

Table A.1. Descriptive statistics of inputs and output/profitability in groundnut production (2007)

	Farm size group	Mean	CV (%)	Minimum	Maximum
Yield (kg/ha)	Small	1090	4720	200	2600
	Medium	1400	3630	500	2700
	Large	1560	3590	600	2700
	All	1400	3990	200	2700
Seed quantity (kg/ha)	Small	155.7	27.8	100.0	270.0
	Medium	163.3	27.9	100.0	300.0
	Large	177.0	29.9	100.0	290.0
	All	167.8	29.3	100.0	300.0
Fertilizer (kg/ha)	Small	74.1	71.8	2.0	251.0
	Medium	88.4	63.2	4.0	230.0
	Large	83.2	71.6	10.0	241.0
	All	83.1	68.7	2.0	251.0
Labour (man days/ha)	Small	136.0	20.5	30	202
	Medium	137.8	18.1	70	194
	Large	126.1	26.6	50	194
	All	134.5	21.2	30	202
Machine labour (hours/ha)	Small	0.4	189.2	0.0	3.0
	Medium	0.7	118.4	0.0	3.0
	Large	0.8	114.7	0.0	3.0
	All	0.7	126.9	0.0	3.0
Irrigation (number of times)	Small	0.1	354.0	0.0	2.0
	Medium	0.2	233.9	0.0	2.0
	Large	0.3	186.4	0.0	2.0
	All	0.2	227.3	0.0	2.0
Other expenses (Rs./ha)	Small	2864.6	43.7	1000.0	6570.0
	Medium	2991.0	39.9	220.0	6040.0
	Large	3008.9	39.9	305.0	6570.0
	All	2972.3	40.6	220.0	6570.0
Gross Returns (Rs/ha)	Small	19531	47.2	3600	46800
	Medium	25117	36.2	9000	48600
	Large	28047	35.9	10800	48600
	All	25240	39.9	3600	48600
Total Cost (Rs./ha)	Small	16919	28.9	7204	28564
	Medium	18491	22.2	9753	29564
	Large	18716	24.8	4983	30942
	All	18259	25.0	4983	30942
Net Return (Rs/ha)	Small	2613	218.9	-6893	21633
	Medium	6626	88.3	-4733	24657
	Large	9331	75.9	-3603	27277
	All	6981	98.5	-6893	27277
B/C Ratio	Small	1.11	29.75	0.41	1.86
	Medium	1.33	19.92	0.70	2.11
	Large	1.49	24.15	0.75	2.53
	All	1.35	26.09	0.41	2.53

Table A.2. Explanatory variables in inefficiency effects in groundnut production (2007)

Variables	Farm size group	Mean	CV (%)	Minimum	Maximum
Age of farmers (years)	Small	42.2	19.1	29.0	62.0
	Medium	38.4	21.9	26.0	60.0
	Large	37.0	20.7	23.0	56.0
	All	38.6	21.3	23.0	62.0
Education (years of schooling)	Small	5.5	52.9	1.0	14.0
	Medium	6.3	55.6	1.0	17.0
	Large	7.1	57.1	1.0	17.0
	All	6.5	56.9	1.0	17.0
farm size (ha)	Small (0-2ha)	1.0	56.0	0.0	2.0
	Medium (2-4 ha)	3.2	19.5	2.1	4.0
	Large (>4 ha)	6.6	23.6	4.0	10.1
	All	4.2	59.6	0.0	10.1
Use of HYVs Yes=1, no=0	Small	0.1	321.3	0.0	1.0
	Medium	0.6	75.0	0.0	1.0
	Large	0.5	91.5	0.0	1.0
	All	0.5	103.7	0.0	1.0
Soil Type (redsoil=0, else=1)	Small	0.7	61.1	0.0	1.0
	Medium	0.4	131.9	0.0	1.0
	Large	0.4	114.9	0.0	1.0
	All	0.5	105.7	0.0	1.0
Contact with extension worker Yes=1, no=0	Small	0.2	227.3	0.0	1.0
	Medium	0.3	152.5	0.0	1.0
	Large	0.7	73.2	0.0	1.0
	All	0.4	115.5	0.0	1.0

Table A.3.Descriptive statistics of variables used in frontier production function of GN processing units (2007)

Variables	Type of processing unit	Mean	CV (%)	Mini.	Maxi.
Net Value Addition (Rs./annum)	Expeller	222000	47.0	49000	399000
	<i>Ghani</i>	121474	71.9	25000	350000
	All	156138	66.5	25000	399000
Labor (mandays/annum)	Expeller	197	19.2	150	250
	<i>Ghani</i>	295	23.4	200	400
	All	261	29.1	150	400
Electricity (kwh/annum)	Expeller	2585	17.0	2000	3500
	<i>Ghani</i>	2464	24.9	1000	3000
	All	2506	22.1	1000	3500
Depreciation (Rs/annum)	Expeller	81459	36.8	40000	130000
	<i>Ghani</i>	63592	39.1	25108	100000
	All	69753	39.6	25108	130000
Distance to market (Km)	Expeller	5.93	46.4	2.92	10.90
	<i>Ghani</i>	6.68	28.6	2.76	9.86
	All	6.42	34.5	2.76	10.90
Market size (1000 tons of groundnut/annum)	Expeller	0.71	96.1	0.00	2.00
	<i>Ghani</i>	0.52	101.0	0.00	2.00
	All	0.59	98.0	0.00	2.00
Integration of firms (yes=1; no=0)	Expeller	0.70	69.0	0.00	1.00
	<i>Ghani</i>	0.63	78.7	0.00	1.00
	All	0.66	73.3	0.00	1.00
Age of plant (in years)	Expeller	5.30	23.6	4.00	8.00
	<i>Ghani</i>	7.53	47.3	2.00	13.00
	All	6.76	46.4	2.00	13.00