

Quebec Edible Insect Sector Portait

IFW2022

Jennifer Larouche

& the executive comittee

**TABLE
FILIÈRE
DES
INSECTES
COMESTIBLES**

**Agriculture, Pêcheries
et Alimentation**

Québec



What is a Sector Table

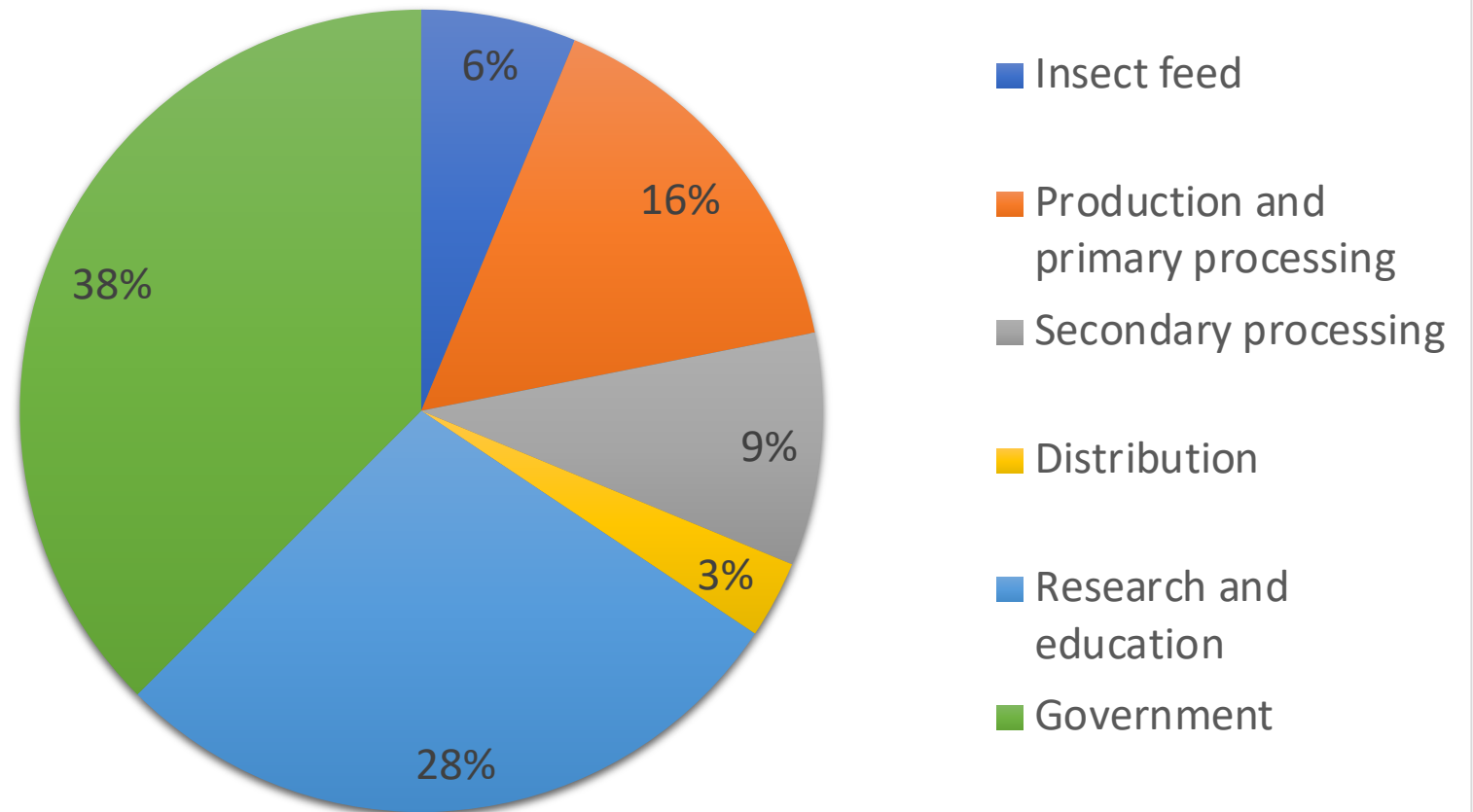
Association whose mandate is to ensure the sustainability and notoriety of an agrifood sector on the markets by promoting synergy between the various links in the sector with the common goal of meeting the demands of consumers and society in terms of food safety, the environment, product quality, farming conditions and economic benefits.

