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Appendix 1

Rice – Original

I. Both area harvested and SOI as inputs

Conditional Least Squares Estimation							
Parameter	Estimate	Standard Error	t Value	Approx Pr > t	Lag	Variable	Shift
MU	140392.1	57214.6	2.45	0.0173	0	PALAY_PROD	0
AR1,1	-0.46563	0.12288	-3.79	0.0004	4	PALAY_PROD	0
NUM1	3.26497	0.15180	21.51	<.0001	0	PALAY_AREA_HARVESTED	0
NUM2	964.15831	425.95547	2.26	0.0276	0	SOI	2
DEN1,1	0.94723	0.03623	26.15	<.0001	1	SOI	2

II. Area harvested only as input

Conditional Least Squares Estimation							
Parameter	Estimate	Standard Error	t Value	Approx Pr > t	Lag	Variable	Shift
MA1,1	0.25213	0.13003	1.94	0.0574	4	PALAY_PROD	0
NUM1	1.01361	0.45861	2.21	0.0311	0	PALAY_AREA_HARVESTED	1

III. SOI only as input

Conditional Least Squares Estimation							
Parameter	Estimate	Standard Error	t Value	Approx Pr > t	Lag	Variable	Shift
MU	131871.8	41832.6	3.15	0.0026	0	PALAY_PROD	0
AR1,1	-0.25350	0.12901	-1.96	0.0543	4	PALAY_PROD	0
NUM1	12504.5	5082.9	2.46	0.0169	0	SOI	1

Appendix 2

Rice – Deseasonalized

I. Both area harvested and SOI as inputs

Conditional Least Squares Estimation							
Parameter	Estimate	Standard Error	t Value	Approx Pr > t	Lag	Variable	Shift
MA1,1	-0.39251	0.12408	-3.16	0.0025	4	PALAY_PROD_D11	0
NUM1	-1.16610	0.29024	-4.02	0.0002	0	PALAY_AREA_HARVESTED	1
NUM2	15282.7	4015.6	3.81	0.0004	0	SOI	1

II. Area harvested only as input

Conditional Least Squares Estimation							
Parameter	Estimate	Standard Error	t Value	Approx Pr > t	Lag	Variable	Shift
MA1,1	-0.70138	0.09612	-7.30	<.0001	4	PALAY_PROD_D11	0
NUM1	1.59884	0.18887	8.47	<.0001	0	PALAY_AREA_HARVESTED	0
NUM1,1	1.48171	0.18830	7.87	<.0001	1	PALAY_AREA_HARVESTED	0

III. SOI only as input

Conditional Least Squares Estimation							
Parameter	Estimate	Standard Error	t Value	Approx Pr > t	Lag	Variable	Shift
MU	64769.0	18758.1	3.45	0.0010	0	PALAY_PROD_D11	0
MA1,1	0.62865	0.11445	5.49	<.0001	8	PALAY_PROD_D11	0
NUM1	22297.4	4080.9	5.46	<.0001	0	SOI	1
DEN1,1	-0.66738	0.10135	-6.59	<.0001	1	SOI	1

Appendix 3

Corn – Original

I. Both area harvested and SOI as inputs

Conditional Least Squares Estimation							
Parameter	Estimate	Standard Error	t Value	Approx Pr > t	Lag	Variable	Shift
MA1,1	-0.40112	0.18329	-2.19	0.0325	1	CORN_PROD	0
NUM1	-1.09331	0.37160	-2.94	0.0046	0	CORN_AREA_HARVESTED	1
NUM2	8534.2	3398.8	2.51	0.0147	0	SOI	1

II. Area harvested only as input

Conditional Least Squares Estimation							
Parameter	Estimate	Standard Error	t Value	Approx Pr > t	Lag	Variable	Shift
MA1,1	-0.47194	0.21306	-2.22	0.0308	1	CORN_PROD	0
NUM1	-1.06971	0.43670	-2.45	0.0174	0	CORN_AREA_HARVESTED	1

III. SOI only as input

Conditional Least Squares Estimation							
Parameter	Estimate	Standard Error	t Value	Approx Pr > t	Lag	Variable	Shift
MA1,1	0.98307	0.10307	9.54	<.0001	4	CORN_PROD	0
AR1,1	0.77179	0.19185	4.02	0.0002	4	CORN_PROD	0
NUM1	7334.8	2716.7	2.70	0.0092	0	SOI	1
NUM1,1	6953.7	2522.4	2.76	0.0079	2	SOI	1
DEN1,1	0.60336	0.22033	2.74	0.0083	1	SOI	1

Appendix 4
Corn – Deseasonalized

I. Both area harvested and SOI as inputs

Conditional Least Squares Estimation

Parameter	Estimate	Standard Error	t value	Approx Pr > t	Lag	Variable	Shift
MU	1176425.2	27040.1	43.51	<.0001	0	CORN_PROD_D11	0
MA1,1	-0.57931	0.11345	-5.11	<.0001	4	CORN_PROD_D11	0
NUM1	0.88557	0.16329	5.42	<.0001	0	CORN_AREA_HARVESTED	0
NUM2	3925.3	2039.5	1.92	0.0594	0	SOI	1

II. Area harvested only as input

Conditional Least Squares Estimation

Parameter	Estimate	Standard Error	t value	Approx Pr > t	Lag	Variable	Shift
MU	1164797.4	26617.0	43.76	<.0001	0	CORN_PROD_D11	0
MA1,1	-0.54242	0.11769	-4.61	<.0001	4	CORN_PROD_D11	0
NUM1	1.04513	0.15087	6.93	<.0001	0	CORN_AREA_HARVESTED	0

III. SOI only as input

Conditional Least Squares Estimation

Parameter	Estimate	Standard Error	t value	Approx Pr > t	Lag	Variable	Shift
MU	1174795.8	31639.2	37.13	<.0001	0	CORN_PROD_D11	0
MA1,1	-0.56871	0.11226	-5.07	<.0001	4	CORN_PROD_D11	0
NUM1	10272.3	2173.3	4.73	<.0001	0	SOI	1

Appendix 5
Final Seasonal Indices

	Palay		Corn	
	2005	Average	2005	Average
First Quarter	94.51	94.92	107.45	92.52
Second Quarter	73.49	72.67	59.31	58.87
Third Quarter	74.47	66.36	147.40	152.17
Fourth Quarter	157.87	165.67	86.68	94.70
Mean	99.903		99.561	
Standard Deviation	40.506		35.726	