



Brighton & Hove Food Partnership

BHFP is an independent, 'not for profit' established in 2003 that helps people learn to cook, to eat a healthy diet, to grow their own food and to waste less food.

- Work with individuals
- Work with groups
- Work with caterers and food businesses
- Work at a strategy and policy level







Surplus food network, product development and food sharing









In 2022 Brighton and Hove's Surplus Food Network saved 1,982 tonnes of food from being wasted







Feeding over 5,000 people per week



7,493 tonnes of CO2
emissions

Ready Healthy Eat – partnership project led by Real Farming Trust with Edinburgh Cyrenians, Now Group Belfast and Hornbeam Centre (London) How to improve access to nutritious food through the provision of 'meals' whilst also reducing the environmental impact of those meals?

Brighton & Hove Food Partnership part of this project

•To improve access isn't only about the physical presence of fresh and healthy produce

•If people do not have the facilities or the means of storing and cooking healthy produce – even if they had *access* to it doesn't mean they are able to benefit from it.

•Is there scope with the packs to rethink 'meals' and overcome these barriers for people without storage / who have switched off fridges due to energy price hikes etc









Fresh surplus products that can flood projects at certain times of year – how could you extend shelf life?

- Main culprits potatoes, bread, milk, tomatoes, courgettes
- Seasonal gluts predictable at certain times of the year swede, tomato, courgettes, pumpkins & squashes
- What about high value protein items such as meat & fish?



What is the best process for extending the shelf life of fresh surplus produce?

- Make meals
- Freeze as meals or ingredients
- Vinegar
- Sugar
- Salt
- Fermentation
- Vinegar
- Pasteurise
- Brewing
- Dehydrate



Problems to solve – in the midst of a pandemic

- Surplus in itself can be problematic unpredictability, volumes & logistics
- Emergency food provisions increasing at exceptional rates

Problem of repetitive and unhealthy food amongst food bank users many of whom have **very limited storage for fresh food**

• First iteration of a solution to a problem Based on a memory of an Italian dried veg product

..... could we make a dehydrated veg pack?







Testing and refining

Things that were established during this phase

- Cuts
- Dehydration time and kit
- Re-hydration method and medium challenge
- What does and doesn't dehydrate well
- Food safety and product check
- HACCP
- Insurance
- Work with nutritionist to ensure that we knew that nutritional value was maintained
- The combination seemed to be infinite stews, risottos, pasta sauces, soups –inspiration from all around the world



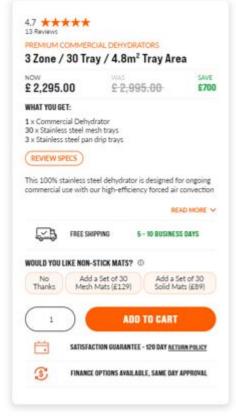




Kit

- We have three-chamber dehydrator which takes around 11kg raw food
- Processing 11kg takes 10-14 hrs =
 1.1kg dehydrated produce
- Water Activity Meter approx.
 £250 ours is Landtek WA-60A
- Vacuum sealer (get one with a manual vacuum option)
- Tray Liners
- Chopping boards, knifes etc
- Storage





Labour intensive process - Chop and Chats

- Volunteer sessions to help
 make the packs chopping,
 loading the dehydrator,
 filling packs and sticking
 labels
- Provided a friendly / social space working together
- A follow on option for Ready Healthy Eat Trainees











Tastings & trials

With the help of Community Researchers at Affordable Food Projects evaluation and feedback

- ☐ Phase 1 Tasters and Visual
- ☐ Phase 2 Tasters and Trials to take home both stand alone and as part of In The Bag meal kits
- Contents became simpler following feedback
 - Size of packs wanted bigger packs for larger families
 - Low energy cooking instructions eg slow cooker and microwave
 - Continue to refine pack combos and instructions
 - Single item for meal projects eg not made into packs







Contents of the packs

- Each of our 65 gram packs contain on average 1.2kg of fresh vegetables
- 1 Flavour pack total cost approx.
 50p without labour (20p energy,
 25p packaging*, 5p labels)
- Packaging challenges
- Instructions
- Allergen labelling
- Batch codes
- Challenge of 'flavour'





Things to consider

Budget
Packaging and labelling
Space and logistics infrastructure – both to get surplus to processing space and product to customers
Person power – labour – how intricate and how many steps to processes
Equipment
Source of the surplus – ideally you want to be as near as possible
Consumers – what do they want / like
Food safety processes – support of EHO team
Selling the product?



Other sources of inspiration

- De Verspillingsfabriek (The Waste Factory)
 https://eu-refresh.org/de-verspillingsfabriek-waste-factory.html
- Panier de La Mer, Bologne sur Mer https://www.panierdelamer.fr/ Fish soup, frozen fish burgers
- Sussex Surplus
 https://www.sussexsurplus.org/
 heat treated (autoclave sterilisation)





Top tips in dehydration guide

If you would like to be sent a copy please contact

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Will be ready early Feb 24

www.bhfood.org.uk