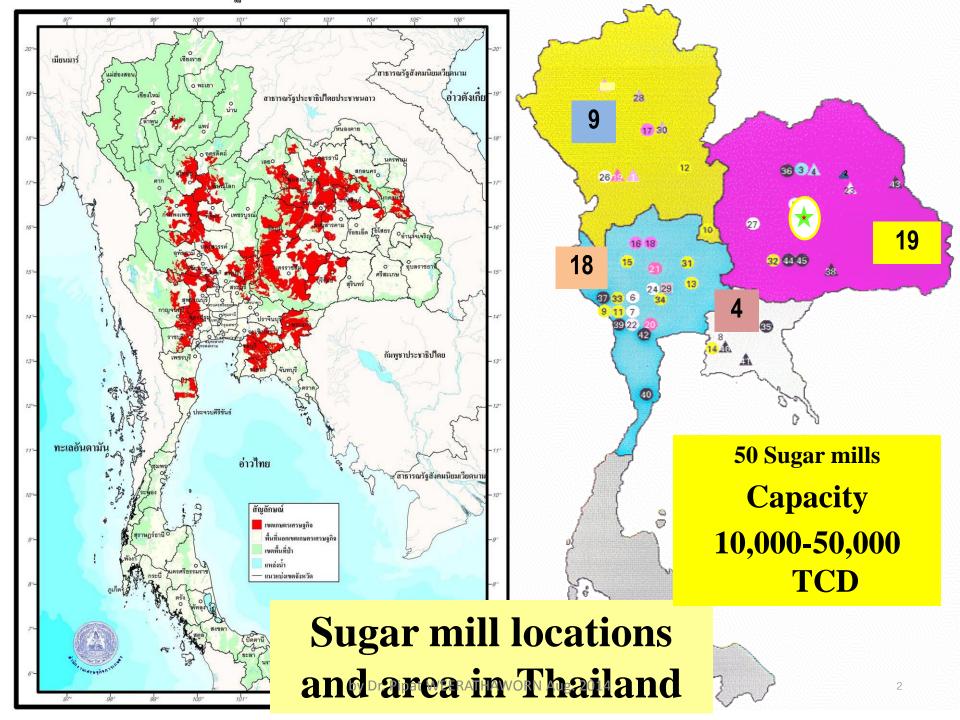


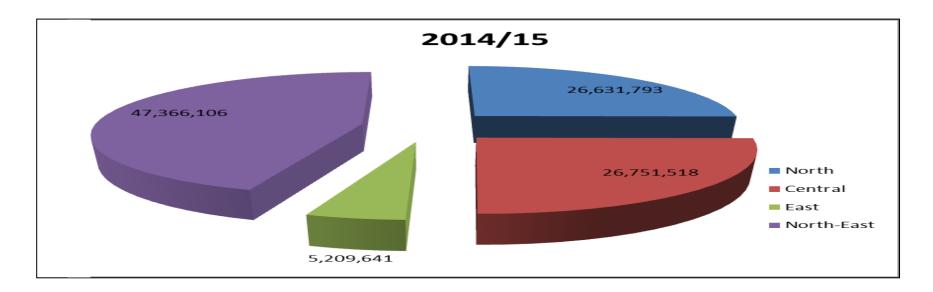
agri benchmark Sugar Industry in Thailand

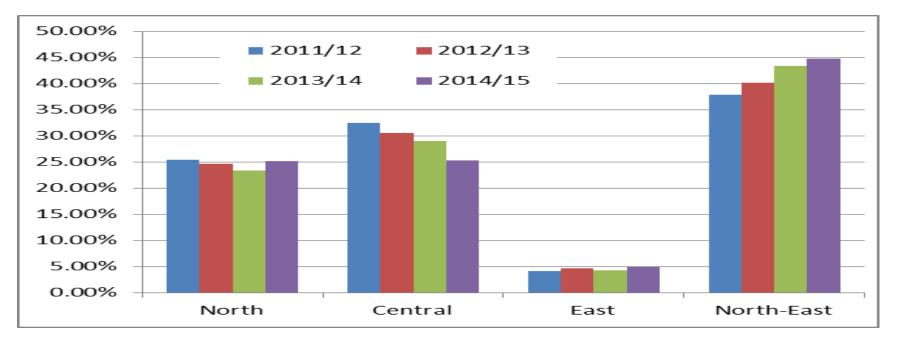
Pipat Weerathaworn A committee for Agricultural and Biological Researcher group National Research Council of Thailand



สำนักงานกองทุนสมับสนุนการวิจัย (สกว.) The Thailand Research Fund (TRF) agri benchmark Cash Crop Conference Goiania, Brazil, July 2015







Production System by region & Typical Farm

4

	Central/North	Northeast	Typical Farm
Farm size (ha)	10-150	2-100	15.6+80.0
Small-medium-large ratio	30-50-20	50-30-20	М
Own - rent land ratio	80-20	50-50	own
Mechanization	more-own	less-hire	own
Land preparation		A	same
	400-600	300-500	
Compound Fertilizer (kg/ha)			625 kg/ha
Weeding			same
Harvesting			Manual, 4 US\$
Transportation			Loader, 2 US\$ truck, 4 US\$

