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TAKING STOCK OF EXPORT RESTRICTIONS ON AGRICULTURAL PRODUCTS

Preliminary Analysis of OECD Database

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Variables Collected

- Indicator whether or not country top 5 producer of product
- HS code and product description
- Type of measure and value where appropriate
- Dates measure taken (beginning and ending where appropriate)
- Source of information
- Implementation method
- Purpose of measure
- International indicative price and/or unit value
- Production and exports volume and/or value
- Top five trading partners of product and share



Countries and Time Period Covered

Country	Years	Country	Years
Argentina	2002, 2005-2011	Kyrgyz Republic	2008, 2010
Belarus	2010-2011	Pakistan	1996, 2005-2011
China	2005, 2007-2011	Republic of Moldova	2011
Egypt	2008-2011	Russian Federation	2007-2008, 2010- 2012
Former Yugoslav Republic of Macedonia	2011	Tajikistan	2011
India	2006-2010	Ukraine	2006-2007, 2010- 2011
Indonesia	2003, 2007-2012	Viet Nam	2007-2008, 2010
Kazakhstan	2008, 2010		



Export Measures Used on Agricultural Products

Export tax (includes variable tax)	Export quota	Export ban	Export licensing requirements *	Minimum export price	Tax rebate on exports
Argentina	Argentina	Argentina	Argentina		
		Belarus			
China	China		China		China
		Former Yugoslav Republic of Macedonia			
Egypt	Egypt	Egypt			
	India	India		India	
Indonesia	Indonesia	Indonesia	Indonesia		
		Kazakhstan			
Kyrgyz Republic					
		Republic of Moldova			
Pakistan	Pakistan	Pakistan		Pakistan	
Russia		Russia			
		Tajikistan			
Ukraine	Ukraine				
Viet Nam	Viet Nam	Viet Nam		Viet Nam	

* Excludes countries that use export licenses to allocate quotas



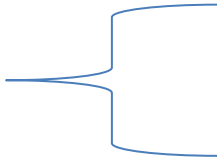
Product Coverage of Export Measures in Database

	Bulk		Horticulture		Semi processed		processed	
	Number of		Number of		Number of		Number of	
	Number of countries	varieties/ actions	Number of countries	varieties/ actions	Number of countries	varieties/ actions	Number of countries	varieties/ actions
2007	7	171	4	126	5	332	5	184
2008	10	234	2	97	5	307	5	107
2009	5	126	1	17	4	160	5	225
2010	10	116	0	0	8	134	4	16
2011	8	50	1	1	8	166	4	12



Time Line of Export Measures on Rice

2008

- Argentina: Export tax (10%)
- China Export tax (5%)
- Egypt Export tax (Egypt pounds (EGP) 300/t)
Export Ban
- India Export Ban (Conditional on Minimum Export Price and exceptions for country specific quotas)
- Indonesia Export License
- Pakistan Minimum Export Price (varying by variety)
- Viet Nam  Export Quota (4.5 million tons) and
Minimum Export Price (varying by variety) switched to
Export Tax (variable rate based on FOB price)



Time Line of Export Measures on Rice

2009

- Argentina Export Tax (10%)
- China Export Tax (lowered to 3% and then to 0%); Export License
- Egypt
 - Export Tax (EGP 300/t), switched to Export Ban, switched to Export Tax (EGP 2000/t)
- India Export Ban (exceptions for country specific quotas)
- Indonesia Export License



Time Line of Export Measures on Rice

2010

- Argentina Export Tax (10%)
- China Export License
- Egypt Export Quota (228 K), switched to Export Ban
- India Export Ban (with country specific quotas)
- Indonesia Export License
- Viet Nam Minimum Export Price



Time Line of Export Measures on Wheat

2008

- Argentina
Export Tax (variable, switched to fixed 28% or 23% depending on variety HS8)
Export Quota (4.4 million tons)
- China
Export Tax (20%)
- India
Export Ban
- Kyrgyz Republic
Export Tax (soms 15/kg)
- Kazakhstan
Export Ban
- Pakistan
Export Ban
- Russia
Export Ban
- Ukraine
Export Quota (3 million tons)



Time Line of Export Measures on Wheat

2009

- Argentina
 - Export Tax
 - Export License
- China
 - Export Tax (3%, reduced to 0%)
 - Export License
- India
 - Export Ban (switched to 900k Quota plus 300k for 3 firms)



