Impact conversions & references

Edible food donated

We periodically carry out a sampling analysis of listings to determine the average impact (weight, financial value, CO2 equivalent, water equivalent, etc). Currently, using the number of items listed by the volunteer we calculate the weight (g) per item as 251g.

Sources:

- https://ncseagrant.ncsu.edu/ncseagrant_docs/products/2010s/ss_trees_benefits.pdf
- http://www.carbon-calculator.org.uk/
- WRAP (2020) The water and carbon footprint of household food and drink waste in the UK
- WRAP (2020) Reporting on the amounts of food surplus redistributed (weight and meal equivalents: WRAP guidance)
- LWARB/Advance London & WRAP (2017): "Estimates of Food Surplus and Waste Arisings in the UK
- http://www.carbon-calculator.org.uk/

Equivalent trees saved

The number of trees refers for an entire year to remove the amount of CO2 equivalent that would have been released into the atmosphere by the food waste. It is assumed one tree removes 48 pounds (21.772kg) of CO2 per year.

Co2 emission avoided

C02 emissions avoided is the sum of the greenhouse gasses required to produce the food, plus the greenhouse gasses released if the food went to landfill. 4.3128kg of C02e is saved per 1 kg of food saved.

Car miles taken off the road

This is the number of car miles that would need to be taken off the road to remove the amount of CO2 equivalent that would have been released into the atmosphere by the food waste. 3.4 miles per 1 kg of CO2e equivalent avoided through redistribution.

Local families fed

Our database shows the unique number of people that have requested food from the volunteer.

Meals equivalent provided

Each 0.42kg of food counts as one meal equivalent and each 0.2kg of food counts as one portion of food.

% of food successfully shared

Our database shows how many items collected by the volunteer were successfully shared with an end consumer.

Litres of water saved

This is the amount of water required to produce the food. WRAP states this is 747 litres per 1kg of food saved.