

Crop Zinc Deficiencies and Zn Fertilizer Effect in China

中国作物缺锌和锌肥效果

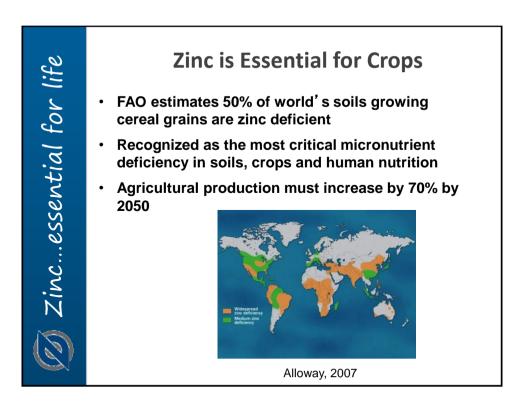
Drs. Ming Xian Fan and Andrew Green **Zn Nutrient Initiative Program** International Zinc Association

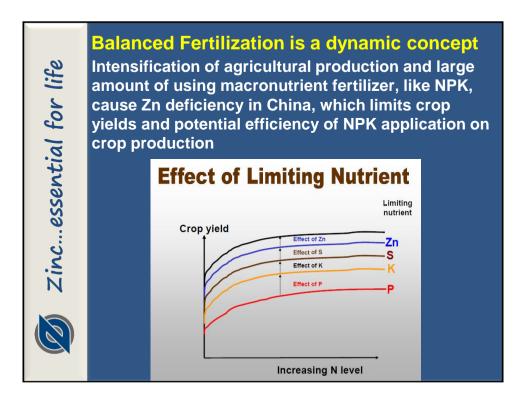
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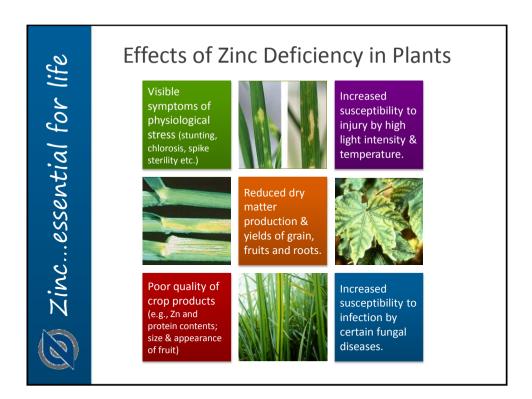


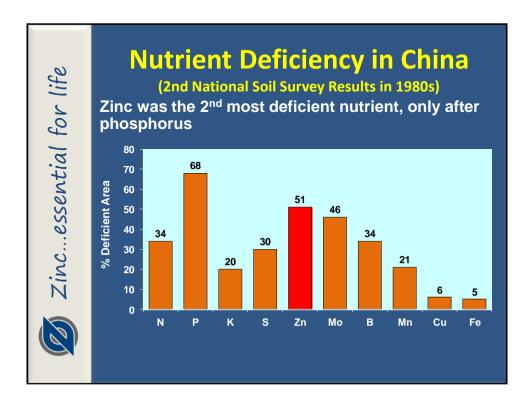
- Improve nutritional value of crops
- Improve human nutrition
- Increase farmer's incomes
- Improve food security