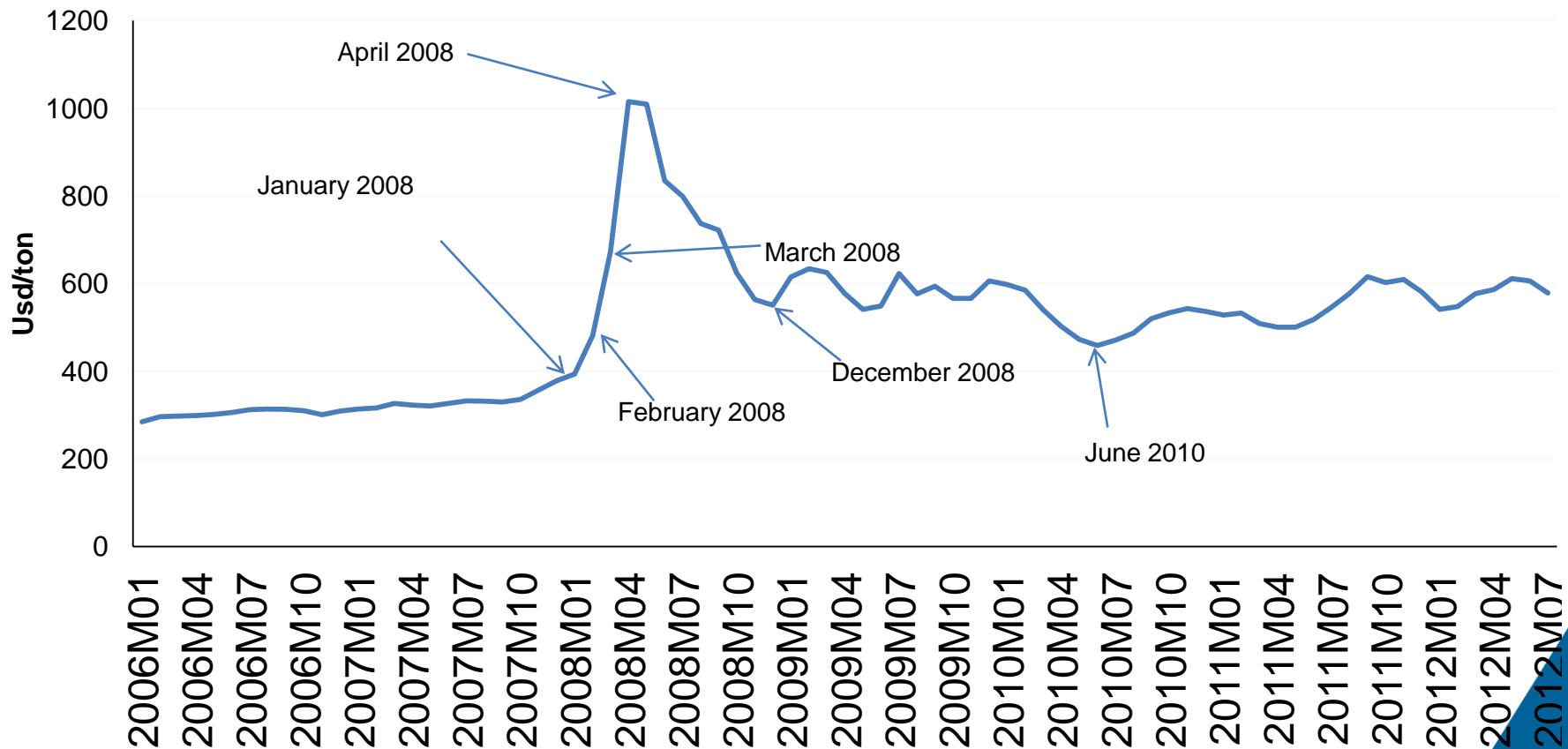
Time Line of Export Measures on Wheat

2010

- Argentina Export Tax
- China Export License
- Egypt Special Export Procedure
- India Export Ban
- Pakistan Export Quota (1 million tons)
- Russia Export Ban
- Ukraine Export Quota (500k tons)

