



## 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 are committed to ambitious targets and look forward to tracking our continuous improvement.

Our products are assessed against:

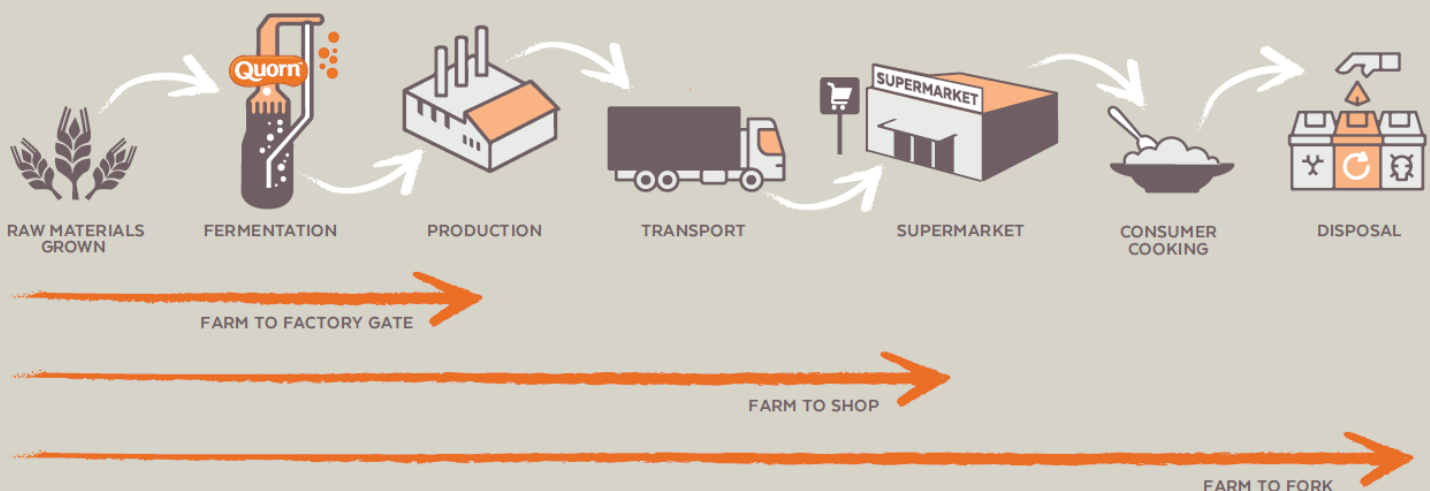
- PAS 2050:2011
- Greenhouse Gas Protocol
- Product Carbon Footprint Protocol (parts 1 and 2) and
- The certification requirements of the Footprint Expert™ Guide



The values shown in the Footprinting Results represent the carbon footprints of our products using 'Farm to Factory Gate', 'Farm to Shop' and 'Farm to Fork' boundaries. All carbon footprints are third-party accredited and certified by the Carbon Trust.

'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 kgCO<sub>2</sub>e (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