Product diversity in Quebec



32
Members

Distribution of the members of the Table Filière des Insectes Comestibles (2022)



What we have done over the last 6 months

Nov. 2019 : First meeting of the group that will become TFIC

Nov. 2020 : Acknowledgement of the edible insect sector

Reception of the found
from the MAPAQ to support
the TFIC

Accepting general rules

Start registering companies
involved in the insect
industry



- 1) Hiring developing agent
- 2) First work group to be created on Frass

Start collaborating on the
NACIA Good practice guide
(French version to come)

- 1) Web site & social media
- 2) Survey about the industry

Problematic



Active companies in the insect industry are not well known

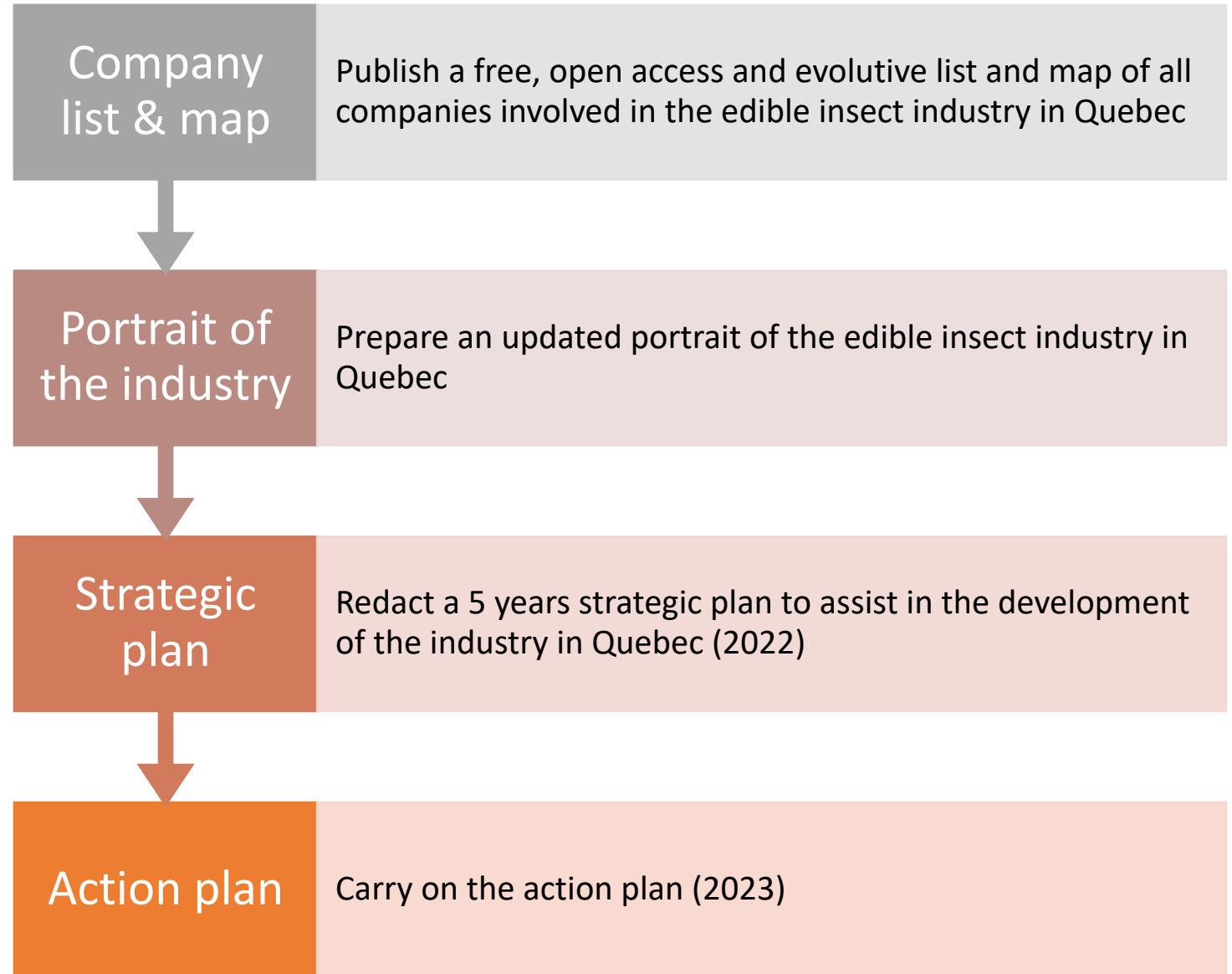


Previous work had portrayed the industry in Quebec (2020, vitrine entotechnologique), but the industry is changing quickly



An updated portrait of the industry is needed in order to prepare a meaningful strategic plan

Objectives



Methodology

Inventory of all companies involved in the edible insect industry

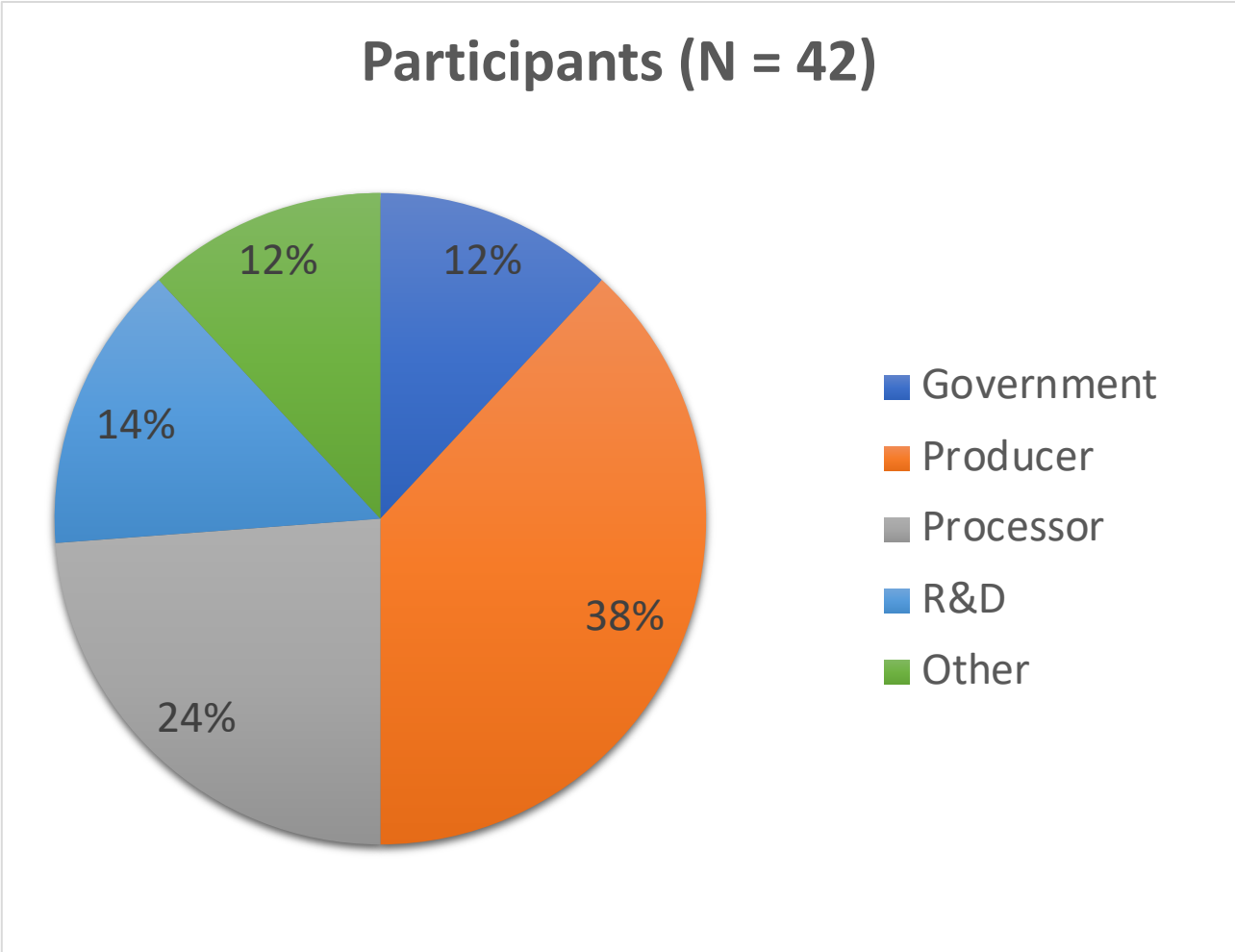
Consolidation of knowledge with public data (CTAQ, Registre des entreprises du Québec, Panier bleu)

