

‘Products mapping’ and trade in agri-food products between Nigeria and the EU28

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The authors are fully responsible for both the content and the formal aspects of the electronic supplementary material. No editorial adjustments were made.

Electronic supplementary material

Supplementary Figure S1

Supplementary Tables S1–3

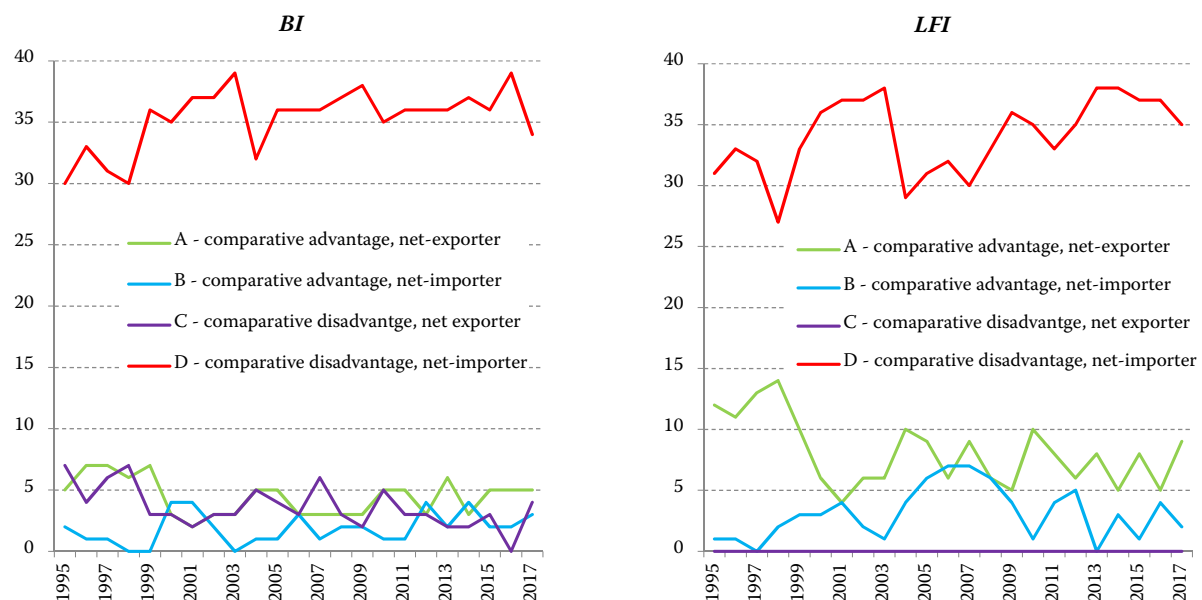


Figure S1. Changes in food products mapping (*BI* and *LFI*) between Nigeria and the EU28, 1995–2017

BI – Balassa index; *LFI* – Lafay index

Source: Computed based on UNCTAD (2019a)

<https://doi.org/10.17221/145/2019-AGRICECON>

Table S1. Sectors and their numeric designations; SITC rev.3, 3-digit code (SITC)

SITC code	Food product	SITC code	Food product
001	Live animals	057	Fruit, nuts excl. oil nuts
011	Bovine meat	058	Fruit, preserved, prepared
012	Other meat, other offal	059	Fruit, vegetable juices
016	Meat, ed. offl., dry, slt, smk	061	Sugars, molasses, honey
017	Meat, offl. Prdd, nes	062	Sugar, confectionery
022	Milk and cream	071	Coffee, coffee substitutes
023	Butter, other fat of milk	072	Cocoa
024	Cheese and curd	073	Chocolate, oth. cocoa prep.
025	Eggs, birds, yolks, albumin	074	Tea and mate
034	Fish, fresh, chilled, frozn	075	Spices
035	Fish, dried, salted, smoked	081	Animal feed stuff
036	Crustaceans, Molluscs	091	Margarine and shorten
037	Fish etc. prepd, prsvd. nes	098	Edible prod. prepetns, nes
041	Wheat, Meslin, Unmilled	111	Non-alcohol. beverage
042	Rice	112	Alcoholic Beverages
043	Barley, unmilled	121	Tobacco, unmanufactured
044	Maize unmilled	122	Tobacco, manufactured
045	Other cereals, unmilled	222	Oil seeds and oleaginous fruits (excl. flour)
046	Meal, Flour of wheat, msln	223	Oil seeds, oleaginous fruits (incl. flour, n.e.s.)
047	Other cereal meal, flours	411	Animal oils and fats
048	Cereal preparations	421	Fixed veg. fat, oils, soft
054	Vegetables	422	Fixed veg. fat, oils, other
056	Vegetables, prpd, prsvd, nes	431	Animal, veg. Fats, oils, nes.

