

# Quorn Foods - Sustainability

## Product Carbon Footprint Certification Summary Report



### Summary

Quorn Foods began measuring the product carbon footprints of its main Stock-Keeping Units (SKUs) in 2011 and first achieved certification with the Carbon Trust in 2012.

Early in 2015, we achieved a reduction of up to 15% for the carbon footprints of our products.

### Scope of analysis

With a focus to date on our best-selling Quorn Mince and Pieces (frozen) product carbon footprints, the scope of our analysis covers both cradle-to-grave (business to consumer) and cradle-to-gate (business to business) certification. The product carbon footprints were certified against the requirements of the following internationally-recognised standards:

- PAS 2050:2011
- Product Carbon Footprint Protocol (parts 1 and 2) and
- The certification requirements of the Footprint Expert™ Guide – version 4.1



The cradle-to-grave product carbon footprints include all emissions from the full life cycle of the products; from agriculture and raw material extraction, all the way to consumer use and disposal. We certified the cradle-to-gate carbon footprint of mycoprotein, including all life cycle emissions until the end of our fermentation process and 'at the factory gate'. We also distinguish the cradle-to-gate footprint of our finished goods; the boundary of which is the end of our production line after processing and packaging.

### Footprint Results

The tables below reveal the carbon footprint results of our top selling SKUs.

Product	Pack Size	Country	CO <sub>2</sub> e rounded	Functional Unit / Boundary
<b>Mycoprotein</b>	per kg	UK	1.6	per kg / cradle-to-gate
<b>Quorn Mince (Frozen)</b>	300g	UK, Nordic markets, South Africa, Australia, New Zealand	2.4	per kg / cradle-to-gate
<b>Quorn Mince – Catering (Frozen)</b>	per kg	UK	2.2	per kg / cradle-to-gate

<b>Quorn Mince (Chilled)</b>	350g	UK	4.5	per kg / cradle-to-gate
<b>Quorn Pieces (Frozen)</b>	300g	UK, Nordic markets, South Africa, Australia, New Zealand	2.2	per kg / cradle-to-gate
<b>Quorn Pieces – Catering (Frozen)</b>	per kg	UK	2.2	per kg / cradle-to-gate
<b>Quorn Pieces (Chilled)</b>	350g	UK	4.5	per kg / cradle-to-gate
<b>Quorn Mince (Frozen)</b>	300g	UK, Nordic markets, South Africa, Australia, New Zealand	3.6	per kg / cradle-to-grave
<b>Quorn Mince – Catering (Frozen)</b>	per kg	UK	2.8	per kg / cradle-to-grave
<b>Quorn Mince (Chilled)</b>	350g	UK	5.5	per kg / cradle-to-grave
<b>Quorn Pieces (Frozen)</b>	300g	UK, Nordic markets, South Africa, Australia, New Zealand	3.8	per kg / cradle-to-grave
<b>Quorn Pieces – Catering (Frozen)</b>	per kg	UK	2.6	per kg / cradle-to-grave
<b>Quorn Pieces (Chilled)</b>	350g	UK	5.5	per kg / cradle-to-grave

### Footprint Re-Certification Results

<b>Product</b>	<b>Country</b>	<b>Reduction</b>
<b>Mycoprotein</b>	UK	15%
<b>Quorn Mince (Frozen)</b>	UK	10%
<b>Quorn Pieces (Frozen)</b>	UK	11%

For more information on our sustainability story, please see our latest Sustainability report at [www.quorn.co.uk/sustainability](http://www.quorn.co.uk/sustainability)

