

Supplementary materials

“The impact of competition for picking wild edible mushrooms and the opportunity cost for rural communities: The case of Castile and León (Spain)”

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Appendix

Table A.1: Composition of the basket yield (in kilograms) by picker profile of the main species of wild edible mushrooms of socioeconomic interest picked in Castile and León (Spain): 2013-2014

Species	2013				2014			
	Percentage	CI	Weight	CI	Percentage	CI	Weight	CI
<i>Local pickers (Type A)</i>								
<i>Lactarius</i>	62.7	0.2%	2.214	11.8%	54.0	0.1%	2.591	8.8%
<i>Boletus edulis</i>	30.1	0.4%	1.063	20.1%	37.7	0.2%	1.244	17.9%
<i>Pleorotus eryngii</i>	2.2	1.9%	0.078	24.9%	3.9	0.6%	0.091	17.4%
<i>Amanita caesarea</i>	0.7	3.6%	0.023	60.2%	1.5	1.0%	0.027	113.3%
<i>Cantharellus cibarius</i>	0.5	4.1%	0.018	21.3%	0.7	1.5%	0.021	221.5%
<i>Other species</i>	3.8	1.5%	0.133	56.3%	2.2	0.9%	0.156	19.9%
TOTAL	100	-	3.529	9.1%	100	-	4.130	7.3%
Pickers by		1.4		3.9%		1.3		2.5%
Nothing picked		3.6		39.3%		4.0		24.5%
Valid controls		735				1570		
<i>Other national pickers (Type B)</i>								
<i>Lactarius</i>	55.2	0.2%	2.190	19.2%	58.7	0.1%	2.499	10.6%
<i>Boletus edulis</i>	39.2	0.3%	1.555	11.0%	34.6	0.2%	1.471	13.6%
<i>Pleorotus eryngii</i>	0.3	5.2%	0.011	17.2%	1.9	1.0%	0.081	13.2%
<i>Amanita caesarea</i>	0.6	3.4%	0.025	60.8%	0.7	1.6%	0.029	104.2%
<i>Cantharellus cibarius</i>	0.1	9.5%	0.003	78.5%	0.7	1.6%	0.031	30.0%
<i>Other species</i>	4.6	1.3%	0.181	45.9%	3.4	0.8%	0.131	17.0%
TOTAL	100	-	3.966	11.1%	100	-	4.241	7.3%
Pickers by		1.6		4.4%		1.5		3.1%
Nothing picked		6.2		28.5%		5.8		20.7%
Valid controls		766				1506		
<i>Intensive pickers (Type C)</i>								
<i>Lactarius</i>	97.3	1.1%	23.847	54.1%	70.6	0.8%	11.813	28.4%
<i>Boletus edulis</i>	2.7	40.8%	0.653	24.8%	29.4	1.9%	4.929	35.2%
<i>Pleorotus eryngii</i>	0.0	-	0.000	-	0.0	-	0.000	-
<i>Amanita caesarea</i>	0.0	-	0.000	-	0.0	-	0.000	-
<i>Cantharellus</i>	0.0	-	0.000	-	0.0	-	0.000	-
<i>Other species</i>	0.0	-	0.000	-	0.0	-	0.000	-
TOTAL	100	-	24.500	52.6%	100	-	16.742	21.1%
Pickers by		2.5		38.4%		1.6		15.4%
Nothing picked		6.3		141%		4.2		73.6%
Valid controls		32				168		
<i>Total pickers</i>								
<i>Lactarius</i>	59.7	0.1%	2.654	10.3%	57.1	0.1%	3.026	6.6%
<i>Boletus edulis</i>	34.1	0.2%	1.300	10.1%	35.8	0.1%	1.540	10.3%
<i>Pleorotus eryngii</i>	1.2	1.3%	0.043	16.4%	2.8	0.4%	0.082	10.7%
<i>Amanita caesarea</i>	0.6	1.7%	0.024	42.5%	1.0	0.6%	0.026	74.9%
<i>Cantharellus cibarius</i>	0.3	2.6%	0.010	21.3%	0.7	0.7%	0.025	75.8%
<i>Other species</i>	4.1	0.7%	0.154	35.2%	2.6	0.4%	0.136	12.9%
TOTAL	100	-	4.185	7.2%	100	-	4.835	5.0%
Pickers by		1.5		3.2%		1.4		2.1%
Nothing picked		4.9		22.8%		4.8		15.5%
Valid controls		1533				3244		

(a) Number of pickers using the same basket at the time of the control. Controls were carried out taking the contents of the basket as a reference. Given that the data in table 3 are calculated per picker, it is important to know how many pickers were using the same basket when the control was carried out. Data in this table refer to the total in the basket –both in the percentages of the different species and in the weights picked.

