

Biotechnology in food production (fermenters, GM crops, mycoprotein basics)

Q1. (2023)

Other fish farmers have produced genetically modified (GM) salmon.

GM salmon grow large enough to sell in 18 months.

Non-GM salmon grow large enough to sell in 3 years.

GM salmon need 25% less food than non-GM salmon to get to the same size.

A)

0 4 . 8

Suggest **two** advantages of farming GM salmon instead of farming non-GM salmon.

[2 marks]

1 _____

2 _____

B)

0 4 . 9

GM salmon are often farmed a long distance from where wild, non-GM salmon live.

What is an advantage of farming GM salmon a long distance from where wild salmon live?

[1 mark]

Tick (✓) **one** box.

To give the GM salmon different conditions to wild salmon

☐

To increase the genetic differences between GM salmon and wild salmon

☐

To reduce the risk of GM salmon breeding with wild salmon

☐