



BLOSSOM

COFFEE ROASTERS



Environmental Impact Report 2020/21

The speciality coffee industry is not alone in facing a precarious road ahead.

Now more than ever, we all have an essential role to play in protecting the things we love. For us, this means inspiring more people to fall in love with speciality coffee and encouraging them to be part of a movement that helps to protect it for future generations.

Our yearly Environmental Impact Report has been designed to be a transparent breakdown of the methods we use to monitor and measure our emissions across the entire business. It will remain central to everything we do.

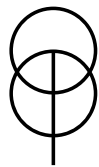
This is our debut report, the 2020/2021 edition.

In this edition, we will be focusing in on the company's founding principles and the initiatives we have established to reduce our impact from day one. We will also introduce several new projects that are in the pipeline that are very close to our hearts, examining the key commitments we have made to improving our future practices.

Through publishing this report, we hope to interact with our community to discover and embrace new and innovative ways of working that will help us continue to raise the industry benchmark and inspire others to do the same. We would love to hear from you with any suggestions or comments.

It's time to do things differently,

Josh & Andy



Report

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Data capture

Measuring our impact

From day one we have acknowledged the importance of accurate data guiding our decision making.

By implementing additional steps throughout our operations, we are able to monitor our impact closely and be constantly reviewing ways in which we can improve our overall performance.

- In our first year of trading we have introduced an accurate monitoring system for calculating the emissions produced by our UK delivery, providing us with a breakdown of distances travelled and the vehicles being used.
- Through analysing and pairing our previous roast data with our current gas usage, we are able to calculate the total gas expended per roast and the additional emissions this process produces.
- We have also been able to calculate the emissions produced during the full life cycle of our coffee bags and mailing materials, from the production at source to the final stages of recycling.

Our company carbon footprint is measured in CO₂e, or 'carbon dioxide equivalent emissions'. This means that we include additional greenhouse emissions, such as methane, in our calculations and attribute them a 'carbon equivalent' effect using the government conversion factors for company reporting. We then combine all of these data sets to produce a carbon footprint measurement of the total tons of CO₂e emitted across our entire UK operations.

Whilst these are significant steps forward, our end goal is to be able to trace the carbon footprint of our product across the entire production chain, monitoring it from the seedling on the farm to the cup of coffee in your hand. That is why we created the 'From Crop to Cup' Project. See pg 11.

Stronger together

B Corp Pending



Using business as a force for good™.

Certified B Corporations® are businesses that balance purpose and profit, legally required to consider the impact of their decisions on both people and the planet.

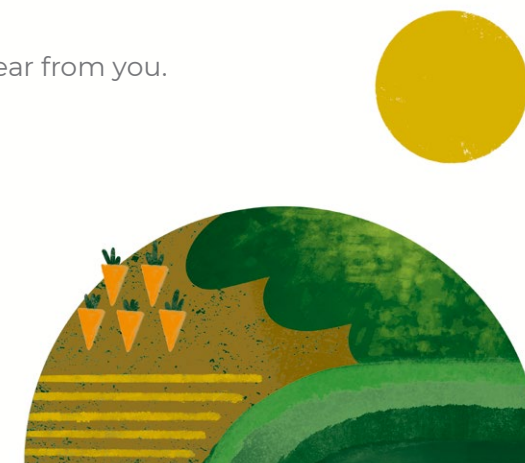
Receiving our B Corp Pending status was an incredibly proud moment for us, joining the frontline of a global movement of like-minded companies all using business as a force for good™.

Through a rigorous, independently assessed certification process, members are required to meet the highest standards of transparency, accountability and social and environmental performance.

As a Pending B Corporation, we are on a one-year journey to attaining our full certification. We will be measuring and managing our social and environmental performance and will receive our assessment in early 2021.

In the meantime, we have updated our Articles of Association to reflect our commitment to achieving full certification and we will be working hard to identify areas for improvement throughout the year. For us, it's a way to learn from others in the community to ensure we are constantly innovating and learning. It's about never resting on our laurels and growing the business in the right way.

If you are a B Corp too, we would love to hear from you.



Drive to zero

A CarbonNeutral[®] company

Our ambition is to have as little impact on the environment as we possibly can.

That is why we believe in investing in new technologies and infrastructure that help us take steps towards eliminating our emissions entirely.

This year has seen us:

- Invest in our fully electric Nissan e-NV200 van.
- Move our electricity supply at the roastery to 100% renewables through Ecotricity.
- Roast on the Loring S15 Falcon, the world’s most environmentally friendly roaster producing up to 60% less emissions compared to other roasters.
- Ensure all our retail and wholesale packaging is fully recyclable.

The end goal is always the same – find ways to drive our emissions as close to zero as we possibly can.

We neutralise our remaining footprint by working with the leading experts on carbon neutrality and climate finance, Natural Capital Partners, becoming a certified a CarbonNeutral[®] company to the standards of the Carbon Neutral Protocol.

By purchasing carbon credits, our money helps fund projects that deliver immediate emission reductions and sustainable development.

You can find more about the Acre Amazonian Rainforest project we support [here](#).



Our estimated carbon footprint between June 2020 and April 2021:

7.52 tonnes of CO²



That’s the equivalent of about 4 return economy flights from London to New York.

