

## Sustainable Food Production (SFP)

### SFP.111K Principles of efficient transport usage in a food environment

#### Unit Summary

This unit is about understanding the efficient use of transport in a food environment. It includes understanding transport usage in support of food manufacture and measures that can be put in place to reduce food miles in respect to all parts of process and the supply chain.

This unit is for you if you work in food and drink operations and your job requires you to have responsibility for improving the efficient use of transport in support of food manufacture. You may have management responsibilities for an operational team.

#### Related Units

This is a knowledge unit which underpins the skills set out in:  
SFP.128S Promote efficient transport usage in a food environment

You need to know and understand:

1. The impact of food transport on the environment and sustainability
2. How transport usage impacts on environmental issues such as climate change
3. The legal requirements that control transport usage
4. Government targets for reducing food miles
5. The environmental, economic and social cost of food miles
6. Causes/sources of carbon emissions from food miles
7. The benefits of efficient transport usage to the organisation
8. Food miles and how they are determined
9. How to establish current levels of transport usage in respect to all organisational activities and the supply chain
10. Transport costs and how they are formed
11. How to assess organisational efficiency in food transport
12. Principles of benchmarking sustainable food transport against best practice in industry
13. The opportunities available to an organisation for reducing food miles
14. The barriers that can limit the reduction of food miles and how these barriers can be overcome
15. Methods available for reducing food miles
16. Logistical efficiency and the benefits it offers
17. The benefits of good practice initiatives including "fewer miles" and "friendlier miles"
18. How to monitor and maintain a reduction in food miles
19. How effective process control and quality assurance can support efficiency within the supply chain
20. How to complete an organisational cost/benefit analysis in respect to transport usage
21. Methods of promoting efficient transport usage
22. How to monitor, control and maintain the efficient use of transport

23. How to define and allocate roles/responsibilities for all those involved in improving transport efficiency across all the activities undertaken by the organisation
24. How to identify training needs and organise staff training to support efficient transport usage
25. How to evaluate the impact of measures to improve transport efficiency
- 26.

**Key Words**

<b>Food miles</b>	The environmental and social costs associated with transporting food from where it is produced, to where it is processed, to the wholesaler, to the retailer or catering outlet and to the consumer
<b>Logistical efficiency</b>	Improved utilisation of vehicles including collaboration between operators, improving vehicle full rates, 'back hauling', 'telematics' and real time control
<b>Barriers</b>	These can be economic, practical, social or legal
<b>Benchmark</b>	A comparative measure of one organisation against another.

**Knowledge matrix** – please specify where you think the various knowledge requirements sit in respect to the different roles. Please add any more requirements that you feel are appropriate.

criteria	champion	supervisor	operative
27. The impact of food transport on climate change			
28. The environmental, economic and social cost of food miles			
29. Food miles and how they are determined			
30. Legislation on sustainable transport in the food industry			
31. Government targets for reducing food miles			
32. Causes/sources of carbon emissions from food miles			
33. Transport costs and how they are formed			
34. How to assess organisational efficiency in food transport			
35. Principles of benchmarking sustainable food transport against best practice in industry			
36. The opportunities available to an organisation for reducing food miles			
37. The barriers that can limit the reduction of food miles			
38. Methods available for reducing food miles			
39. Issues associated with reducing food miles			
40. The strategies used to overcome barriers			
41. The benefits of logistical efficiency			
42. The importance of using locally sourced products			
43. The benefits of good practice initiatives including "fewer miles" and "friendlier miles"			
44. The six initiatives which can be used to reduce food transport			
38. How to monitor and maintain a reduction in food miles			