Contact of all actors directly via email, phone call and social media (Facebook & LinkedIn) to respond to the survey

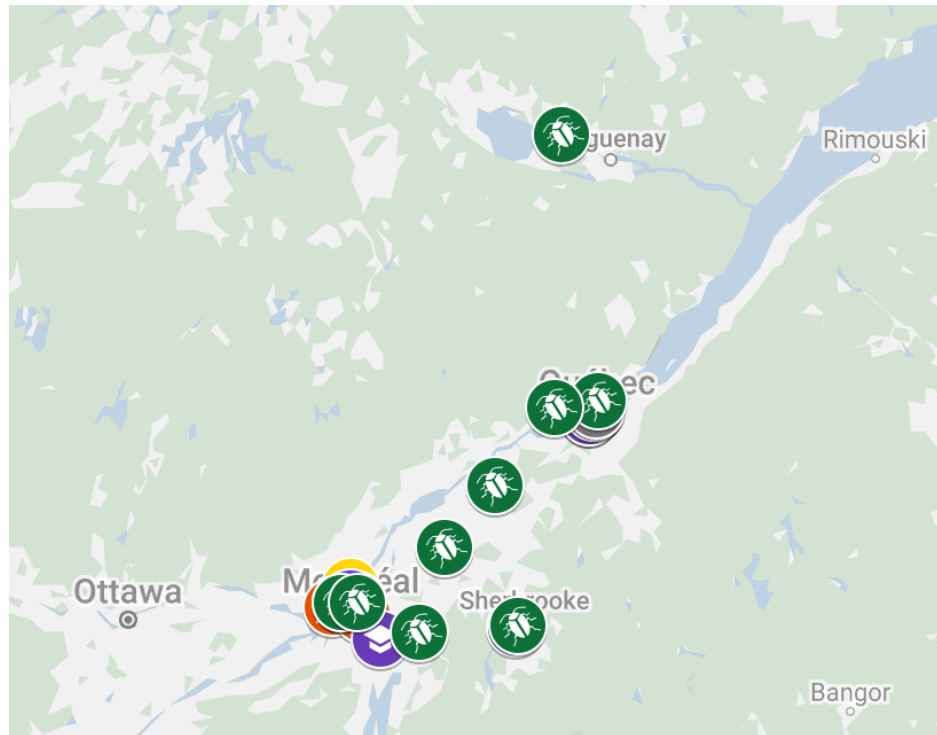
Descriptive analysis of the data by sector

