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会場：東京農工大学府中キャンパス

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**Value Chain of Black Gram and Other Pulses by Small Farmers of
Ayeyarwady Delta: the Village Study in Pyapon and Maubin Townships, Myanmar
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Key words: Black Gram, Pulses, Value Chain, Ayeyarwady Delta, Pyapon, Maubin, Myanmar

Introduction

In the 2016/17 season, pulses and rice were around 1,000 mt(metric tonnes) and 700 mt in “Export by commodity”(Eurocham 2018:16). Matpe or Black Gram and Pedesein or Green Gram were 26% and 25%, largest sharing in “Production of beans and pulses”(Eurocham 2018:18). As we have reported in the 126th JSTA annual conference, pulses have been the largest exported crops in Myanmar at least from 2000/01 to 2016/17 crop season. It is commonly known in Myanmar that Black Gram among pulses is cultivated as a commercial crop for export. As we have often listened to the Black Gram growing farmers in Maubin Township, they have always said: “All the products of Black Gram are to be sold out and we do not eat Black Gram at all”. It has been quite strange to Ando because Black Gram is commonly used for Dal soup in India and also common in Myanmar food restaurants. This study has been, therefore, conducted to understand the food balance of Myanmar related to domestic supply and domestic utilization as a country and the consumption situation of pulses

Year	Products	Domestic Supply(1000 MT)					Domestic Utilization(1000 MT)					Per Capita Supply						
		Prod.	Import.	Stock change	Export	Total D.S.	Feed	Seed	Proce ssed	Waste	Other Utili.	Food	Per Year	Per Day	Food (Kg)	Calories Units	Proteins grams	Fats grams
		(1000 Metric Tons)																
2011	Cereals	21242	313	-262	1158	20136	5511	278	15273	3689	2126	9401	188	1422	27	2		
	Pulses	3935	0	0	1296	2639	68	254	694	183	0	1548	31	268	15	2		
2012	Cereals	20410	377	0	601	20186	16635	276	3067	3550	5129	8979	177	1615	31	3		
	Pulses	4223	0	0	1353	2871	0	138	1348	353	204	351	7	66	4	0		
2013	Cereals	20942	107	-329	499	20222	6309	267	16247	3752	3290	8935	175	1434	27	3		
	Pulses	4328	1	0	1132	3197	79	236	1428	393	159	1008	20	187	9	2		
2014	Cereals	19373	384	0	371	19386	13259	276	21381	3587	1789	8296	160	1463	28	3		
	Pulses	4349	0	0	1242	3108	80	237	1671	251	159	842	16	156	8	2		
2015	Cereals	20818	556	410	1175	20609	45113	278	32712	2713	277	10008	191	1492	28	3		
	Pulses	6105	25	0	1020	5110	44	287	3307	235	239	1106	21	203	10	2		
2016	Cereals	19696	512	0	3007	17203	48477	278	30896	2703	47	10442	197	1523	29	3		
	Pulses	5791	0	0	1032	4759	32	287	3307	201	100	985	19	180	9	2		

Source)CSO,2018,Myanmar Agricultural Statistics(2007-2008 to 2016-2017):150-159

Note) Cereals is “exclbeer”. Cereals are mainly Paddy(Summer), Paddy(Monsoon), Wheat, Maize(Seed), maize(Cob) and Sorghum, their cultivated acreage are 2458,15239,214,1211,911 and 588 thousand acres respectively in 2016/2017crop season(CSO,2018:77). The data of export amount is too big in the table and so, we have checked other statistics as below.

Commodity	Units	2005/06	2010/11	2013/14	2014/15	2015/16	2016/17	2017/18(p)
Rice and rice products	MT	180	536	391	461	319	691	1722
Pulses	MT	865	829	1132	1242	1020	1033	1002
Maize	MT	90	45	1	5	1	76	48

Source)CSO,2018,Myanmar Statistical Yearbook 2018:433.

Table 2. Montijly Expenditure of Rural Household by Group.Union in Myanmar(2006,2012)

Size of HouseHold	2006		2012	
	Value(Kyat)	%	Value(Kyat)	%
Household expenditure(Total)	90631.85	100	152010.72	100
Food and Beverages(Total)	65358.17	72.11	99455.97	65.43
Rice	17781.5	19.62	26073.42	17.15
Pulses	1814.61	2	2914.87	1.92
Non-Food (total)	25273.68	27.89	52554.75	34.57

Source)CSO,2018,Myanmar Agricultural Statistics(2007-2008 to 2016-2017):139

fields by a high tide of Cyclone Nargis in May 2008. The half of total households of both the

in the villages of Ayeyarwady Delta. We are much thankful for people of the study villages namely ,Oakpo (O village), Tei Pin Seik Village Tract, Pyapon Township and Ywathitsu (Y village) Ngar Gyi Ga Yat Village Tract, Maubin Township.

Methodology

Y village and O village can be considered as a

general village, which is located in a typical flood plain and a mangrove area of Ayeyarwady Delta. The double cropping system of Monsoon Rice - Black Gram or Green Gram is common in Y village. On the other hand, the single cropping system of Monsoon Rice - Fallow is common in O village, but the acreage of rice cultivation has sharply declined due to seawater intrusion into the rice

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