

Supplementary Materials: Do NGOs and Development Agencies Contribute to Sustainability of Smallholder Soybean Farmers in Northern Ghana—A Stochastic Production Frontier Approach

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Table S1. The differences in partial factor productivity and contextual variables across facilitated and non-facilitated farms.

Variables	Average			<i>p</i> -Value (<i>t</i> -Test)
	Facilitated	Non-Facilitated	Combined	
Yield, kg/ha	1007.56 (35.85)	846.72 (38.32)	946.26 (26.86)	0.00
Labor per ha	51.14 (1.96)	48.03 (3.15)	49.95 (1.70)	0.40
Agro-chemicals, L/ha	2.89 (0.14)	1.98 (0.21)	2.54 (0.12)	0.00
Fertilizer, kg/ha	41.07 (6.72)	36.85 (6.98)	39.46 (4.94)	0.66
Seed quantity, kg/ha	31.22 (0.58)	26.95 (0.78)	29.60 (0.48)	0.00
Land, ha	0.87 (0.05)	0.94 (0.09)	0.90 (0.05)	0.51
Credit	0.59 (0.03)	0.15 (0.030)	0.42 (0.03)	0.00
Fertilizer use	0.22 (0.03)	0.24 (0.04)	0.23 (0.23)	0.69
Improved seeds	0.41 (0.03)	0.14 (0.03)	0.30 (0.03)	0.00
Age	42.12 (0.80)	41.18 (0.92)	41.76 (0.60)	0.44
Experience	5.41 (0.23)	5.80 (0.29)	5.56 (0.18)	0.29
Education	2.19 (0.28)	2.91 (0.43)	2.46 (0.24)	0.16
Extension	2.75 (0.32)	3.60 (0.69)	3.08 (0.33)	0.26
Farmer group	0.97 (0.01)	0.27 (0.04)	0.70 (0.03)	0.00
Output sold	644.82 (42.98)	585.41 (67.58)	622.18 (37.00)	0.46
Perception on farming	0.67 (0.03)	0.70 (0.04)	0.68 (0.03)	0.51
Gender of household head	0.056 (0.02)	0.60 (0.02)	0.06 (0.01)	0.86
Farmer exposure	0.41 (0.03)	0.42 (0.04)	0.42 (0.03)	0.76

Notes: (i) input and output variables are normalized with respect to land area (hence, the difference from means in Table 1); (ii) see Table 1 for a detailed description of the variables; (iii) standard errors are given in parentheses.