Methodology

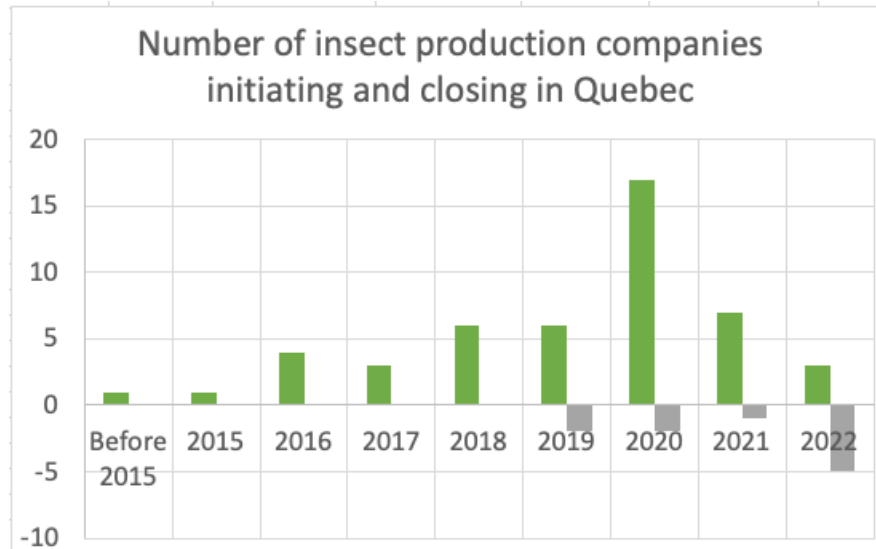
75 organisms contacted



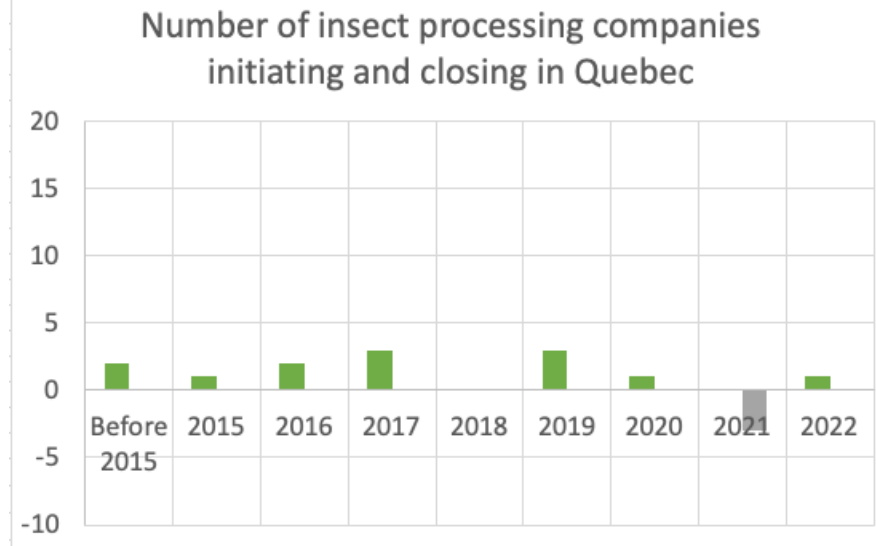
Insect companies in Quebec in 2022



<https://insectescomestibles.ca/cartographie>