kgCO<sub>2</sub>e / 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 <sub>2</sub> e / kg of Product	kgCO <sub>2</sub> e / Serving	kgCO <sub>2</sub> e / kg of Product	kgCO <sub>2</sub> e / Serving	kgCO <sub>2</sub> e / kg of Product	kgCO <sub>2</sub> e / Serving
Mince	300	75	1.36	0.10	1.46	0.11	2.13	0.16
Mince	500	75	1.35	0.10	2.00	0.15	2.13	0.16
Pieces	300	75	1.27	0.10	1.37	0.10	2.13	0.16
Pieces	500	75	1.49	0.11	2.15	0.16	2.27	0.17
Steak Strips	300	75	1.61	0.12	2.21	0.17	2.40	0.18
Vegan Pieces	280	70	1.50	0.10	2.16	0.15	2.29	0.16
Balls	300	75	1.42	0.11	1.56	0.12	2.27	0.17
Crispy Nuggets	300	80	1.44	0.11	1.48	0.12	5.00	0.40
Hot & Spicy Bites	465	87	1.80	0.16	2.48	0.22	4.60	0.40
Mini Fillets	300	61	1.65	0.10	2.37	0.14	4.92	0.30
Nuggets	476	80	1.45	0.12	1.67	0.13	4.25	0.34
Southern Fried Bites	300	94	1.62	0.15	1.86	0.18	3.62	0.34
Southern Fried Bites	2000	75	1.31	0.10	1.95	0.15	4.27	0.32
Vegan Nuggets	280	70	1.72	0.12	1.96	0.14	4.86	0.34
Sausages	336	84	1.29	0.11	2.58	0.22	3.10	0.26
Sausages	504	84	1.29	0.11	1.46	0.12	2.02	0.17
Cocktail Sausage	3000	75	2.23	0.17	2.96	0.22	4.80	0.36
Bacon Style Slices	150	37	2.75	0.10	3.57	0.13	3.78	0.14
Roast	454	90	2.41	0.22	3.08	0.28	6.11	0.55
Beef Roast	400	100	2.72	0.27	3.39	0.34	6.00	0.60
Gammon Roast	400	100	2.34	0.23	3.02	0.30	5.50	0.55
Vegan Sausage	400	100	1.25	0.13	1.89	0.19	3.80	0.38
Vegan Steak Bake	300	150	3.66	0.55	0.22	0.03	1.60	0.24
Roarsomes Vegan Dinosaurs	240	80	1.29	0.10	1.51	0.12	4.00	0.32





Vegan Hot & Spicy Burger	264	66	1.54	0.10	2.16	0.14	4.85	0.32
Quarter Pounder	227	114	2.16	0.25	2.38	0.27	4.39	0.50
Sausage Patties	168	42	2.08	0.09	2.35	0.10	3.10	0.13
Chicken Style Burgers	252	63	2.10	0.13	2.75	0.17	5.40	0.34
Southern Fried Burgers	252	63	2.11	0.13	2.77	0.17	5.40	0.34
Cheese & Broccoli Escalope	240	120	3.13	0.38	3.83	0.46	5.42	0.65
Garlic Mushroom Escalope	240	120	3.73	0.45	4.50	0.54	5.83	0.70
Fillets	312	52	1.18	0.06	1.38	0.07	2.12	0.11
Vegan Fillets	252	63	1.86	0.12	2.52	0.16	2.70	0.17
Buffalo Wings	250	93	1.84	0.17	2.62	0.24	4.30	0.40
Crispy Fillets	200	100	2.26	0.23	3.03	0.30	5.00	0.50
Garlic & Herb Fillets	200	100	2.39	0.24	3.13	0.31	5.00	0.50
Southern Fried Wings	250	93	1.82	0.17	3.01	0.28	4.84	0.45
Vegan Buttermilk Chicken Burger	200	100	1.81	0.18	2.45	0.25	4.00	0.40
Vegan Crunchy Strips	250	90	1.79	0.16	2.56	0.23	4.44	0.40
Fishless Scampi	200	100	1.66	0.17	1.78	0.18	3.80	0.38
Salt & Vinegar Fishless Fillets	200	100	1.56	0.16	2.21	0.22	4.00	0.40
Vegan Fishless Fingers	200	60	1.79	0.11	1.99	0.12	5.00	0.30
Chicken & Bacon Lattice	300	150	1.88	0.28	2.59	0.39	4.00	0.60
Steak Style & Gravy Pie	400	200	1.61	0.32	2.27	0.45	3.50	0.70
Cottage Pie	300	300	1.27	0.38	1.96	0.59	2.83	0.85
Lasagne	300	300	1.59	0.48	2.30	0.69	3.17	0.95
Tikka & Rice	300	300	2.26	0.68	3.03	0.91	4.00	1.20

### Chilled Products

	Pack Weight (g)	Serving Size (g)	Farm to Factory Gate		Farm to Shop		Farm to Fork	
			kgCO <sub>2</sub> e / kg of Product	kgCO <sub>2</sub> e / Serving	kgCO <sub>2</sub> e / kg of Product	kgCO <sub>2</sub> e / Serving	kgCO <sub>2</sub> e / kg of Product	kgCO <sub>2</sub> e / Serving
Mince	350	75	2.74	0.21	3.17	0.24	3.20	0.24
Pieces	350	75	2.62	0.20	3.04	0.23	3.20	0.24
Sweet Chipotle Chilli Goujons	180	90	2.08	0.19	2.52	0.23	4.00	0.36
Peppered Steaks	196	98	3.07	0.30	3.54	0.35	3.67	0.36
Emmental Escalope	220	110	4.35	0.48	5.01	0.55	6.36	0.70
Mozzarella & Pesto Escalope	240	120	4.12	0.49	4.64	0.56	1.33	0.16