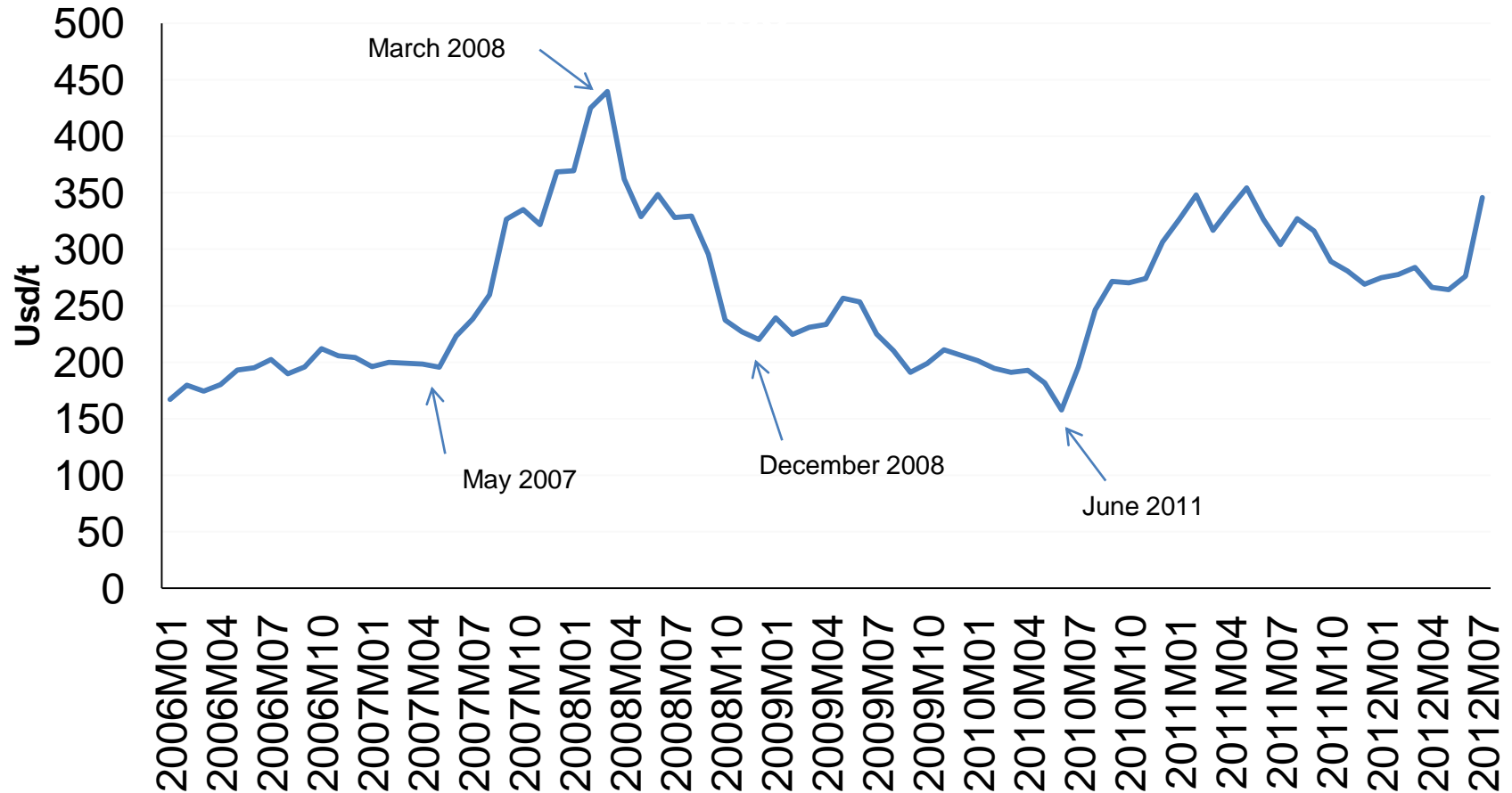


World Indicative Price for Rice (January 2006 to July 2012)





World Indicative Price: Wheat January 2006 July 2012





Production and Exports of Countries with Export Measures: Rice

	2007	2008	2009	2010	2011
Number of countries	3	7	5	6	2
Number of actions	44	145	66	74	5
Average share of Production 2004-2006	27	60	53	28	1
Share of Production	28	60	52	28	1
Average share of exports 2004-2006	34	60	25	38	1
Share of exports	31	60	13	31	1