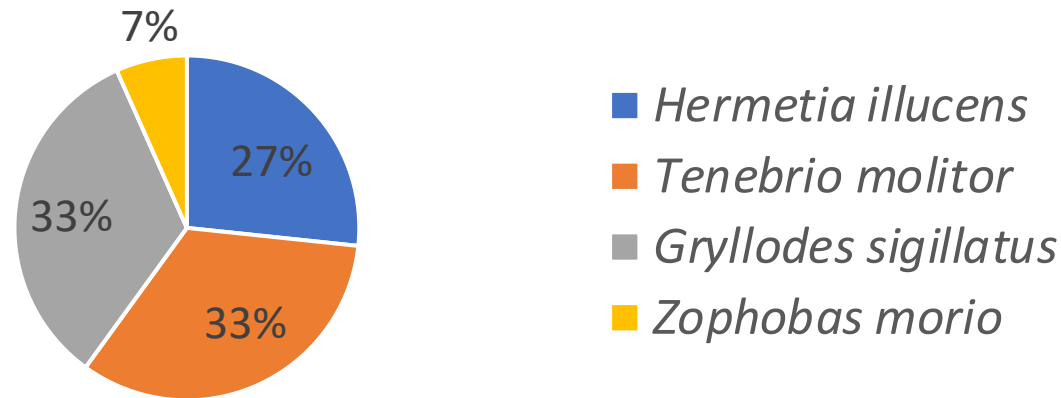
38 producers in 2022



10 processors in 2022

Insect species produced in Quebec

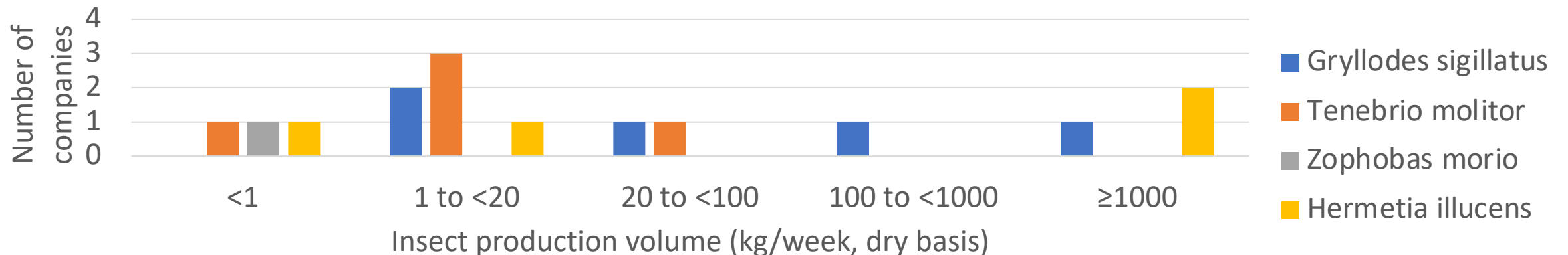
Main insect species produced in Quebec (n = 15)



