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We can help you prevent food waste

If you're a food and drink business, we can help you implement a monitoring and measuring system in order to prevent unnecessary food waste. Call 01786 433 930 or email food.drink@zerowastescotland.org.uk and ask about our free food and drink opportunity assessments.

www.zerowastescotland.org.uk/FoodDrink



Why monitor your waste?

If you want to reduce food and drink waste then you need to know what you're wasting, where you're wasting it and why. That's what monitoring and measuring is all about.

Working to reduce waste makes good business sense. We've seen time and again how food and drink businesses can save money by minimising waste. Some savings come through reduced waste disposal costs, others from avoiding the unnecessary waste of raw materials that you've paid for and should be using. You can also make money by recovering and reusing your waste within your business or finding a market for it.

Saving waste is not only financially rewarding, it has the added benefit of reducing carbon emissions and thereby tackling climate change. But before you decide on any course of action, you need to know what waste is coming out of your business, where it's coming from and why it's happening. Knowing the total tonnage of your food waste is only a part of the bigger picture.

For example, if you're a restaurant, the majority of waste might be coming from customer plates or it might be coming from the preparation stage in the kitchen. It might be coming from somewhere else entirely, but until you know for sure you can't focus attention on reducing portion sizes or changing kitchen practices or doing something else altogether.

Measuring and monitoring your waste isn't as difficult as you might think. First, you decide what information you need. Then you put in place a system that will collect the data. You then analyse and evaluate that data to get the information you need for decision-making. That information provides an important baseline. Continued monitoring of your waste will gauge the effectiveness of any actions you put in place, and help keep staff motivated.

This guide aims to get you started, but remember we can offer further help. Call 01786 433 930 or email food.drink@ zerowastescotland.org.uk and ask about our free food and drink opportunity assessments.







What you should measure

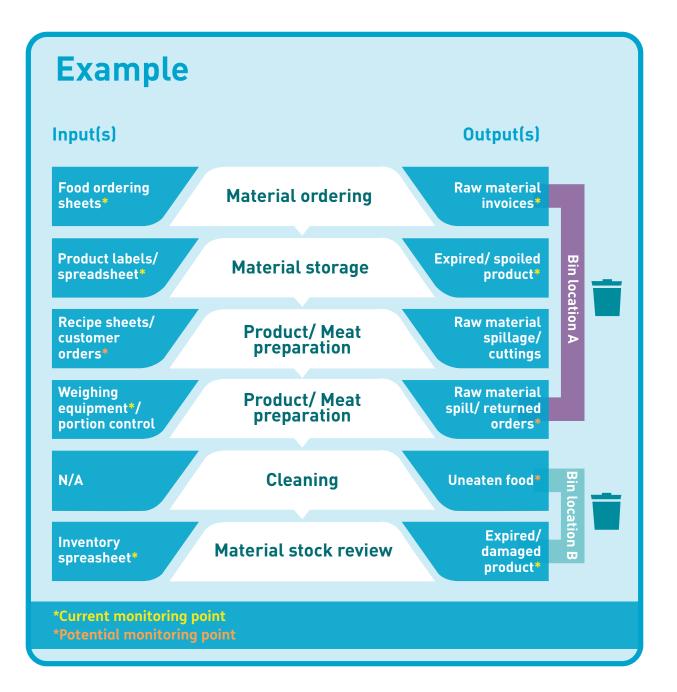
You can measure your total tonnage or measure what's being produced to identify waste hot spots.

There are two ways to measure your waste. You can measure the total of all waste that your business is producing. Or you can measure waste at different points in your business. The latter approach helps you zero in on individual processes and see which are responsible for producing the biggest chunks of waste. You can then put in place a waste prevention solution that's targeted to that process, and is therefore more likely to be effective. To decide what data you're going to collect and monitor, you need to have an idea where waste is being produced. Talking to your staff is an invaluable part of the process. The people working on the frontline will see where waste is being produced. If you know waste is being produced at some point on the factory floor, or in your kitchen, or when your customers are leaving food -

then these are the places you should be examining more closely.