The Differences between 2014 & 2015

	2014		2015
t of sugar cane seeds per ha	12.5	Т	12.5
seed costs per ha	782	\$/ha	782
sugar yield (Three harvesting times/crop)	8.48	T/ha	6.80
sugar content	11%	%	11%
labour costs	9-11	\$/day	11
sugar cane price	32-35	\$/T	32
type of mechanisation	S-M	S-M	S-M
harvest	3-4	\$/T	4
loading costs	2-3	\$/T	2-3
transport costs to sugar cane mill	5	\$/T	4

Key success returns

Supplement. irr

Increased yield 21 T/ha Net profit 900 US\$/ha

High density

Increased yield 24 Tlha Net profit 500 US\$/ha

Trash incorp.

Increased yield 21T/ha Net profit 500 US\$/ha

Early planting

Increased yield 16 T/ha Net profit 700 US\$/ha



Land preparation

ALL .

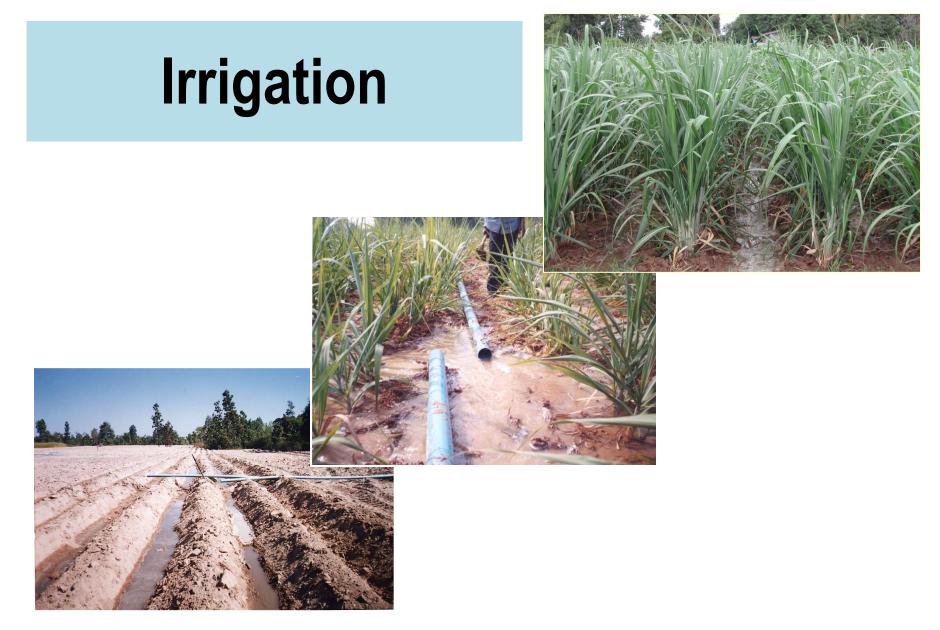


Planting

Manual







Fertilizer application





Green Blanket

Supplementary Irrigation

Fertilizer application



Trash incooperation

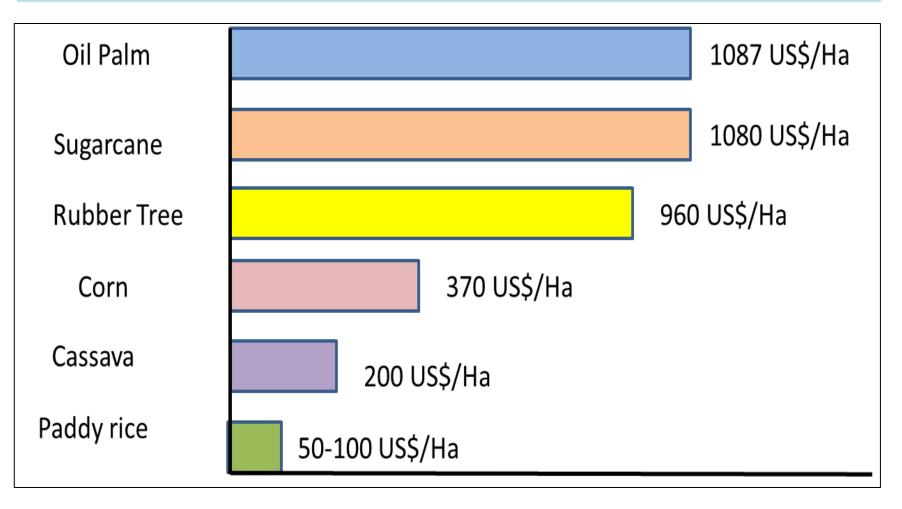
Herbicide application



Manual to Mechanization



Net profit at farm of crops



Source: OAE, Thailand 2014

Conclusion

- Thai cane production was a new record at 105.7 MT cane due to the stable cane price from previous year or the past few years
- Farmers have faced the intermitted drought period causing the yield losses
- Thai policy will support sugar industry by transferring some rice area to cane area
- The productivity improvement for reducing cost has to be focused and implemented from now onwards due to the low sugar price

Thank you for your attention!

Questions & Answers

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