



CASE STUDY 15:

A member of the public looks for information about a genetically modified food product.

Objective:

To find information about the living modified organism (LMO) 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 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?



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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.