



### CASE STUDY (CSFI08):

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

#### Objective:

- Use the Biosafety Clearing House (BCH) to find information about the living modified organism SYN-EV176-9.
- Practice searching for a record in the LMO Registry and finding information on a parental organism, trade names, genetic modification, and making decisions.

#### 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.

- Q1.** What type of organism is 'SYN-EV176-9'?
- Q2.** How has 'SYN-EV176-9' been modified from its parent organism (i.e., what new characteristics does it display)?
- Q3.** Is 'SYN-EV176-9' known by any other names?
- Q4.** What gene has been inserted into 'SYN-EV176-9'? Where did the gene come from?
- Q5.** Have any countries approved 'SYN-EV176-9' for human food, animal feed, or processing? Which ones?
- Q6.** Have any countries decided that 'SYN-EV176-9' cannot be used for any reason? If so, why?
- Q7.** 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.

- Q8.** What product does the inserted gene produce?
- Q9.** What other organisms in the BCH have the same inserted traits as 'SYN-EV176-9'?
- Q10.** What genes have been inserted into the other organisms to give these same traits?

