



AGRITECH CHALLENGE

Food Processing



AGRITECH CHALLENGE: Food Processing Technologies

The Ministry of Agriculture is interested in food processing technology solutions in the areas of:

- **Robotics**
- **Mechanization**
- **Automation**

The end-user of the technology solution will be micro-to-small-scale producers



CHALLENGE SCENARIO I: The Shucking of Shellfish

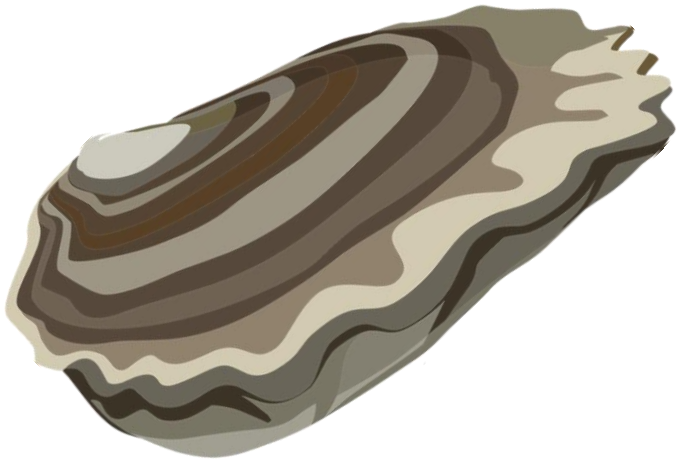
The Ministry is interested in food processing technology solutions that:

- Offer a **faster, safer** and **cleaner** alternative to manually shucking shellfish in B.C.
- Are **affordable** to micro and small-scale processors (\$10k range or less)

Processors of **oysters, mussels** and **clams** are particularly in need of a technology solution



CHALLENGE SCENARIO I: The Shucking of Shellfish



Potential technology solutions include:

- Stand-alone technology that replaces the need for a labourer

OR

- Technology that can be used by a labourer as a tool during the process of shucking shellfish



CHALLENGE SCENARIO II: Plant-based Protein Processing

The Ministry is interested in food processing technology solutions that are:

- Effective for the processing of **plant-based protein** foods
- **Affordable** to micro and small-scale processors (\$10k range or less)





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