Source: UNCTAD (2019b)

<https://doi.org/10.17221/145/2019-AGRICECON>

Table S2. *TBI* – Nigeria's agri-food trade (46 food products) with the EU28

SITC code	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
001	-0.86	-0.98	-0.98	-0.99	-0.95	-0.32	-0.94	-0.98	-0.96	-0.96	-0.82	-0.92	-0.91	-0.94	-0.93
011	-1.00	-1.00	-1.00	-1.00	-1.00	-0.90	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
012	-0.98	-0.99	-0.90	-0.95	-0.84	-0.93	-0.97	-0.96	-0.92	-0.85	-0.83	-0.91	-0.86	-0.72	-1.00
016	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	0.29	-1.00	-1.00	-0.01	-1.00	-1.00
017	-1.00	-0.99	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-0.81	-1.00	-0.89	-1.00	-1.00
022	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-0.99	-0.98	-0.98	-0.33	-0.93	-1.00	-0.59	-0.99	-1.00
023	-1.00	-0.63	-1.00	-1.00	-0.98	-1.00	-1.00	-1.00	-1.00	-1.00	-0.62	-1.00	-0.79	-1.00	-1.00
024	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-0.99	-1.00	-0.99	-1.00	-1.00
025	-1.00	-1.00	-1.00	-1.00	-1.00	-0.26	-1.00	-1.00	-1.00	-1.00	-0.99	-1.00	-0.99	-1.00	-1.00
034	-0.95	-0.98	-0.99	-0.99	-0.99	-0.99	-0.98	-0.99	-0.98	-1.00	-0.95	-0.99	-0.99	-0.99	-0.99
035	-0.55	-0.96	-1.00	-1.00	-1.00	-0.88	-1.00	-1.00	-1.00	-1.00	-0.85	-1.00	-0.94	-1.00	-1.00
036	1.00	1.00	0.98	0.91	0.97	0.86	1.00	1.00	0.90	0.99	1.00	0.99	0.99	1.00	0.95
037	-0.98	-0.96	-0.45	-0.84	-0.99	-1.00	-1.00	-0.99	-1.00	-0.96	-0.99	-1.00	-0.99	-0.96	0.38
041	8.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-0.89	-1.00	-0.94	-1.00	-1.00
042	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	0.42	-1.00	0.09	-0.95	-1.00
043	nd	-1.00	1.00	nd	-1.00	nd	nd	1.00	nd	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
044	-1.00	nd	-1.00	-1.00	-0.99	-1.00	-1.00	-1.00	0.90	-0.33	-0.85	-1.00	-0.72	-1.00	-0.99
045	1.00	-0.64	0.70	-1.00	0.43	-0.88	-0.95	0.89	-0.96	-0.56	-0.72	-1.00	-0.99	-1.00	-1.00
046	-1.00	-0.99	-0.23	-1.00	0.68	-0.94	-0.56	-0.78	-0.29	-0.88	-0.74	-0.70	-0.75	-0.77	-0.92
047	-0.64	-0.93	-0.32	-0.95	-0.98	-1.00	-0.87	-0.99	-0.99	-1.00	-0.84	-0.99	-0.96	-0.96	-0.93
048	-1.00	-1.00	-1.00	-0.99	-0.96	-1.00	-0.99	-1.00	-0.99	-1.00	-0.97	-1.00	-0.99	-1.00	-1.00
054	0.48	0.08	0.82	0.58	0.40	0.58	0.64	0.62	0.42	0.26	0.23	0.31	0.12	-0.23	0.26
056	-0.97	-0.99	-0.96	-0.98	-0.97	-0.98	-0.97	-0.98	-0.96	-1.00	-0.92	-0.98	-0.98	-0.99	-0.98