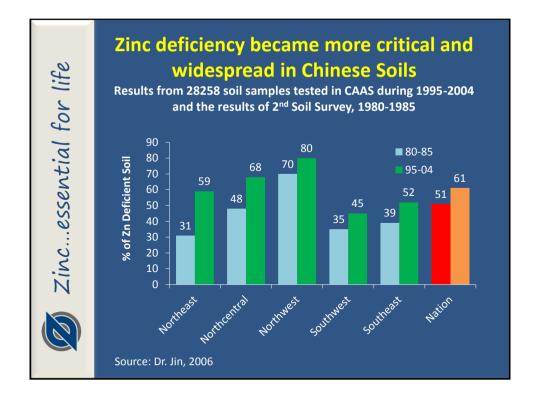




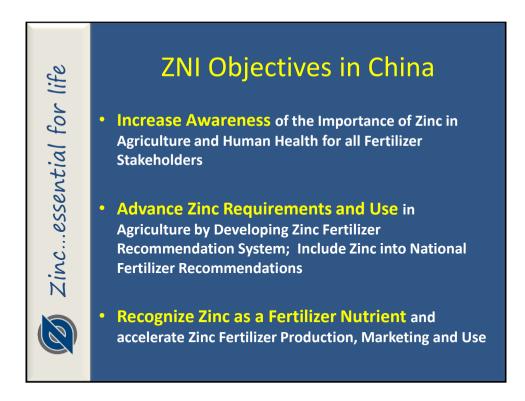




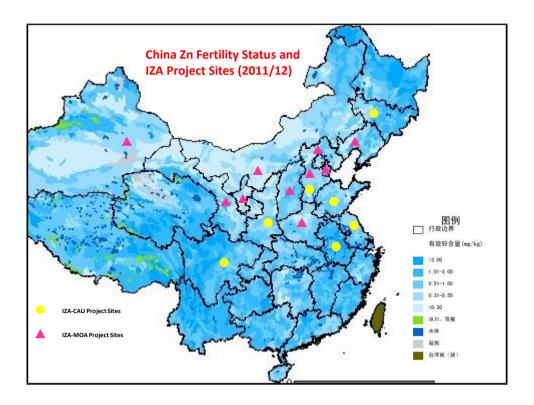


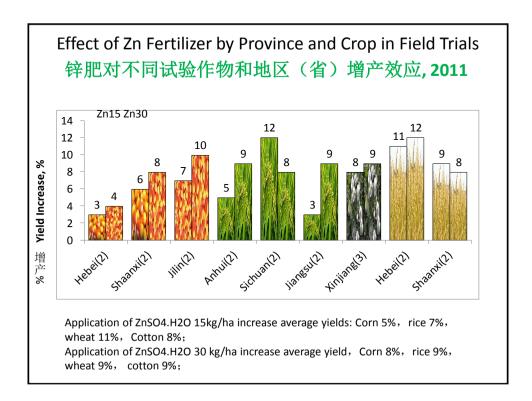


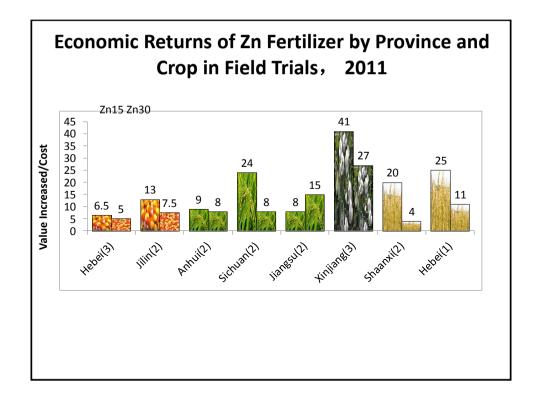


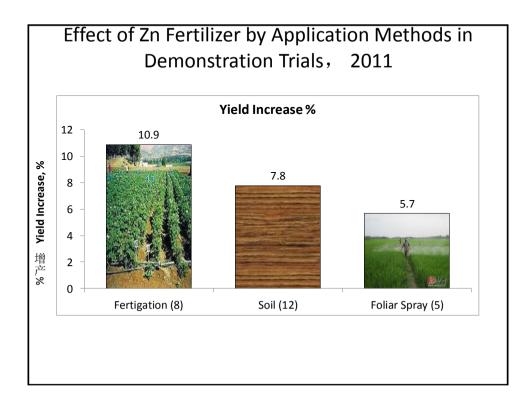


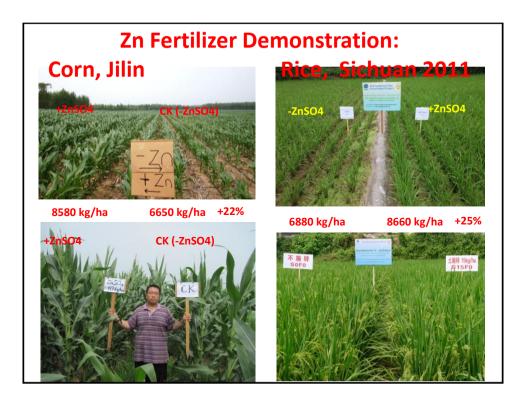


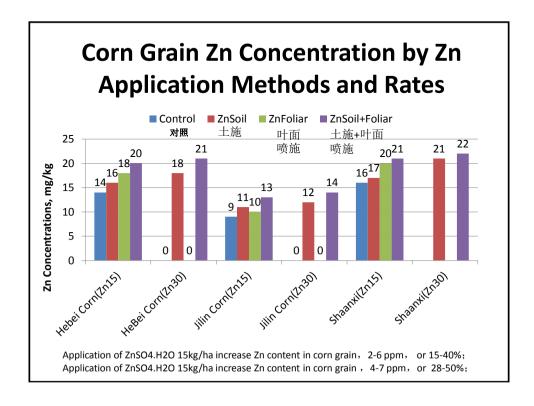


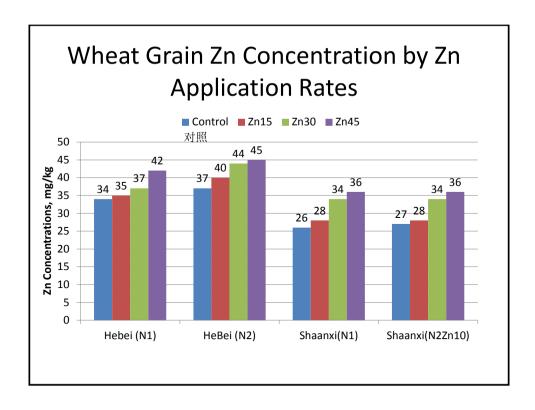


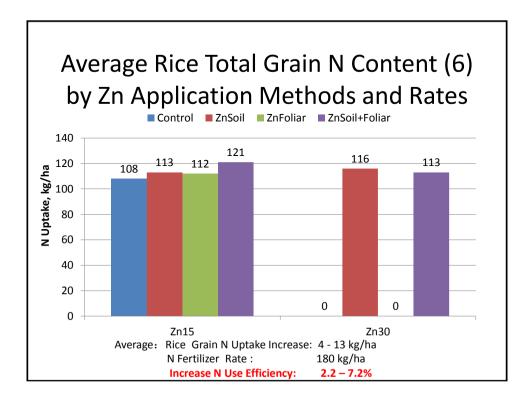


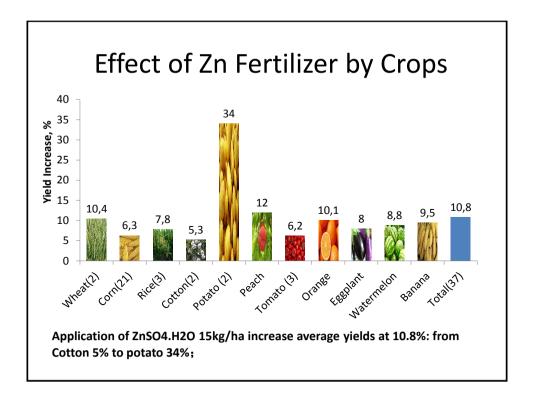


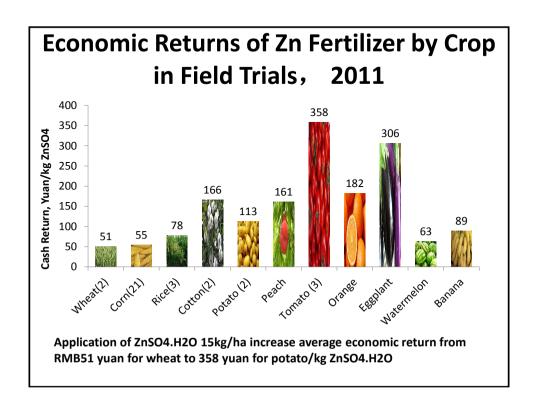


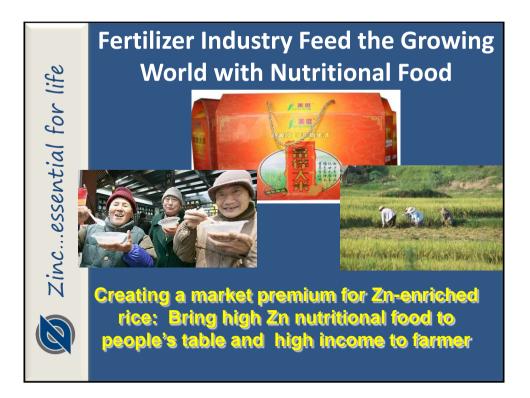












MOA National Fertilizer Recommendation Guidelines, 2012

Zn fertilizer is included in the "MOA Fertilizer Recommendation Guideline for 2102 Spring Crop Production": For Rice, Cotton, Apple etc. crops Apply 1-2 kg ZnSO4/mu (15-30 kg/ha) (March 28, 2012)

Zn Fertilizer is added to MOA Fertilizer Recommendation Guideline for 2012 Summer Crop Production": For Corn and Rice crops, Apply 1-2 kg ZnSO4/Mu (15-30 kg/ha) (June 28, 2012)

Zn Fertilizer is recommended in the latest MOA Fertilizer Recommendation Guideline for 2012 Fall/Winter Crop Production": For Wheat, Apply 1-2 kg ZnSO4/Mu (15-30 kg/ha); For Apply, Orange, Pear, Banana, Tea orchard apply 1-1.5 kg ZnSO4/mu; For potato, 1-2 kg ZnSO4/mu (15-30kg/ha) (September 27, 2012)

