



Carbon Footprinting Emissions Report

Quorn Foods take seriously the responsibility to ensure we are managing our own impacts on the environment. That is why in 2012 we began calculating the carbon footprints for our products in line with internationally recognised standards so we can understand their impacts and set goals to reduce these. Using a science led approach to environmental research and continuous analysis of our entire supply chain we're committed to ambitious targets and look forward to tracking our continuous improvement.

Our products are assessed against:

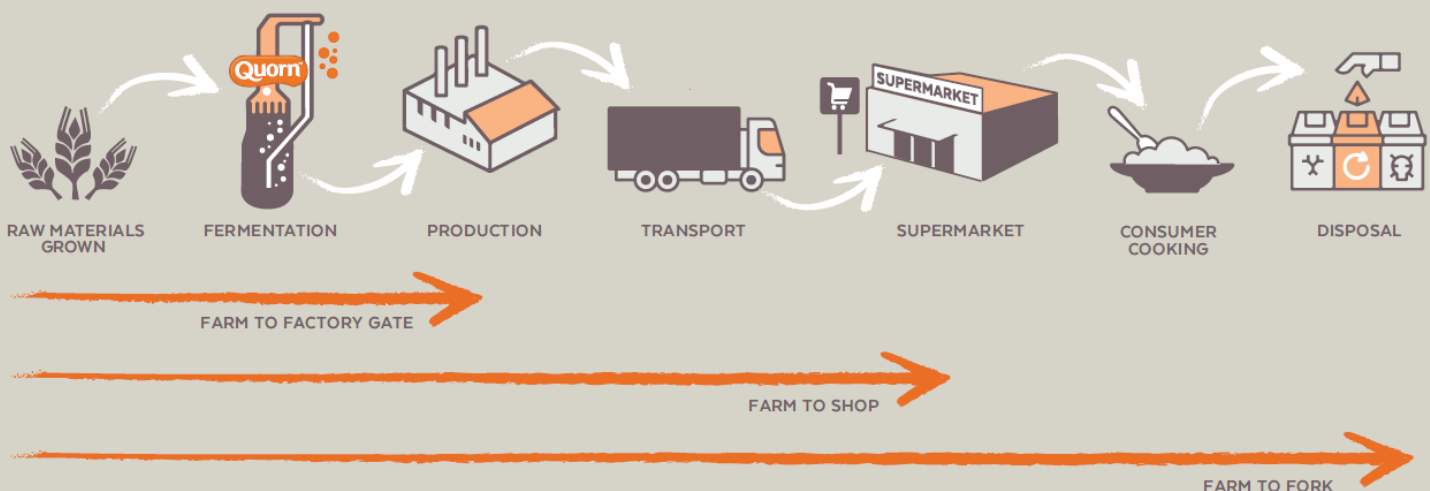
- PAS 2050:2011
- Product Carbon Footprint Protocol (parts 1 and 2) and
- The certification requirements of the Footprint Expert™ Guide



The values shown in the Footprinting Results represent the carbon footprints of our products using 'Farm to Factory Gate' and 'Farm to Fork' boundaries, as well as 'Farm to Shop' for our UK and Sweden products. All carbon footprints are third-party accredited and certified by the Carbon Trust. We expect to publish the carbon footprints of all our UK products by the end of 2021.

'Farm to Factory Gate' accounts for all greenhouse gases emitted from farming the ingredients to extracting raw materials, manufacturing and packing the product, as well as all energy and transportation used throughout. 'Farm to Shop' adds the additional transport, storage and distribution to the supermarket. Whereas 'Farm to Fork' considers emissions right up until the end of the product's life, including storage, cooking of the Quorn product and finally disposal of the packaging.

All carbon footprints are measured in kgCO₂e (kg of carbon dioxide equivalent), which measures all greenhouse gases in one unit relative to the global warming potential of carbon dioxide.





Footprinting Results

The tables below reveal the 2021 carbon footprints for a range of our products.

