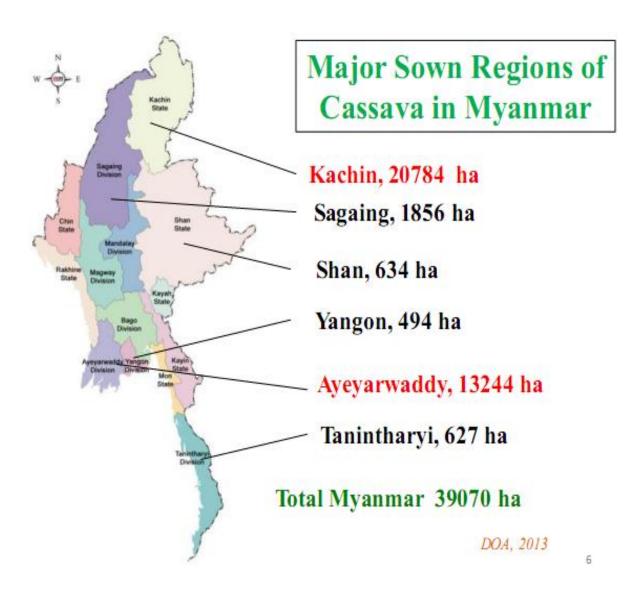


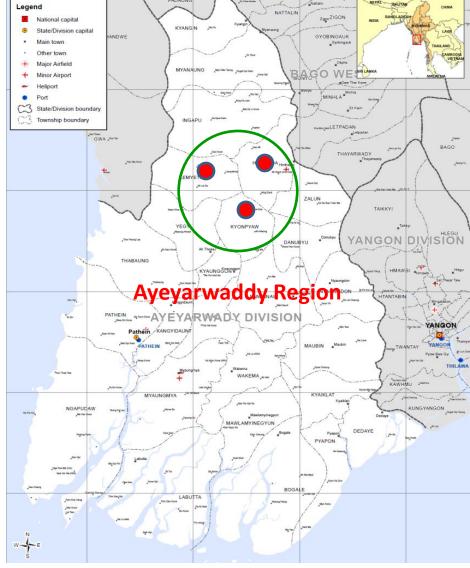
### **CURRENT STATUS OF CASSAVA INDUSTRY DEVELOPMENT IN DELTA REGION-MYANMAR**

KYAW THURA
CASSAVA GROWERS, MILLERS AND TRADERS ASSOCIATION



#### **Cassava in Myanmar**





# **Cassava Production in Delta Region**

#### **Brief Information- cassava production in Ayeyarwaddy (2017 update)**

Cassava Growing Area: 31613 acres (12789 ha)/3<sup>rd</sup> most important crop in delta after paddy & puleses

Major growing area : Kyonpyaw, Hintharda, Laymyat-nar townships

Average cassava root yield: 14 ton/ha

Annual root production: about 155000 ton/year Annual starch production: about 43400 ton/year

Cultivation method: Plant cassava with mounts as below (plant population about 1500-2000 plants /acre)



Nearly 30000 rural-families are related to cassava value chain activities for their livelihood in the region.



## **Main Cassava Varieties in Ayeyarwaddy Region**

Two main cassava varieties are widely grown in Ayeyarwaddy: locally called Malaysia & Japan Varieties



Some important activities for advanced cassava production technology for small holder farmers in Delta



### Sharing knowledge and technology to cassava farmers by association members



After getting knowledge from field day, work-shop and group meeting, some farmers start trying to apply new knowledge & technology in their field ....in recent years...



### Impact of cassava development activities

By changing only cultivation practice, Ko Poe Thum (Mr. Iron) got yield increment from 14 ton/ha to 24 ton/ha. But he used only nitrogen fertilizer with the dosage (3 bags (50kg) per acre). Like him, number of farmers adopting new technology are dramatically increase in some area. There is a huge potential to promote the yield in the region. But, there still need many researches, trials and activities to help them effectively.



### Impact of cassava development activities

On the other hand, our association learned and applied new technology and knowledge we received and finding the ways to boost the yield and income of smallholder farmers with the production cost as low as minimum.







We are start trying to introduce mechanization in cassava farming in Ayeyarwaddy Region.