3 Sausage Roll	210	70	1.35	0.09	1.72	0.12	2.14	0.15
Peppered Steak Slice	167	167	1.87	0.31	2.73	0.46	3.89	0.65
Deli Bacon Rashers	120	30	2.18	0.07	2.54	0.08	2.50	0.08
Deli Chicken	170	28	2.85	0.08	3.30	0.09	3.39	0.10
Deli Ham	170	25	2.38	0.06	2.57	0.06	3.20	0.08
Deli Spinach & Red Pepper	100	25	3.41	0.09	3.87	0.10	3.80	0.10
Deli Turkey	170	28	2.65	0.07	3.08	0.09	3.04	0.09
Deli Vegan Pepperoni	100	25	2.19	0.05	2.53	0.06	2.60	0.07
Deli Vegan Pepperoni	100	25	2.47	0.06	2.84	0.07	3.00	0.08
Roast Sliced Fillet	140	70	3.50	0.25	4.00	0.28	5.71	0.40
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
Cottage Pie	400	400	1.05	0.42	1.34	0.54	1.88	0.75
Lasagne	400	400	2.13	0.85	2.48	0.99	2.50	1.00
Quorn Tikka Masala	400	400	2.32	0.93	2.51	1.00	2.75	1.10
Best of British Sausages	240	60	5.07	0.30	5.60	0.34	5.67	0.34
Vegan Sausage	270	90	1.52	0.14	1.84	0.17	1.89	0.17
Mini Savoury Eggs	240	60	2.07	0.12	2.32	0.14	4.67	0.28
Picnic Eggs	180	60	2.13	0.13	2.39	0.14	4.67	0.28
Southern Fried Poppers	60	60	1.38	0.08	1.66	0.10	1.67	0.10
Sweet Chilli Bites	180	60	1.54	0.09	1.81	0.11	1.83	0.11
Mini Cocktail Sausages	180	60	1.54	0.09	1.67	0.10	3.67	0.22

### Food Cupboard Products

	Pack Weight (g)	Serving Size (g)	Farm to Factory Gate		Farm to Shop		Farm to Fork	
			kgCO <sub>2</sub> e / kg of Product	kgCO <sub>2</sub> e / Serving	kgCO <sub>2</sub> e / kg of Product	kgCO <sub>2</sub> e / Serving	kgCO <sub>2</sub> e / kg of Product	kgCO <sub>2</sub> e / Serving
Biryani Bowl	300	300	4.51	1.35	4.81	1.44	5.00	1.50
Chickpea & Lentil Bowl	300	300	3.99	1.20	4.27	1.28	4.33	1.30
Chilli Bean Bowl	300	300	3.35	1.00	3.60	1.08	3.67	1.10
Chicken & Mushroom Pasta	300	300	2.95	0.89	3.18	0.95	3.17	0.95
Classic Brunch Pots	250	250	3.25	0.81	3.47	0.87	3.60	0.90



Classic Chilli Pouch	225	225	2.95	0.66	3.16	0.71	3.11	0.70
Tasty Tikka Pouch	225	225	2.84	0.64	3.05	0.69	3.11	0.70
Fajita Strips	180	90	2.21	0.20	2.41	0.22	2.44	0.22
Salt & Pepper Strips	180	90	2.83	0.25	3.07	0.28	3.11	0.28
Tikka Strips	180	90	2.38	0.21	2.59	0.23	2.67	0.24