Mycoprotein

kgCO₂e / kg
(Farm to Factory
Gate)

Mycoprotein	0.7
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UK

Frozen Products

	Pack Weight (g)	Serving Size (g)	Farm to Factory Gate		Farm to Shop		Farm to Fork	
			kgCO ₂ e / kg of Product	kgCO ₂ e / Serving	kgCO ₂ e / kg of Product	kgCO ₂ e / Serving	kgCO ₂ e / kg of Product	kgCO ₂ e / Serving
Mince	300	75	1.36	0.10	1.46	0.11	2.13	0.16
Mince	500	75	1.2	0.09	1.3	0.10	2.1	0.16
Mince	1000	75	1.2	0.09	-	-	1.6	0.12
Pieces	300	75	1.27	0.10	1.37	0.10	2.13	0.16
Pieces	500	75	1.2	0.09	1.3	0.10	2.2	0.17
Pieces	1000	75	1.2	0.09	1.4	0.11	1.6	0.12
Filletts	312	52	1.18	0.06	1.38	0.07	2.12	0.11
Nuggets	476	80	1.45	0.12	1.67	0.13	4.25	0.34
Crispy Nuggets	300	80	1.44	0.11	1.48	0.12	5.00	0.40
Vegan Nuggets	280	70	1.72	0.12	1.96	0.14	4.86	0.34
Roarsomes Vegan Dinosaurs	240	80	1.29	0.10	1.51	0.12	4.00	0.32
Dippers	2,000	80	1.82	0.15	2.03	0.16	4.00	0.32
Fishless Scampi	200	100	1.66	0.17	1.78	0.18	3.80	0.38
Battered Salt & Vinegar Fishless Fillet	200	100	1.5	0.15	1.6	0.16	4.5	0.45
Breaded Lemon & Pepper Fishless Fillet	200	100	1.5	0.15	1.6	0.16	4.5	0.45
Vegan Fishless Fingers	200	60	1.79	0.11	1.99	0.12	5.00	0.30
Balls	300	75	1.42	0.11	1.56	0.12	2.27	0.17
Quarter Pounder	227	114	2.16	0.25	2.38	0.27	4.39	0.50
Sausages	336	84	1.29	0.11	1.32	0.11	3.33	0.28





Sausages	504	84	1.29	0.11	1.46	0.12	2.02	0.17
Sausages	2,000	84	1.59	0.13	1.77	0.15	2.02	0.17
Sausage Patties	168	42	2.08	0.09	2.35	0.10	3.10	0.13

Chilled Products

	Pack Weight (g)	Serving Size (g)	Farm to Factory Gate		Farm to Shop		Farm to Fork	
			kgCO ₂ e / kg of Product	kgCO ₂ e / Serving	kgCO ₂ e / kg of Product	kgCO ₂ e / Serving	kgCO ₂ e / kg of Product	kgCO ₂ e / Serving
Mince	350	75	2.2	0.17	2.2	0.17	2.9	0.21
Pieces	350	75	2.1	0.16	2.2	0.17	2.9	0.22
Deli Ham	170	25	2.38	0.06	2.57	0.06	3.20	0.08
Deli Vegan Pepperoni	100	25	2.47	0.06	2.84	0.07	3.00	0.08
Mini Cocktail Sausages	180	60	1.54	0.09	1.67	0.10	3.67	0.22
Vegan Chicken-free Slices	100	25	2.16	0.05	2.23	0.06	2.40	0.06
Vegan Ham-Free Slices	100	25	2.07	0.05	2.13	0.05	2.20	0.06
Vegan Peri Peri Strips	175	82	2.41	0.20	2.61	0.21	2.93	0.24
Vegan Turkish Kebab Strips	175	82	2.40	0.20	2.61	0.21	2.93	0.24
Tikka Masala	400	400	2.32	0.93	2.51	1.00	2.75	1.10