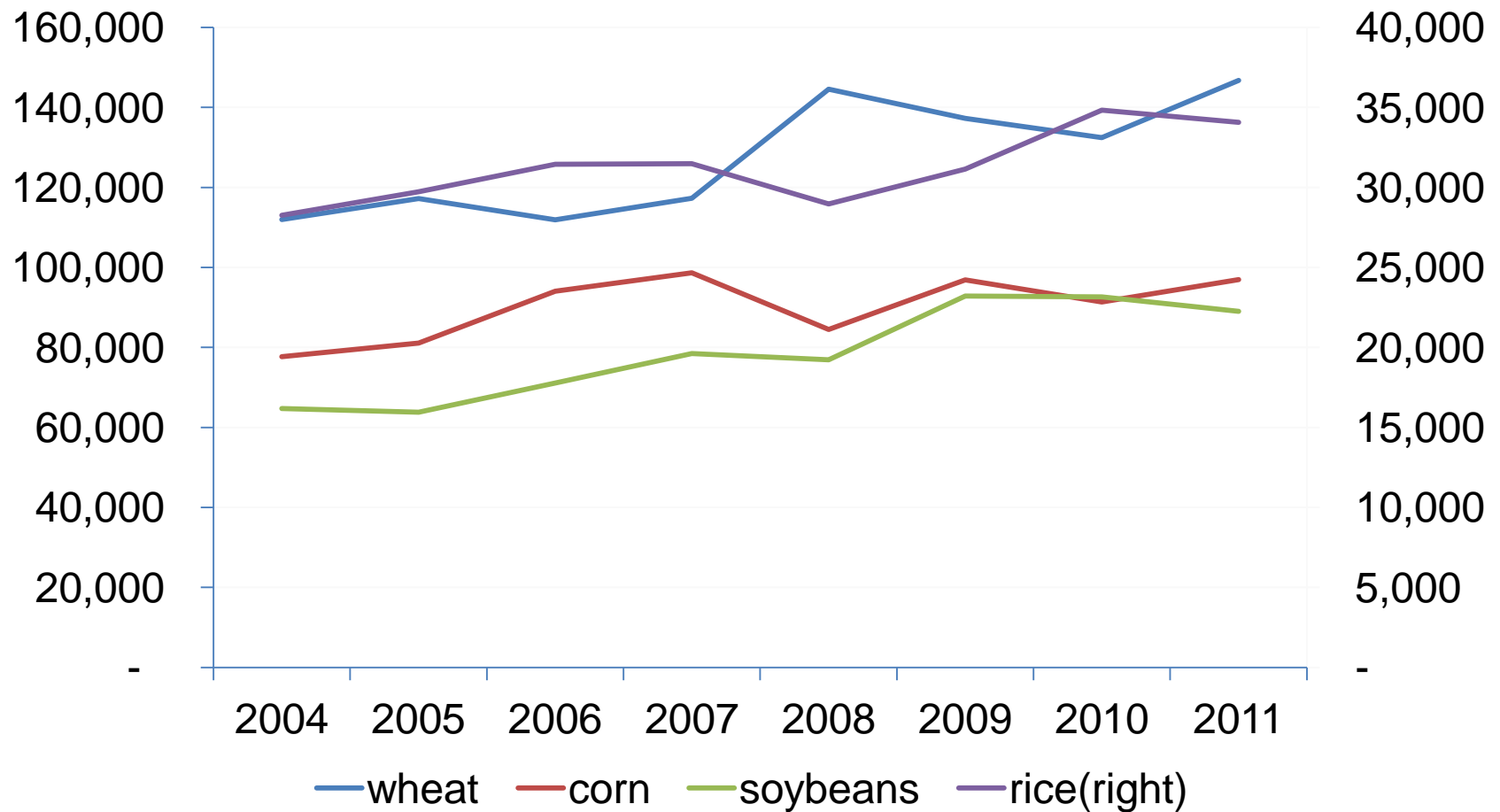
Production and Exports of Countries with Export Measures: Wheat

	2007	2008	2009	2010	2011
Number of countries	5	8	3	7	6
Number of actions	39	34	21	19	10
Average share of Production 2004-2006	28	46	30	29	13
Share of Production	29	48	34	30	15
Average share of exports 2004-2006	24	30	12	24	22
Share of exports	24	33	5	17	31



Wheat, Corn and Soybean Exports

(1 000 tons)



Estimation Results

Rice, Wheat & Corn

adj R^2 .78 N 144

$$\text{Exp}_t = 1546^{***} + .76\text{Sur}_t^{***} - .04 \text{Stk}_t^{***} - 567 D_t$$

Rice

adj R^2 .74 N 48

$$\text{Exp}_t = 1626.2^{***} + .62\text{Sur}_t^{***} - .02 \text{Stk}_t^{**} - 1154.7 D_t^{***}$$

Wheat

adj R^2 .77 N 56

$$\text{Exp}_t = 2551.9^{***} + .69\text{Sur}_t^{***} - .06 \text{Stk}_t^{***} - 678.7 D_t$$

Corn

adj R^2 .80 N 40

$$\text{Exp}_t = 1029.9^* + .84\text{Sur}_t^{***} - .04 \text{Stk}_t - 215.6D_t$$



Conclusions

- Various countries during the course of 2007-2011 used variety of export measures to restrict exports on many different agricultural products
- Various reasons were given as justification
- Transparency lacking: few countries notify to WTO



Preliminary Findings on Export Volume

- Effects of restrictions on export volume inconclusive
 - World exports during period trended up
 - Exports from countries with export measures varied by year, country and crop
- Confounding effects of export measures on exports is simultaneous changes in domestic exportable surplus.



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