## Sweden

### Frozen Products

	Pack Weight (g)	Serving Size (g)	Farm to Factory Gate		Farm to Shop		Farm to Fork	
			kgCO <sub>2e</sub> / kg of Product	kgCO <sub>2e</sub> / Serving	kgCO <sub>2e</sub> / kg of Product	kgCO <sub>2e</sub> / Serving	kgCO <sub>2e</sub> / kg of Product	kgCO <sub>2e</sub> / Serving
Mince	300	75	1.37	0.10	1.58	0.12	1.87	0.14
Mince	800	75	1.54	0.12	2.27	0.17	2.27	0.17
Pieces	300	75	1.28	0.10	1.56	0.12	1.87	0.14
Pieces	600	75	1.43	0.11	2.06	0.15	1.87	0.14
Balls	300	75	1.42	0.11	1.87	0.14	1.73	0.13
Fillets	312	52	1.30	0.07	1.63	0.08	2.31	0.12
Vegan Breaded Schnitzel	200	100	2.13	0.21	2.90	0.29	3.80	0.38
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
Premium Burger	320	80	1.78	0.14	2.17	0.17	2.50	0.20

### Chilled Products

	Pack Weight (g)	Serving Size (g)	Farm to Factory Gate		Farm to Shop		Farm to Fork	
			kgCO <sub>2e</sub> / kg of Product	kgCO <sub>2e</sub> / Serving	kgCO <sub>2e</sub> / kg of Product	kgCO <sub>2e</sub> / Serving	kgCO <sub>2e</sub> / kg of Product	kgCO <sub>2e</sub> / Serving
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
Vegan Nugget	200	70	2.72	0.19	2.64	0.18	3.71	0.26
Southern Style Burgers	164	63	2.76	0.17	3.17	0.20	4.44	0.28





### The Netherlands, Belgium and Ireland

	Country	Pack Weight (g)	Serving Size (g)	Farm to Factory Gate		Farm to Shop		Farm to Fork	
				kgCO <sub>2e</sub> / kg of Product	kgCO <sub>2e</sub> / Serving	kgCO <sub>2e</sub> / kg of Product	kgCO <sub>2e</sub> / Serving	kgCO <sub>2e</sub> / kg of Product	kgCO <sub>2e</sub> / Serving
Mince	Netherlands	175	75	3.07	0.23	3.76	0.28	3.73	0.28
Mince	Netherlands	175	75	2.37	0.18	2.86	0.21	3.73	0.28
Pieces	Netherlands	175	75	2.83	0.21	3.41	0.26	3.47	0.26
Pieces	Netherlands	175	75	2.26	0.17	2.74	0.21	3.47	0.26
Vegan Ham Deli	Netherlands	100	25	2.23	0.06	2.53	0.06	3.00	0.08
Vegan Chicken Deli	Netherlands	100	25	2.35	0.06	2.58	0.06	3.00	0.08
Mince	Belgium	175	75	2.36	0.18	2.67	0.20	3.47	0.26
Pieces	Belgium	175	75	2.25	0.17	2.52	0.19	2.93	0.22

### Asia Pacific

	Country	Pack Weight (g)	Serving Size (g)	Farm to Factory Gate		Farm to Shop		Farm to Fork	
				kgCO <sub>2e</sub> / kg of Product	kgCO <sub>2e</sub> / Serving	kgCO <sub>2e</sub> / kg of Product	kgCO <sub>2e</sub> / Serving	kgCO <sub>2e</sub> / kg of Product	kgCO <sub>2e</sub> / Serving
Mince	Australia	300	75	1.62	0.12	4.22	0.32	4.67	0.35
Pieces	Australia	300	75	1.48	0.11	3.92	0.29	4.27	0.32
Vegan Fillets	Australia	252	63	1.70	0.11	3.39	0.21	4.76	0.30
Mince	New Zealand	300	75	1.62	0.12	3.20	0.24	3.33	0.25
Pieces	New Zealand	300	75	1.48	0.11	3.05	0.23	2.93	0.22
Mince	Philippines	300	75	1.57	0.12	3.86	0.29	4.27	0.32
Pieces	Philippines	300	75	1.45	0.11	3.86	0.29	4.27	0.32
Mince	Singapore	300	75	1.57	0.12	3.71	0.28	4.27	0.32
Pieces	Singapore	300	75	1.45	0.11	3.65	0.27	4.27	0.32

