

Cost of abating excess nitrogen on wheat plots in France: An assessment with multi-technology modelling

K Hervé Dakpo, Yann Desjeux and Laure Latruffe

Online Appendix

Table A1: Marginal productivities

Variables	Mean	First quartile	Median	Third quartile
<i>Wheat production sub-technology</i>				
Plot area (tons of wheat/ha)	3.307	1.770	2.813	4.732
TFI (tons of wheat per TFI)	0.777	0.205	0.439	0.872
Mineral nitrogen (tons of wheat per kg of mineral nitrogen)	0.021	0.018	0.023	0.031
Use of growth regulator	2.014	1.660	1.874	2.226
Knowledge of crop protein content	0.131	0.033	0.092	0.200
Location in a disadvantaged area	-0.361	-0.723	-0.128	0.077
Number of tillages in the last 2 years	0.855	0.730	0.835	1.049
<i>Excess nitrogen sub-technology</i>				
Mineral nitrogen (kg of excess nitrogen per kg of mineral nitrogen)	0.165	0.093	0.170	0.238
Use of growth regulator	-23.258	-30.389	-24.828	-16.481
Knowledge of crop protein content	4.168	-0.634	4.742	7.779
Location in a disadvantaged area	9.762	-5.354	-3.080	10.056

Number of tillages in the last 2 years	-12.869	-17.417	-14.766	-11.056
<i>Excess nitrogen productivities</i>				
Wheat production (kg of excess nitrogen per ton of wheat)	336.613	3.677	7.380	11.781
Plot area (kg of excess nitrogen per hectare of area)	-2255.101	-8.736	-16.091	-35.994
TFI (kg of excess nitrogen per TFI)	-422.208	-1.346	-3.061	-8.897