# **Cassava Processing in Delta Region**











Starch production capacity: Minimum 1 ton – Maximum 7 ton per day: Most: 2 ton per day
About 200 factories in three townships in Delta region. Normally, 25-50 employees get jobs in each factory.



Processing season is from Jan to First week of April (about 100 days) due to starch drying is depend on the sun drying method. Processing sector need many activities for development.



Cassava industry create many job opportunities for rural women to get income for their families.



**Cassava Products & Market in Myanmar** 

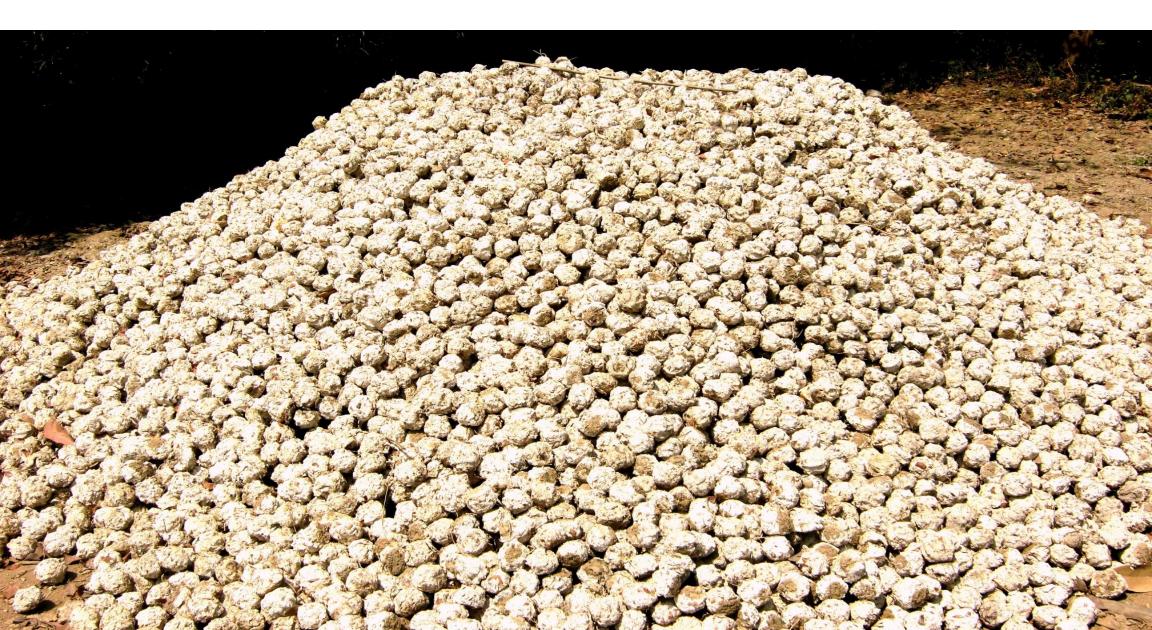
# **Cassava Starch**

Almost all Cassava Roots are processed to produce cassava starch in Delta region





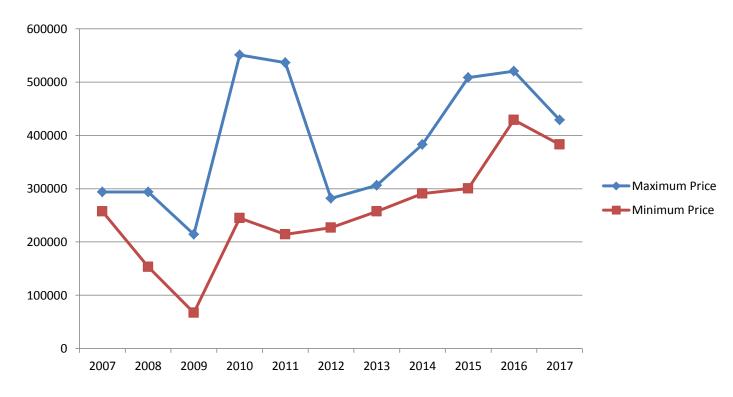
Cassava By-product: cassava pulp residue from starch factories are mainly used as animal feed.



Dried Cassava pulp balls are powdered by machines and sell particularly for fish & chicken feed production factory.