Food Cupboard Products

	Pack Weight (g)	Serving Size (g)	Farm to Factory Gate		Farm to Shop		Farm to Fork	
			kgCO ₂ e / kg of Product	kgCO ₂ e / Serving	kgCO ₂ e / kg of Product	kgCO ₂ e / Serving	kgCO ₂ e / kg of Product	kgCO ₂ e / Serving
Classic Brunch Pots	250	250	3.25	0.81	3.47	0.87	3.60	0.90
Biryani Bowl	300	300	2.3	0.69	2.3	0.69	2.8	0.84
Fajita Strips	180	90	2	0.18	2.1	0.19	2.7	0.25
Mexican Chilli Bean Bowl	300	300	2.1	0.63	2.2	0.66	2.6	0.78
Mexican Chilli Pouch	225	112	1.7	0.19	1.8	0.20	2	0.23
Tikka Pouch	225	112	1.4	0.16	1.5	0.17	1.8	0.2
Red Lentil Chickpea Bowl	300	300	2.6	0.78	2.7	0.81	3.2	0.95
Spicy Tikka Strips	180	90	1.9	0.17	1.9	0.17	2.5	0.23



Sweden

	Pack Weight (g)	Serving Size (g)	Farm to Factory Gate		Farm to Shop		Farm to Fork	
			kgCO ₂ e / kg of Product	kgCO ₂ e / Serving	kgCO ₂ e / kg of Product	kgCO ₂ e / Serving	kgCO ₂ e / kg of Product	kgCO ₂ e / Serving
Mince	300	75	1.37	0.10	1.58	0.12	1.87	0.14
Pieces	300	75	1.28	0.10	1.56	0.12	1.87	0.14
Pieces	600	75	1.2	0.09	1.5	0.11	1.8	0.13
Pieces	1000	75	1.2	0.09	1.5	0.11	1.6	0.12
Filletts	312	52	1.30	0.07	1.63	0.08	2.31	0.12
Crispy Nuggets	300	76	1.54	0.12	2.07	0.16	3.16	0.24
Vegan Nuggets	280	70	1.69	0.12	2.30	0.16	3.71	0.26
Balls	300	75	1.42	0.11	1.87	0.14	1.73	0.13
Premium Burger	320	80	1.78	0.14	2.17	0.17	2.50	0.20
Vegan Ham Free Deli	100	25	2.25	0.06	2.65	0.07	2.80	0.07
Vegan Chicken Free Deli	100	25	2.27	0.06	2.64	0.07	2.80	0.07
Southern Style Burgers	164	63	2.76	0.17	3.17	0.20	4.44	0.28

Norway, Finland, Denmark, the Netherlands and Belgium

	Country	Pack Weight (g)	Serving Size (g)	Farm to Factory Gate		Farm to Fork	
				kgCO ₂ e / kg of Product	kgCO ₂ e / Serving	kgCO ₂ e / kg of Product	kgCO ₂ e / Serving
Mince	Norway	300	75	1.2	0.09	1.9	0.14
Pieces	Norway	300	75	1.2	0.09	1.9	0.14
Mince	Finland	300	75	1.2	0.09	2.2	0.17
Pieces	Finland	300	75	1.2	0.09	2.3	0.17
Mince	Denmark	300	75	1.2	0.09	2.5	0.18
Pieces	Denmark	300	75	1.2	0.09	2.5	0.18
Mince	The Netherlands	175	75	2.37	0.18	3.73	0.28
Pieces	The Netherlands	175	75	2.26	0.17	3.47	0.26
Vegan Chicken Free Deli	The Netherlands	100	25	2.35	0.06	3.00	0.08
Vegan Ham Free Deli	The Netherlands	100	25	2.23	0.06	3.00	0.08
Mince	Belgium	175	75	2.36	0.18	3.47	0.26
Pieces	Belgium	175	75	2.25	0.17	2.93	0.22





Rest of the World

	Country	Pack Weight (g)	Serving Size (g)	Farm to Factory Gate		Farm to Fork	
				kgCO ₂ e / kg of Product	kgCO ₂ e / Serving	kgCO ₂ e / kg of Product	kgCO ₂ e / Serving
Mince	Australia	300	75	1.3	0.10	4.3	0.32
Pieces	Australia	300	75	1.3	0.10	4.8	0.36
Vegan Fillets	Australia	252	63	1.70	0.11	4.76	0.30
Mince	New Zealand	300	75	1.3	0.10	3.4	0.26
Pieces	New Zealand	300	75	1.3	0.10	3.5	0.26