•If implemented, it will create Zn fertilizer requirement or potential market : 300,000 tpy

Zinc...essential for life

Zinc...essential for life

New Zn Fertilizer Application Methods

Zn-enriched compound fertilizers – Adding Zn to acid macronutrient fertilizer granules by fully incorporating or coating Zn fertilizer into/onto NP/NPK fertilizer granules

Fertigation – Applying both Zn fertilizers and NPK fertilizers together in irrigation water to improve uniform distribution, homogeneous mixing, greater availability and reduced risk of damage to plants, esp. in semi arid and arid areas

	Fertilizer Industry are act	ively
life	engaged and motivated in Zn	
r li	fertilizer production	
Zinc…essential for	 As result of ZNI China program, 6 new zinc Fertilizer Production Projects: 	
nt	Sinofert: Zn-Enriched Urea:	60 kt/y;
SSe	Kingenta: Zn-Containing NPK Fertilizer:	100 kt/y;
<i>e</i>	Luxi: Zn-Enriched MAP:	50 kt/y
NC	Luxi: Zn-Enriched NPK:	50 kt/y
N	Weng-fu Group: Zn-Enriched MAP:	140 kt/y
I	Zn-Containing NPK Fertilizer:	60 kt/y
	Shenzhen Batian: Zn-Enriched NPK:	60kt/y
	Total: 520,000 tpy	

