

# Appendix 1. Naïve regression estimate

Coefficients	Estimate	P-Value
(Intercept)	12.17	0.04
sub_grain	0.01	0.08
sub_fr_veg	0.04	0.00
sub_liv	0.01	0.06
V14_1_i_market_km	0.43	0.15
V14_1_k_munic_km	-0.85	0.01
risk_att	2.84	0.00
V12_01_eduyears_resp	0.22	0.54
V09_1_useany	8.01	0.09
V09_1_a_use_fert	-5.28	0.18
advisory	8.09	0.01

## Appendix 2. Naïve conventional instruments estimation

Coefficients	Estimate	P-Value
(Intercept)	90.20	0.31
sub_fr_veg	-0.56	0.42
sub_grain	0.42	0.48
sub_liv	-0.31	0.55
V14_1_k_munic_km	-0.86	0.28
risk_att	-0.62	0.90
V12_01_eduyears_resp	1.37	0.38
V09_1_useany	-3.20	0.83
V09_1_a_use_fert	0.16	0.99
advisory	0.60	0.97
HH_labour_only	-63.45	0.37

	Statistic	P-value
Weak Instruments tests:		
(sub_fr_veg)	1.37	0.25
(sub_grain)	1.58	0.18
(sub_liv)	0.75	0.56
Wu-Hausman	1.20	0.31
Hansen J-test	0.01	0.95

### Appendix 3 Copula estimation results

Coefficients	Estimate	P-value
Intercept	13.34	0.79
V14_1_k_munic_km	-0.68	0.04
risk_att	3.14	0.00
V12_01_eduyears_resp	0.21	0.69
V09_1_useany	3.56	0.59
V09_1_a_use_fert	-7.50	0.16
advisory	1.80	0.67
sub_fr_veg	0.07	0.04
HH_labour_only	-15.31	0.04
sub_liv	0.00	0.98
sub_grain	-0.06	0.39
PStar.sub_fr_veg	-9.55	0.53
PStar.sub_liv	8.48	0.58
PStar.sub_grain	14.76	0.46

#### Appendix 4. Lewbel estimation

	Estimate	Pr(> t )
sub_fr_veg	0.04	0.03
sub_grain	-0.10	0.50
sub_liv	-0.09	0.27
(Intercept)	31.17	0.03
V14_1_k_munic_km	-0.75	0.02
risk_att	3.71	0.01
V12_01_eduyears_resp	0.25	0.64
V09_1_useany	1.91	0.80
V09_1_a_use_fert	-5.28	0.41
advisory	4.11	0.45
HH_labour_only	-13.09	0.15
	J-test	P-value
Test E(g)=0:	4.41	0.73

Partial F-test for weak identification:	
sub_fr_veg	13.38
sub_grain	1.15
sub_liv	2.71

## Appendix 5. Partial identification models

### A. Fruits and vegetables DP

Coefficients	Estimate	P-value
Intercept	34.51	0.00
V14_1_k_munic_km	-0.67	0.04
risk_att	3.08	0.00
V12_01_eduyears_resp	0.22	0.67
V09_1_useany	3.58	0.58
V09_1_a_use_fert	-7.17	0.18
advisory	1.77	0.67
HH_labour_only	-15.92	0.04
sub_fr_veg	0.04	0.04
	Statistic	P-value
Weak instruments	193.50	0.00
Wu-Hausman	3.32	0.07
Sargan	3.12	0.68

### B. Grains and oilseeds DP

Coefficients	Estimate	P-value
Intercept	42.66	0.00
V14_1_k_munic_km	-0.70	0.05
risk_att	2.13	0.09
V12_01_eduyears_resp	0.24	0.67
V09_1_useany	3.06	0.67
V09_1_a_use_fert	-7.74	0.19
advisory	-0.39	0.93
HH_labour_only	-20.52	0.01
sub_grain	0.12	0.03
	Statistic	P-value
Weak instruments	7.39	0.00
Wu-Hausman	8.29	0.00
Sargan	3.43	0.63

### C. Livestock DP

Coefficients	Estimate	P-value
Intercept	37.90	0.00
V14_1_k_munic_km	-0.70	0.04
risk_att	3.09	0.01
V12_01_eduyears_resp	0.31	0.57
V09_1_useany	1.74	0.80
V09_1_a_use_fert	-5.98	0.28
advisory	2.32	0.60
HH_labour_only	-18.08	0.02
sub_liv	-0.11	0.02
	Statistic	P-value
Weak instruments	49.27	0.00
Wu-Hausman	15.88	0.00
Sargan	2.29	0.68