Key Figures:

Roastery Production	+ 0.34 tonne CO ² e
Packaging	+0.83 tonne CO ² e
Water Supply & Treatment	+0.09 tonne CO ² e
Packaging End of Life	+0.25 tonne CO ² e
Staff Commute	+0.80 tonne CO ² e
Business Travel	+0.55 tonne CO ² e
UK Delivery	+4.65 tonne CO ² e

For 2020/2021 we have estimated our UK emissions using the most accurate data we have available and ‘retired’ the equivalent carbon credits, meaning those carbon credits can’t be sold or traded again by anyone else. If our true emissions figure for the period is higher, we will purchase carbon credits equivalent to the remaining emissions to maintain our CarbonNeutral company status.

You can find our full report and more information on CO₂e [here](#).

Every detail

Waste Policy

Our waste policy is an important part of what helps us to operate in a way that is responsible towards people and the planet.

Coffee Bags

All of our coffee bags are certified carbon neutral by the supplier and are 100% recyclable through standard recycling schemes. The labels are printed locally on Forest Stewardship Council (FSC®) certified paper using vegetable-based inks that are much kinder to the planet.

Mail Packaging

Our mailing boxes are all made with a minimum of 75% recycled materials and are 100% recyclable to the end user (or reuse them at home). We use kraft paper parcel tape that is made from sustainably produced paper and is 100% recyclable and our packing tissue paper is made from sustainable forest sources and is 100% recyclable and compostable.

Chaff & Coffee Grounds

Chaff is the thin, nitrogen rich outer layer of the coffee bean that is removed during the roasting process. Whilst it isn't much use to us, we've partnered up with local farms and allotments for it to be turned into an organic compost. We currently compost our own coffee grounds that are produced during quality control at the roastery.

Jute Sacks

We donate our old coffee sacks to local allotments, who use them as grow bags and weed suppressers, or to Chester Zoo, where they are reused for bedding or for enrichment projects throughout the zoo.

Collaboration

Blossom Espresso + Manchester City of Trees

With an ever-increasing number of us choosing to live in urban areas, our dependency on trees and green spaces within our cities for physical and mental wellbeing has never been greater.

Urban trees and woodlands also help to lock up carbon, filter air pollution, reduce flood risk and provide essential habitats for wildlife. They are nature's ace card.

We have partnered up with Manchester City of Trees, a local charity who aim to re-invigorate the city's landscape by transforming underused, unloved woodland and planting a tree for every man, woman and child who lives there, within the next 30 years.

From day one we'll be donating a percentage of the profits from each bag of Blossom Espresso sold to Manchester City of Trees (£1 per kilo). That means with your help, every 40 bags of coffee we sell will fund the planting of a new tree here in the city.

Charity Registration No. 1072706





Side projects

What we're working on

Our commitment to operating in a way that is responsible towards people and the planet means, year on year, we will introduce programs to reduce our impact even further.

Green Coffee Transparency Code

Coffee farmers are facing many different struggles in a world altered by accelerating climate change. One of the ways we can support them and safeguard coffee farming for the future, is to ensure they have financial sustainability right now, in the present.

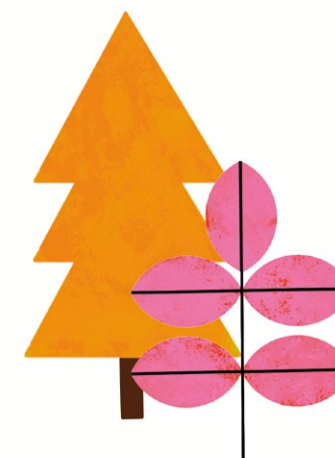
We believe in trading responsibly and paying the farmers we work with a fair price, one based on quality and removed from the fluctuating world coffee market prices.

We have made a commitment to publicly publish all our data on green coffee trading on our website within the next year. How much we bought, the price we paid and how much of that price reached the farmer.

Blossom + Aquapak Collaboration:

We are incredibly excited to be working alongside our friends at Aquapak to develop a completely new packing solution for our entire range of coffee bags.

The bag will be manufactured from either Forest Stewardship Council (FSC®) certified paper or 100% recycled fibres and lined on the inside with Aquapak's Hydropol™ water soluble lining (essential for keeping the coffee fresh). The lining itself is non-toxic, marine-safe and water soluble, so once the bag is finished with it can be easy recycled through standard 'Mixed Paper' home recycling.



Once at the paper mill, the pulping process heats the lining to above 40c allowing it to dissolve and the paper can be processed without any additional separation. Paper treated in this way can be recycled many times to become new paper products before it needs to be retired to be composted. If it happens to end up at landfill it will biodegrade quickly and cause far less harm to ocean life than the plastic alternative.

With development still at an early stage we are aiming to move our entire range of coffee bags over to these new bags in 2021.

'From Crop to Cup' Project

We have made a commitment not just to trace the carbon footprint that is produced through our UK operations but also to be able to monitor the emissions we are responsible for across our entire production chain, from the farmer who grows the coffee to the cup of coffee in your hand.

We are working with the help of independent experts to accurately collect this data over the next 18 months and will publish this information in the 2022/2023 edition of this report. We will combine this publication with the certification of all our coffees as CarbonNeutral® products, purchasing carbon credits to offset the carbon footprint we have calculated each coffee produces through its entire journey to reach us.

We will also use this information to highlight the areas of the production chain we believe need be upgraded or bypassed entirely in order to avoid any unnecessary emissions.

It is the next step in fulfilling our ambition to have as little impact on the environment as we possibly can. It means that every bag of coffee that leaves the roastery has a net zero carbon footprint, right the way from crop to cup.

Keep an eye on our blog or sign up to the newsletter to hear more updates.

Our road map to positive change