057	0.58	0.43	0.39	0.07	0.86	0.46	0.76	-0.08	0.44	-0.09	0.36	-0.01	0.06	-0.57	-0.23
058	-0.93	-0.99	-0.81	-0.99	-0.52	-0.97	-0.81	-0.95	-0.88	-0.97	-0.73	-0.84	-0.93	-0.58	0.48
059	-1.00	-1.00	-0.99	-1.00	-1.00	-1.00	-0.99	-0.99	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-0.99
061	-1.00	-1.00	-1.00	-1.00	-0.98	-1.00	-1.00	-0.99	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
062	-1.00	-1.00	-0.91	-1.00	0.11	-0.65	-0.28	0.21	-0.87	-1.00	-1.00	-0.99	-0.99	-1.00	-0.99
071	0.56	-0.99	-0.58	0.60	-0.36	-0.84	-0.82	-0.56	-0.16	-0.63	-0.93	-0.73	-0.67	-0.63	-0.54
072	1.00	1.00	0.97	1.00	1.00	1.00	1.00	1.00	0.17	1.00	0.97	1.00	0.98	1.00	1.00
073	-1.00	-0.96	-0.98	-0.29	-0.19	-0.88	-0.43	0.16	-0.52	-0.78	-0.99	-0.95	-0.86	-0.98	-0.98
074	-0.99	-1.00	-0.91	-0.81	-1.00	-1.00	-0.89	-0.95	-0.99	-1.00	-0.97	-0.99	-0.98	-0.99	-0.99
075	-0.40	-0.10	0.18	-0.56	-0.38	-0.50	-0.38	-0.74	0.48	-0.21	0.03	-0.06	0.01	0.55	0.18
081	0.63	-0.04	0.02	-0.71	-0.37	-0.72	-0.79	-0.86	-0.71	-0.83	-0.78	-0.90	-0.93	-0.97	-0.74
091	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-0.79	-1.00	-0.93	-1.00	-1.00
098	-0.99	-0.99	-0.99	-0.99	-1.00	-0.99	-0.99	-0.99	-0.99	-0.99	-0.99	-1.00	-0.99	-0.99	-0.99
111	-0.92	-0.96	-0.78	-0.66	-0.78	-0.83	-0.89	-0.92	-0.96	-0.96	-0.92	-0.93	-0.95	-0.93	-0.95
112	-0.97	-0.89	-0.56	-0.65	-0.63	-0.55	-0.73	-0.77	-0.81	-0.93	-0.91	-0.92	-0.92	-0.90	-0.94
121	0.94	-0.89	-1.00	-1.00	-1.00	-1.00	-1.00	-0.98	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
122	-1.00	-1.00	-1.00	-0.96	-0.95	-0.85	-0.60	0.41	-0.81	-0.77	-0.97	-1.00	-0.87	-1.00	-0.67
222	0.82	0.29	0.66	0.96	0.92	0.89	0.98	0.99	0.90	1.00	0.95	0.95	0.95	1.00	0.99
223	1.00	-0.91	-0.76	-0.71	0.50	0.77	-0.57	0.51	0.58	0.74	0.99	0.59	0.91	0.49	1.00
411	-1.00	-1.00	-1.00	-1.00	-0.99	-1.00	-1.00	-1.00	-0.97	-1.00	-0.89	-1.00	-0.93	-1.00	-1.00
421	0.22	-1.00	-1.00	-0.99	-1.00	-1.00	-1.00	-0.97	-1.00	-0.94	-0.98	-0.99	-0.95	-1.00	-1.00
422	0.74	0.79	-0.26	-0.72	-0.63	-0.52	-0.54	-0.91	-0.86	-0.96	-0.95	-0.59	-0.95	-0.27	0.81
431	-0.99	-0.99	-0.95	-0.83	-0.99	-0.94	-0.92	-1.00	-0.97	-0.93	-0.74	-0.95	-0.73	-0.99	-0.87
Total	-0.16	-0.67	-0.52	-0.67	-0.51	-0.48	-0.28	-0.21	-0.52	-0.26	-0.16	-0.47	-0.22	-0.36	-0.51

nd – no data; *TBI* – trade balance index

Source: Computed based on UNCTAD (2019a)