Producing a waste map can help. This identifies all the sources of food waste in your business and what processes are involved – for example, food ordering, preparation, serving and disposal. It should also capture the inputs that contribute to the cost of your waste – for example, the raw materials involved and the labour required up to the point that the waste is created.

With a waste map you can start to see potential locations for your monitoring stations. Mark these on the map and get ready to gather waste-related information. See the diagram on the next page as an example.



A simple waste map can help you see where waste is arising and where you should put in place monitoring and measuring actions.



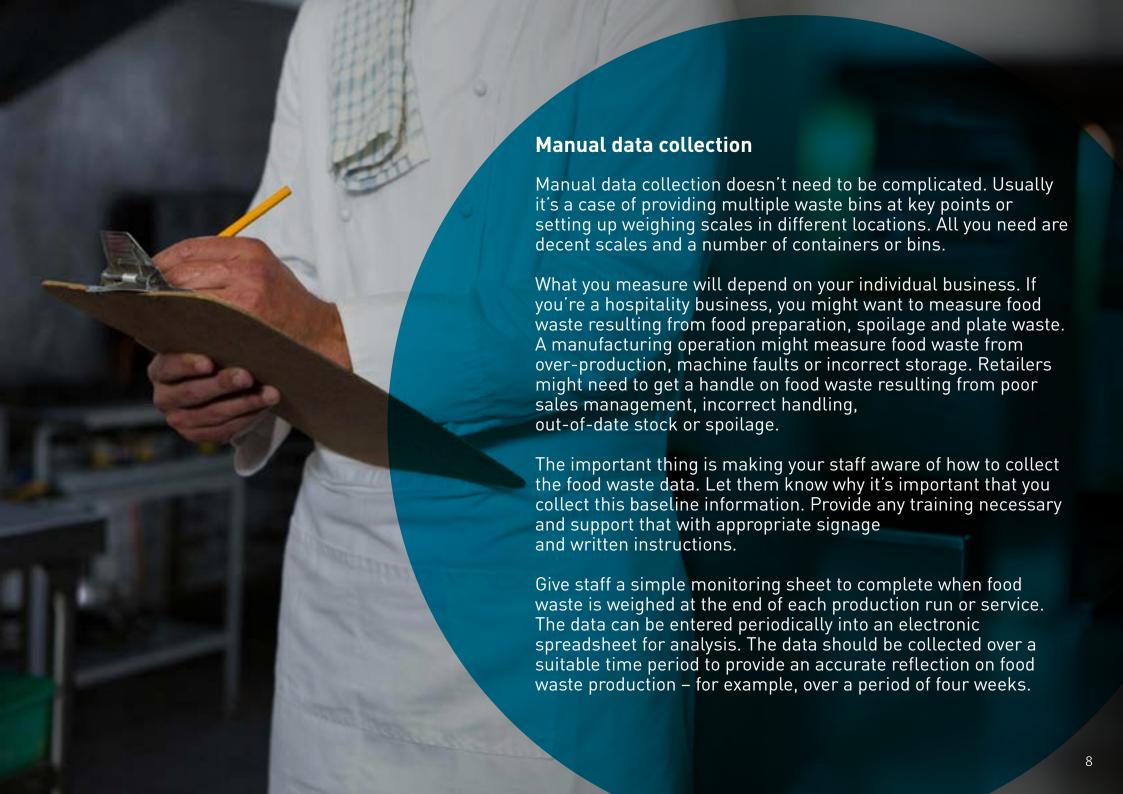


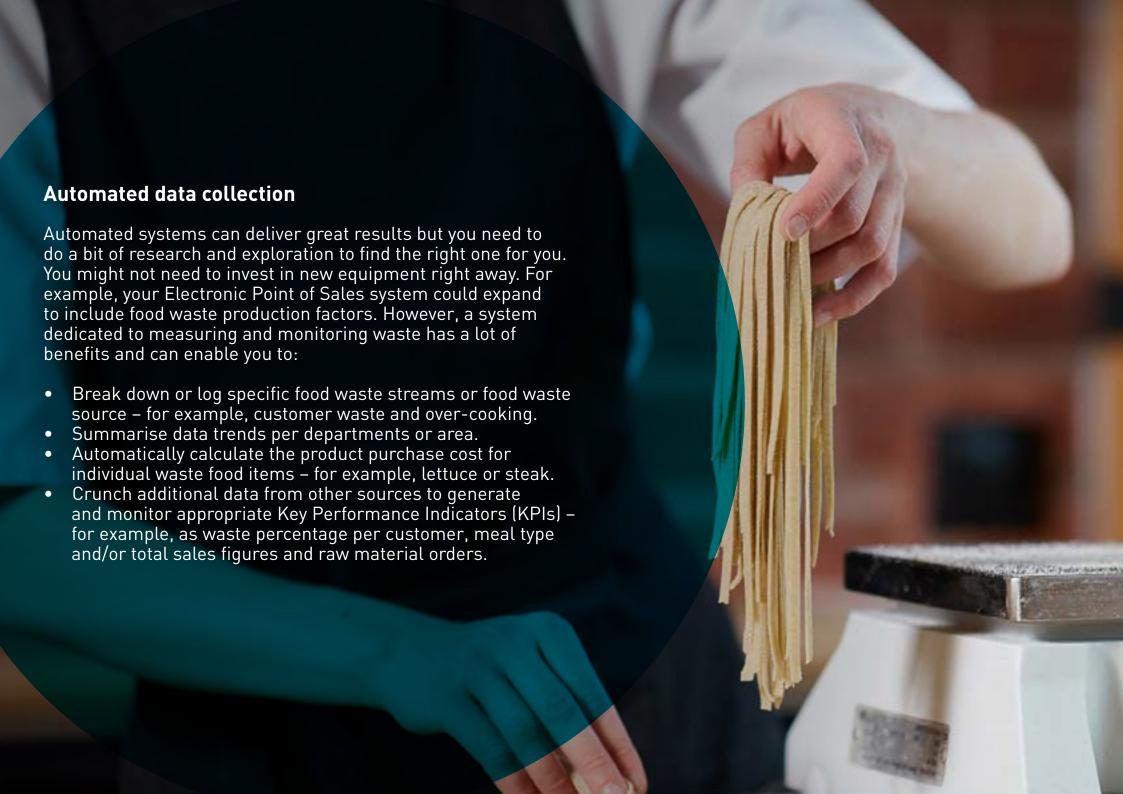
Once you've established where your business is producing waste, you're ready to put in place some monitoring and measuring actions.

There are manual and automated methods for monitoring and measuring food waste streams. The one that's best for you will depend on the size and output of your premises, and the level of capital investment available.

You should also consider the space needed to accommodate equipment and actions, as well as staff time and capability.









Understanding and using your results

Data gathering to plan actions.

Setting a baseline

Once the data has been obtained, it can be used to set the current operating performance of the organisation or 'baseline' food waste performance. This baseline figure is a starting point for measuring the success of any improvements.

Making sense of data

It is important to ensure that the data is presented in a clear and concise manner which is relevant to business operations. Key Performance Indicators (KPIs) are a metric used to evaluate factors that are crucial to the success of your organisation.

Whichever KPI is selected, aim for an indicator that can be reduced over time

This will demonstrate a reduction in the amount of food being wasted, leading to cost savings.

Some example food waste KPIs are suggested below:

Total % (by mass) of food purchased that is waste

Total waste from production run/catering kg/meal served

Total waste per £1,000 turnover



Tracking your data

Our <u>raw materials and waste tracking spreadsheet</u> will enable you to collate and present your date in graphs to illustrate performance.

There is a handy video that quickly explains how you can get the most of your tracker.

Zero Waste Scotland is here to help set up a bespoke monitoring and measuring process for your business.

To receive 1-2-1 support to begin to monitor your food waste, contact us today by calling 01786 433 930 or visit www.zerowastescotland.org.uk/FoodDrink

Our support to reduce your business costs through food waste prevention and reduction are funded by the Scottish Government and by the European Regional Development Fund through the £73 million Resource Efficiency Circular Economy Accelerator Programme.