# Cassava Starch Price (MMK)Record in Ayeyarwaddy Region: 11 years



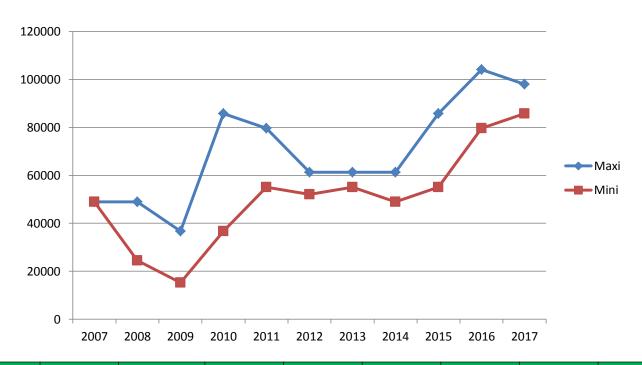
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Maximum Price	293947	293947	214337	551151	536454	281699	306195	382744	508284	520532	428673
Minimum Price	257204	153098	67363	244956	214337	226584	257204	290885	300071	428673	382744

**2016**: Minimum price : 317 USD /ton Maximum price: 385 USD/ton

**2017**: Minimum price : 283 USD /ton Maximum price: 317USD/ton

Exchange Rate: 1350MMK/USD

# Cassava Root Price (MMK)Record in Ayeyarwaddy Region: 11 years



	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Maxi	48991	48991	36743	85735	79611	61239	61239	61239	85735	104106	97982
Mini	48991	24496	15310	36743	55115	52053	55115	48991	55115	79611	85735

**2016**: Minimum price : 58 USD /ton Maximum price: 77 USD/ton

2017: Minimum price : 63 USD /ton

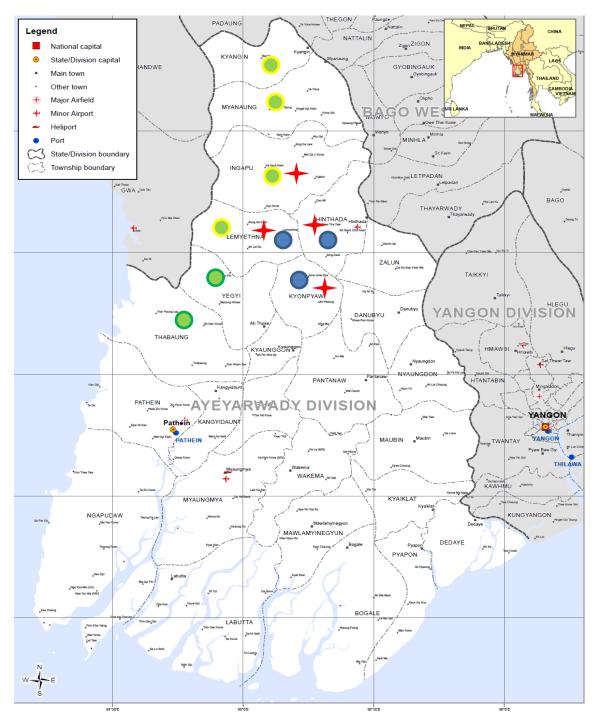
Maximum price: 72 USD/ton

Exchange Rate: 1350MMK/USD









- Existing growing area
- Potential Area
- Potential Area ( more prefer)
- → Model farms ( 2016-2017)

# Future Prospect of domestic utilization of cassava in Myanmar

No	Country	Land Area (km2)	Population	Per Capital Income ( USD)		Production Million Ton	Domestic Utilization ( fresh root ton)
				2011	2014	2015	2014
1	Brunei	5765	421000	36583	36607	-	171
2	Cambodia	181035	15040000	931	1081	8.441	6229286
3	Indonesia	1904569	255462000	3508	3534	27.403	24367000
4	Lao PDR	236800	6802000	1203	1693	0.953	896800
5	Malaysia	329000	31032000	9700	10804	0.064	42000
6	Myanmar	676578	52280000	832	1221	0.495	508097
7	Philippines	299764	102965000	2223	2865	2.5	2550000
8	Singapore	710	5541000	49270	56319	-	1400
9	Thailand	513120	68387000	5394	5445	31.24	6800000
10	Vietnam	331210	91812000	1374	2053	9.969	6499685



## Thanks for your attention !!!



### **Kyaw Thura**

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