0
Spices	79	6	0	1	84	0	0	0	0	2	81	2	15	0	0
Alcoholic beverages	0	10	0	0	10	0	0	0	0	10	1	0	0	0	0
Meat	3129	1	0	0	3129	0	0	1539	0	0	1590	30	174	10	13
Offals	542	0	0	0	542	0	0	0	0	2113	0	0	0	0	0
Animal fats	54	27	0	0	81	0	0	0	0	1512	39	1	14	0	2
Milk (excluding butter)	0	250	0	0	250	0	0	97	12	0	315	6	10	1	1
Eggs	591	0	0	0	591	0	1	0	3	0	587	11	52	4	4
Fish & sea food	5592	36	0	121	5507	0	0	3085	204	0	2218	42	95	12	3
Miscellaneous	0	110	0	0	110	0	0	6	0	84	21	0	4	0	0

Standard Symbols

n.a	Not available
p.a	Provisional Actual
p	Provisional
r	Revised
-	Nil (No data)
K	Kyat (Myanmar currency unit)
KGM	Kilogram
Lb	Pound
MT	Metric Ton
Ton	Long Ton
CT	Cubic Ton
HT	Hoppus Ton
Sqft	Square Feet
Sht	Sheet
No	Number
2U	Pairs
PAR	Pairs
MTR	Meter
L	Litre
BBL	barrel
NMB	Number
U	Number
PCS	Pieces
M	Meter

Fiscal Year

April 1 - March 31

Conversion of Weights and Measures

1 acre	=	0.4047 hectares		
1 bag of rice	=	120 lb. avoir		
1 Viss	=	3.6 lb. avoir		
1 Long ton	=	622.2 viss		
1 Long ton (2240 lb)	=	1.016 metric ton		
Paddy 1 basket	=	46 lb	=	0.0205357 ton
Wheat 1 basket	=	72 lb	=	0.0321428 ton
Maize (seed) 1 basket	=	55 lb	=	0.0245535 ton
Millet 1 basket	=	62 lb	=	0.0276785 ton
Groundnut 1 basket	=	25 lb	=	0.0111607 ton
Sesamun 1 basket	=	54 lb	=	0.0241071 ton
Mustard (seeds) 1 basket	=	57.6 lb	=	0.0257143 ton
Sunflower (seeds) 1 basket	=	32 lb	=	0.0138888 ton
Niger (Panhnar) 1 basket	=	50 lb	=	0.0223214 ton

Matpe
Pedisein
Pesingon
Peboke
Peyin
Penauk
Peyazar
Pelun
Sadawpe

1 basket = 72 lb = 0.0223214 ton

Butter bean
Sultani
Sultapya
Gram
Pebyugale
Pegyi
Pegya

1 basket = 69 lb = 0.0308036 ton

Fiscal Year

Conversion of Weights and Measures

(a) WEIGHT

	viss	*lb*	*kilogram*	*long ton*	*short ton*	*metric ton*
1 viss	1	3.6	1.6329	0.001607143	0.0018	
1 lb	0.2778	1	0.4536			
1 kilogram	0.6124	2.204622	1			
1 long ton	622.2222	2240	1016.047	1	1.12	1.016047
1 short ton	555.5555	2000	907.18	0.89286	1	0.90718
1 metric ton	612.3952	2204.62	1000	0.9842065	1.102311	1

(b) LENGTH

	cm	*feet*	*metre*	*mile*	*kilometer*
1 inch	2.53995	1/12	0.0253995	1/63360	-
1 foot	30.48	1	0.304801	1/5280	-
1 metre	100	3.28085	1	0.0006213	1/1000
1 mile	-	5280	1609.34	1	1.60934
1 kilometre	100000	-	1000	0.621371	1
1 Nautical mile (UK)	-	6080	1853.2	1.151515	1.8532
1 Nautical mile (Intl.)	-	6076.11549	1852	1.150779	1.852

(c) AREA

	acre	*ha*	*sq. mile*	*sq. km*
1 acre	1	0.404686	1/640	0.004047
1 hectometre (ha)	2.473	1	0.003861	1/100
1 square mile	640	258.9981	1	2.589981
1 square kilometer	247.1054	100	0.386102	1

1 long ton/mile = 0.631342 kg/m g/km)
1 lb/sq. in = 703.07 kg/m²
1 gal/mile = 2.825 litre/km
1 USgal/mile = 2.352 litre/km

(d) VOLUME

	true cubic feet	*Hoppus cu. ft.*	*cu. metre*	*true cu. ton*	*Hoppus cu. ton*
1 true cu. ft.	1	0.7853982	0.028317	1/50	0.02546479
1 Hoppus cu. ft.	1.2732395	1	0.036054	0.015707964	1/50
1 cu. meter	35.3147	27.7401	1	0.7064	0.5548
1 true cu. ton	50	3926991	1.41585	1	0.7853982
1 Hoppus cu. ton	63.661975	50	1.8024	1.2732395	1
1 cu. metre/ha	14.29/ac	11.226/ac	0.404686/ac	0.28587/ac	0.22452/ac
1 true cu. ton/ac	123.5529/ha	97.038/ha	3.4986/ha	2.471054/ha	1.9407/ha
1 Hoppus cu. ton/ac	157.3124158/ha	123.5529/ha	4.453834/ha	3.146248/ha	2.471054/ha

Conversion of Weights and Measures

(e) VOLUME

Hoppus cu. ft. (solid)	
1 cu.ft.(stacked)	0.66
1 bag of charcoal (90 lbs)	16
firewood (100 cu. ft. stacked)	66
Firewood 1cartload (45 cu. ft. stacked)	29.7
Post below 1' girth	0.5
Post 1' 0" - 2' 11" girth	5
Log 3' - 4' 5" girth	20
Log 4' 6" girth & over	45

(f) LIQUID

	gallon	*US gallon*	*litre*	*cu. in*	*cu. cm*
1 gallon	1	1.20094	4.54609	277.42	4546.099
1 US gallon	0.832681	1	3.78533	231	3785.397
1 litre	0.22	0.264178	1	61.02545	1000.026

(g) ENERGY

	HP	*HP (metric)*	*kilowatt*	*BTU/hour*	*foot-lb/sec*	*kg-m/sec*	*k-cal/hr*
1 HP	1	1.014	0.7457	2545	550	76.04	641.3
1 HP (metric)	0.9863	1	0.7355	2510	542.5	75	632.6
1 kilowatt	1.341	1.36	1	3413	737.6	102	860
1 BTU/hr	0.0003929	0.0003984	0.000293	1	0.2161	0.02988	0.252

True cubic feet = $p\,(d/2)^2\,L = p\,r^2\,L$

Hoppus cubic feet = $(G/4)^2\,L = (p/4)\,(pd^2/4)\,L = p/4 * pr^2L$

where d = diameter in feet; L = length in feet;

r = radius in feet; G = girth in feet.p = 3.1415927

1 calorie = 0.003968 BTU = 4.1868 joules

1 calorie/sec = 4.1868 watt

1 litre atmosphere = 101.325 Joules

1 Watt = 1 Joule/sec

http://www.csostat.gov.mm
http://www.mmsis.gov.mm