Objective:
Use the BCH Central Portal to find information about the living modified organism SYN-EV176-9.

References:
BCH Module 4: Finding information from the BCH Central Portal.

Scenario:
You have recently been given a food product that indicates that it contains a genetically modified organism identified as SYN-EV176-9. Use the BCH to answer the following questions.

A. What type of organism is SYN-EV176-9?
B. How has SYN-EV176-9 been modified from its parent organism (i.e. what new characteristics does it display)?
C. Is SYN-EV176-9 known by any other names?
D. What gene has been inserted into SYN-EV176-9? Where did the gene come from?
E. Have any countries approved SYN-EV176-9 for use as human food, or animal feed, or for processing? Which ones?
F. Have any countries decided that SYN-EV176-9 cannot be used for any reason? If so, why?
G. Where could you go for further information about this organism?

Extra work: If time permits, you may wish to answer some of the additional questions below.

H. What product does the inserted gene produce?
I. What other organisms in the BCH have the same inserted traits as SYN-EV176-9?
J. What genes have been inserted into the other organisms to give these same traits?
CASE STUDY 15:
A member of the public looks for information about a genetically modified food product

TRAINER NOTES

Training Objective:
Practice searching for a record in the LMO Registry and finding information on parental organism, trade names, genetic modification, and linked decisions.

Requirements:
Access to the BCH.

Notes:
- Users can work singly or in small groups for this exercise.
- Before running the exercise, the instructor is encouraged to update the expected results section.
- Additional tasks are provided for users who finish the exercise quickly. These address use of the Gene Registry and searching for inserted traits.