<https://doi.org/10.17221/145/2019-AGRICECON>
Table S3. Bilateral trade in 46 agri-food product groups (*LFI*) between Nigeria and the EU28

SITC code	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
001	−0.05	−0.02	−0.01	−0.01	−0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
011	−0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
012	−0.02	−0.03	−0.03	0.00	0.00	−0.01	−0.04	−0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
016	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.01	0.00	0.00
017	−0.02	−0.01	0.00	0.00	0.00	0.00	−0.01	−0.01	0.00	−0.01	−0.01	−0.01	−0.01	−0.02	0.00
022	−3.79	−1.41	−1.83	−1.75	−2.45	−1.63	−1.40	−1.40	−0.88	1.03	−1.42	−1.73	−0.06	−1.31	−1.51
023	−0.42	0.03	−0.06	−0.07	−0.15	−0.07	−0.07	−0.07	−0.01	−0.03	0.00	−0.02	−0.01	−0.03	−0.03
024	−0.05	−0.01	−0.01	−0.01	−0.01	−0.01	−0.02	−0.02	0.00	−0.01	−0.01	−0.01	−0.01	−0.03	−0.02
025	0.00	−0.01	0.00	0.00	0.00	0.00	−0.02	−0.02	0.00	−0.01	−0.02	−0.01	−0.01	−0.02	−0.01
034	−4.93	−1.79	−1.96	−1.08	−1.91	−0.81	−1.05	−1.05	−0.29	−1.40	−1.17	−1.36	−1.60	−1.63	−1.29
035	0.00	−0.02	−0.08	−0.07	−0.09	−0.04	−0.13	−0.13	−0.02	−0.06	−0.03	−0.04	−0.06	−0.08	−0.07
036	1.00	3.78	2.39	1.46	2.13	1.13	1.14	1.14	0.68	0.77	1.43	1.12	1.18	1.85	1.19
037	5.08	0.00	0.00	0.00	−0.01	−0.01	−0.02	−0.02	0.00	0.00	0.00	−0.01	−0.01	0.00	0.01
041	nd	−0.52	−0.92	−1.01	−1.15	−0.19	−1.67	−1.67	−0.05	−0.52	−0.37	−0.45	−0.31	−0.64	−1.00
042	0.00	−0.17	−0.23	−0.07	−0.17	−0.02	−0.09	−0.09	0.00	0.00	0.02	0.00	0.00	0.00	0.00
043	nd	0.00	0.00	nd	0.00	nd	nd	nd	nd	0.00	0.00	0.00	0.00	−0.02	−0.02
044	0.00	nd	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	−0.02	−0.01	0.00	−0.02	−0.01
045	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	−0.04	−0.03
046	−0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
047	0.00	0.00	0.00	0.00	0.00	−0.01	−0.01	−0.01	0.00	−0.01	−0.01	0.00	0.00	0.00	0.00
048	−0.71	−0.17	−0.23	−0.14	−0.22	−0.29	−0.35	−0.35	−0.16	−0.50	−0.55	−0.51	−0.58	−0.63	−0.55
054	0.13	0.04	0.18	0.13	0.14	0.21	0.31	0.31	0.10	0.12	0.10	0.15	0.11	0.08	0.18
056	−0.50	−0.30	−0.05	−0.18	−0.25	−0.24	−0.41	−0.41	−0.06	−0.25	−0.25	−0.15	−0.24	−0.18	−0.13