(b) Percentage of pickers with an empty basket at the time of the control

Table A.2: Productivity (in kilograms per hour) and value of productivity (in euros) of the main species of wild edible mushrooms of socioeconomic interest picked in Castile and León (Spain): 2013-2014

Species	2013			2014		
	Productivity (Kg per hour)	Value of the productivity (€ per hour)	CI (95%)	Productivity (Kg per hour)	Value of the productivity (€ per hour)	CI (95%)
<i>Local pickers (type A)</i>						
<i>Lactarius deliciosus</i>	1.042	3.14	10.4%	0.984	2.96	7.9%
<i>Boletus edulis</i>	0.342	1.32	19.2%	0.482	1.86	9.9%
<i>Pleurotus eryngii</i>	0.017	0.08	63.0%	0.027	0.14	29.2%
<i>Amanita caesarea</i>	0.006	0.02	115.0%	0.048	0.20	24.1%
<i>Cantharellus cibarius</i>	0.002	0.02	100.2%	0.009	0.06	62.3%
<i>Other species</i>	0.037	0.22	40.9%	0.029	0.17	40.3%
TOTAL	1.409	4.80	7.9%	1.551	5.39	5.0%
<i>Valid controls</i>		735			1570	
<i>Other national pickers (type B)</i>						
<i>Lactarius deliciosus</i>	0.801	2.41	12.0%	0.857	2.58	7.9%
<i>Boletus edulis</i>	0.330	1.27	15.3%	0.429	1.65	11.4%
<i>Pleurotus eryngii</i>	0.001	0.01	104.6%	0.012	0.06	48.2%
<i>Amanita caesarea</i>	0.006	0.03	109.8%	0.026	0.11	36.9%
<i>Cantharellus cibarius</i>	0.001	0.00	132.2%	0.006	0.04	67.6%
<i>Other species</i>	0.056	0.33	35.6%	0.026	0.16	35.1%
TOTAL	1.139	4.05	8.4%	1.330	4.60	5.4%
<i>Valid controls</i>		766			1506	
<i>Intensive pickers (Type C)</i>						
<i>Lactarius deliciosus</i>	3.429	10.32	33.0%	2.723	8.20	18.8%
<i>Boletus edulis</i>	0.024	0.09	200.1%	0.769	2.96	40.3%
<i>Pleurotus eryngii</i>	-	-	-	-	-	-
<i>Amanita caesarea</i>	-	-	-	-	-	-
<i>Cantharellus cibarius</i>	-	-	-	-	-	-
<i>Other species</i>	-	-	-	-	-	-
TOTAL	3.452	10.41	32.6%	3.493	11.16	15.1%
<i>Valid controls</i>		32			168	
<i>Total pickers</i>						
<i>Lactarius deliciosus</i>	0.969	2.92	7.5%	1.015	3.06	5.3%
<i>Boletus edulis</i>	0.329	1.27	12.1%	0.472	1.82	7.4%
<i>Pleurotus eryngii</i>	0.009	0.04	46.9%	0.019	0.09	25.2%
<i>Amanita caesarea</i>	0.006	0.02	80.2%	0.035	0.15	20.7%
<i>Cantharellus cibarius</i>	0.001	0.01	75.7%	0.007	0.05	46.9%
<i>Other species</i>	0.046	0.27	26.9%	0.026	0.16	27.5%
TOTAL	1.314	4.53	5.6%	1.548	5.32	3.6%
<i>Valid controls</i>		1533			3244	

Table A.3: Comparison between the productivity value of pickers' yield of wild edible mushrooms and net labor market wages in Castile and León (Spain) in euros per hour: 2013-2014

Wage level			Value of the productivity		
Type	Concept	Code	Value	Limit	Pickers
2013					
			13.80	Upper	Intensive pickers
			10.41	Mean	Intensive pickers
Non-recreational	Permanent full time	W_{ft-p}	9.58		
Non-recreational	Temporary full time	W_{ft-t}	8.50		
Non-recreational	Permanent part time	W_{pt-p}	8.44		
Non-recreational	Temporary part time	W_{pt-t}	7.19		
			7.02	Lower	Intensive pickers
Non-recreational	Minimum legal	W_{min}	5.28		
			5.18	Upper	Local pickers
			4.80	Mean	Local pickers
Recreational	Permanent full time	W^r_{ft-p}	4.79		
			4.42	Lower	Local pickers
			4.39	Upper	Other national pickers
Recreational	Temporary full time	W^r_{ft-t}	4.25		
Recreational	Permanent part time	W^r_{pt-p}	4.22		
			4.05	Mean	Other national pickers
			3.71	Lower	Other national pickers
Recreational	Temporary part time	W^r_{pt-t}	3.59		
Recreational	Minimum legal	W^r_{min}	2.64		
Country of origin	Permanent full time	W_i	2.49		
2014					
			12.85	Upper	Intensive pickers
			11.16	Mean	Intensive pickers
Non-recreational	Permanent full time	W_{ft-p}	9.78		
			9.47	Lower	Intensive pickers
Non-recreational	Permanent part time	W_{pt-p}	8.5		
Non-recreational	Temporary full time	W_{ft-t}	8.23		
Non-recreational	Temporary part time	W_{pt-t}	6.92		
			5.66	Upper	Local pickers
			5.39	Mean	Local pickers
Non-recreational	Minimum legal	W_{min}	5.26		
			5.12	Lower	Local pickers
Recreational	Permanent full time	W^r_{ft-p}	4.89		
			4.85	Upper	Other national pickers
			4.60	Mean	Other national pickers
			4.35	Lower	Other national pickers
Recreational	Permanent part time	W^r_{pt-p}	4.32		
Recreational	Temporary full time	W^r_{ft-t}	4.12		
Recreational	Temporary part time	W^r_{pt-t}	3.46		
Recreational	Minimum legal	W^r_{min}	2.63		
Country of origin	Permanent full time	W_i	2.56		