

## Appendix D

**TABLE D. 1**  
**Available Studies on Natural Rubber**

<i>Quantity Variable</i>	<i>Country or Region</i>	<i>Period</i>	<i>Author</i>	<i>Price Elasticity</i>	
				<i>Short-run</i>	<i>Long-run</i>
M	World	1961-71	Rattery (1974)	-0.22	-0.77
D	World	Estimate used in his model	Behrman (1978)	—	-0.5
D	World	NA	Hwa	—	-0.2
S	World	Estimate used in his model	Behrman (1978)	0	0.4
S	World	NA	Hwa	0.15	1.0
S	Malaysia (smallholders)	1948-67	Chan (1962)	0.12 to 0.34	—
S	Malaysia (estates)	1948-67	Chan (1962)	0	—
S	Malaysia (smallholders)	1953-60	Stern (1965)	0.20	—
S	Malaysia (smallholders)	1949-63	Behrman (1969)	0.18 to 0.23	0.21
S	Malaysia (estates)	1949-63	Behrman (1969)	-0.09 to 0.09	0.15
S	Thailand	1947-65	Behrman (1969)	0.04	0.19
S	Indonesia (smallholders)	1949-64	Behrman (1969)	-0.02 to 0.33	0.03
S	Indonesia (estates)	1949-64	Behrman (1969)	0 to 0.05	0.4
S	Nigeria	1948-67	Olayide	0.17 to 0.24	0.21 to 0.64
S	Liberia	1950-72	Ghoshal (1974)	0.14	0.2

D = Demand  
S = Supply  
NA = Not available

M = Import demand  
— = Estimate found to be insignificant

**TABLE D.2**  
**Available Studies on Palm Oil**

<i>Quantity Variable</i>	<i>Country or Region</i>	<i>Period</i>	<i>Author</i>	<i>Price Elasticity</i>	
				<i>Short-run</i>	<i>Long-run</i>
M	World	1950-67	Librero (1971)	*	-.87 to -1.28
D	Europe	1950-67	Librero (1971)	*	-.57 to -.79
D	U.S.	1950-67	Librero (1971)	*	-.22 to -.24
D	Philippines	1950-67	Librero (1971)	*	-.30 to -.38
S	Philippines	1950-67	Librero (1971)	*	0.66
S	Philippines	1953-66	Nyberg (1968)	*	.30 to .66
S	Nigeria	1946-67	Olayide (1968)	0.22 to 0.26	*
S	Nigeria	1949-64	Oni (1969)	0.22 to 0.35	*
S	Nigeria (Eastern)	1949-64	Oni (1969)	0.40 to 0.70	*

M = Import demand

D = Demand

S = Supply

\* = Did not attempt to estimate

**TABLE D.3**  
**Available Studies on Rice**

Quantity Variable	Country or Region	Period	Author	Price Elasticity	
				Short-run	Long-run
D	DC	1957-71	Adams and Behrman (1976)	—	-0.86
D	LDC	1957-71	"	—	-0.02
D	CPC	1957-71	"	—	—
D	DC	Average of 1964-66	Rojko (1971)	*	-0.3
D	LDC		"	*	-0.3
D	CPC		"	*	-0.3
D	S.E. Asia		"	*	-0.1
S	DC		1957-71	Adams and Behrman (1976)	0.36
S	LDC	1955-71	"	—	
S	CPC	1957-73	"	—	0.25
S	DC	Average of 1964-66	Rojko (1971)	*	0.3
S	LDC		"	*	0.3
S	CPC		"	*	0.3
S	Thailand	1937-63	Behrman (1968)	0.17 to 0.18	0.10 to 0.43
S	Thailand	1951-65	Aromdee (1968)	0.31	0.20
S	S.E. Asia	Average of 1964-66	Rojko (1971)	*	0.3

D = Demand                      S = Supply  
 \* = Did not attempt to estimate  
 — = Estimate found to be insignificant

**TABLE D.4**  
**Available Studies on Coconut Oil and Copra**

<i>Quantity Variable</i>	<i>Country or Region</i>	<i>Period</i>	<i>Author</i>	<i>Price Elasticity</i>	
				<i>Short-run</i>	<i>Long-run</i>
M (Coconut Oil)	World	1950-67	Librero (1971)	*	-.838 to -1.315
M (Copra)	World	1950-67	Librero (1971)	*	-.387 to -.514
X (Coconut oil)	Philippines	1951-72	Bautista (1977)	*	2.01
X (Copra)	Philippines	1951-72	Bautista (1977)	*	0.29

M = Import demand

\* = Did not attempt to estimate

X = Export supply

**TABLE D.5**  
**Available Studies on Tin**

<i>Quantity Variable</i>	<i>Country or Region</i>	<i>Period</i>	<i>Author</i>	<i>Price Elasticity</i>	
				<i>Short-run</i>	<i>Long-run</i>
D		1948-61	Desai (1966)	—	—
D	U.S.	1953-68	Banks (1974)	-0.55	-1.26
D	World	1948-65	Desai (1972)	-0.35	—
D	World	1953-66	Ariff (1969)	-.1998	*
D	Major industrial countries	1953-66	Ariff (1969)	-0.37 to -.052	*
D	World	NA	Hwa	*	-0.43
D	World	Estimate used in his model	Behrman (1978)	*	-5.0
S	World	NA	Hwa	—	0.66
S	World	Estimate used in his model	Behrman (1978)	—	0.25
S (Gravel pumping)	Malaysia	NA	Lim (1969)	*	0.28 to 0.54
S (Dredging)	Malaysia	NA	Lim (1969)	*	0.12 to 0.24

D = Demand

S = Supply

\* = Did not attempt to estimate

— = Estimate found to be insignificant

NA = Not available

**TABLE D.6**  
**Available Studies on Sugar**

<i>Quantity Variable</i>	<i>Country or Region</i>	<i>Period</i>	<i>Author</i>	<i>Price Elasticity</i>	
				<i>Short-run</i>	<i>Long-run</i>
D	U.S.	1965	Bates (1969)	*	-.21
D	W. Europe	1965	"	*	-.42
D	S. America				
D	Middle and Far East	1965	"	*	-1.87
D	DC	Estimate used in his model	Behrman (1978)	*	-.0
D	LDC	"	"	*	-.1
D	CPC	"	"	*	-.5
D	DC	"	"	*	-.3
D	LDC	"	"	*	-1.1
S	DC	Estimate used in his model	Behrman (1978)	0.0	0.2
S	LDC	"	"	0.0	0.2
S	CPC	"	"	0.0	0.7
S	LDC	"	"	0.5	0.8
S	Thailand	1957-76	Darling and Jessadachatr (1979)	0.62 to 1.01	0.86 to 4.4 (mainly 2.4) (log form) 1.7 to 2.8

D = Demand

S = Supply

\* = Did not attempt to estimate