057	0.06	0.04	0.03	0.02	0.25	0.08	0.13	0.13	0.03	0.02	0.07	0.04	0.04	0.00	0.01
058	−0.02	−0.01	0.00	−0.04	0.00	−0.01	0.00	0.00	0.00	−0.01	0.00	0.00	−0.01	0.00	0.03
059	−0.27	−0.17	−0.06	−0.02	−0.09	−0.12	−0.07	−0.07	−0.01	−0.06	−0.10	−0.06	−0.09	−0.10	−0.04
061	−0.38	−1.11	−0.55	−0.25	−0.23	−0.23	−0.31	−0.31	−0.05	−0.17	−0.15	−0.13	−0.12	−0.08	−0.06
062	−0.07	−0.01	−0.01	0.00	0.01	0.00	0.01	0.01	0.00	−0.01	−0.01	−0.01	−0.01	−0.01	−0.01
071	0.22	−0.85	0.01	0.10	0.02	−0.01	0.00	0.00	0.01	0.00	−0.01	0.00	0.00	0.00	0.00
072	20.67	7.70	10.68	7.78	12.94	9.19	13.09	13.09	6.06	10.40	14.96	10.09	13.60	11.27	7.39
073	−0.04	−0.01	0.00	0.01	0.02	−0.01	0.00	0.00	0.01	−0.01	−0.02	−0.02	−0.02	−0.03	−0.02
074	−0.16	−0.04	−0.01	0.00	−0.01	−0.01	−0.01	−0.01	−0.01	−0.04	−0.02	−0.01	−0.02	−0.06	−0.04
075	0.01	0.16	0.07	0.04	0.05	0.03	0.02	0.02	0.14	0.05	0.07	0.08	0.11	0.30	0.11
081	1.76	0.47	0.14	0.04	0.23	−0.02	−0.14	−0.14	0.02	−0.09	−0.13	−0.13	−0.22	−0.30	−0.11
091	0.08	−0.04	−0.02	−0.01	−0.03	−0.05	−0.03	−0.03	−0.01	−0.01	−0.01	−0.05	−0.03	−0.01	−0.03
098	−2.97	−0.66	−1.01	−0.92	−1.24	−0.96	−1.23	−1.23	−0.49	−0.91	−1.75	−1.36	−1.32	−1.50	−2.08
111	−0.05	−0.02	−0.01	0.03	−0.04	−0.08	−0.08	−0.08	−0.03	−0.17	−0.16	−0.12	−0.22	−0.15	−0.14
112	−0.69	−0.13	0.07	0.11	0.07	0.31	−0.16	−0.16	−0.01	−0.34	−0.49	−0.37	−0.39	−0.42	−0.36
121	0.05	−0.01	−0.04	−0.10	−0.07	−0.05	−0.03	−0.03	−0.01	−0.07	−0.12	−0.10	−0.14	−0.24	−0.16
122	−0.13	−0.26	−0.95	−0.03	−0.12	−0.04	−0.01	−0.01	−0.01	−0.03	−0.05	−0.03	−0.07	−0.02	0.00
222	0.16	0.14	0.05	0.02	0.11	0.04	0.24	0.24	0.15	0.17	1.30	0.75	0.62	0.53	0.92
223	0.00	−0.02	−0.01	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.08	0.01	0.03	0.00	0.90
411	−0.03	−0.13	−0.25	−0.05	−0.10	−0.12	−0.05	−0.05	−0.01	0.00	−0.02	−0.01	−0.03	0.00	−0.01
421	0.35	−0.03	−0.02	0.00	0.00	−0.03	−0.03	−0.03	0.00	−0.02	−0.03	−0.02	−0.02	−0.02	−0.02
422	0.19	0.19	0.06	0.00	0.00	0.00	0.00	0.00	0.00	−0.03	−0.02	0.00	−0.02	0.06	0.24
431	−0.16	−0.02	−0.03	0.00	−0.03	−0.02	−0.01	−0.01	−0.01	−0.01	−0.01	−0.01	−0.01	−0.01	−0.01

LFI – Lafay index

Source: Computed based on UNCTAD (2019a)