In Canada, only those insect species are considered as non-novel food

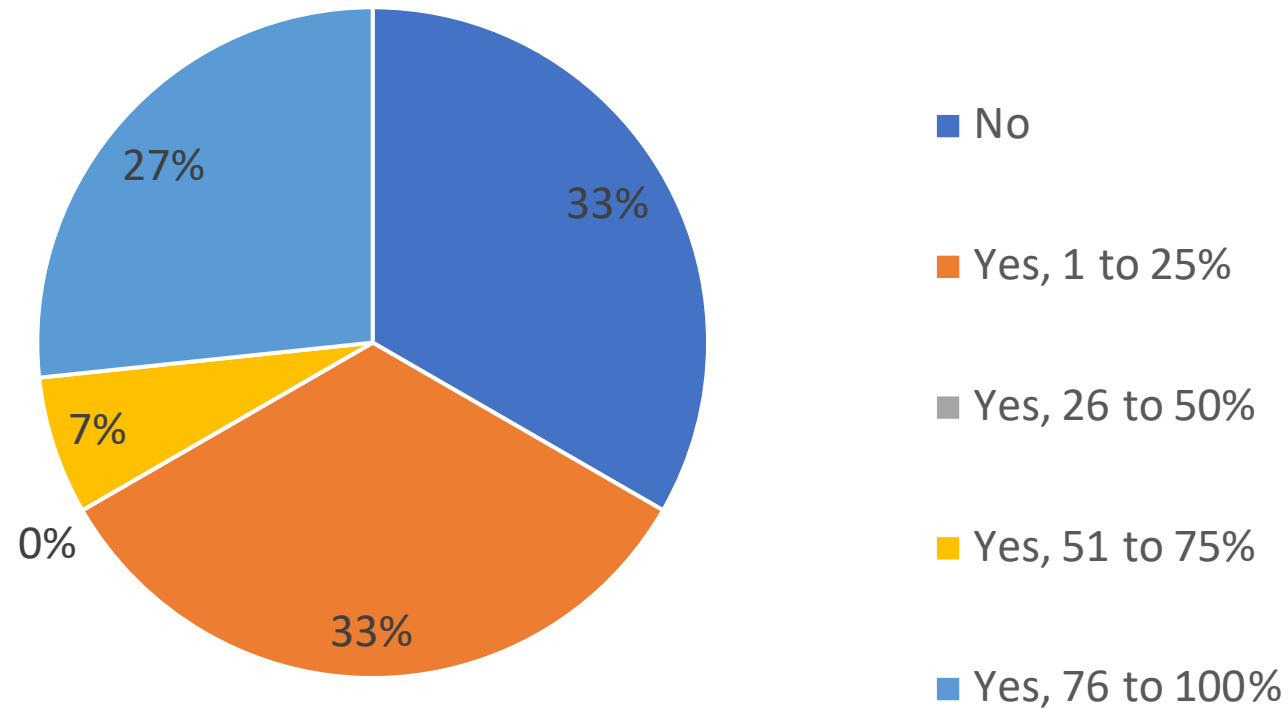
- *Tenebrio molitor*
- *Zophobas morio*
- *Acheta domesticus*
- *Gryllodes sigillatus*

Insect production volume (n = 15)



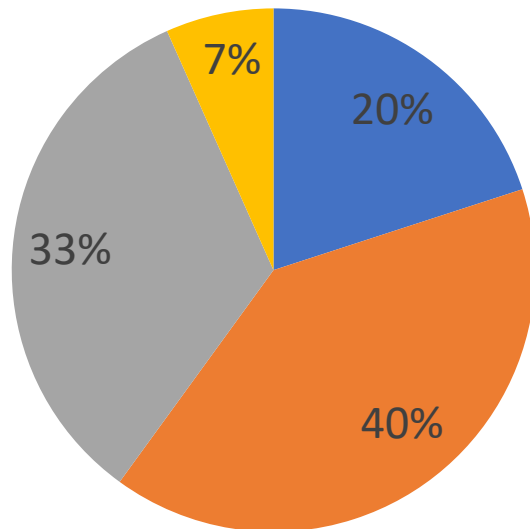
Is your company operating in a context of circular economy ?

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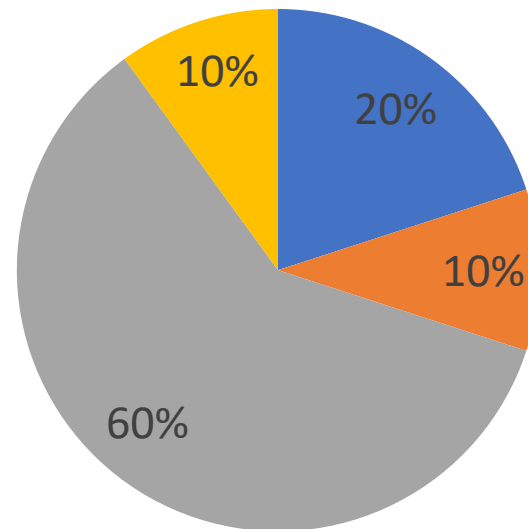


Has the Covid-19 pandemic health emergency impacted your business operations?

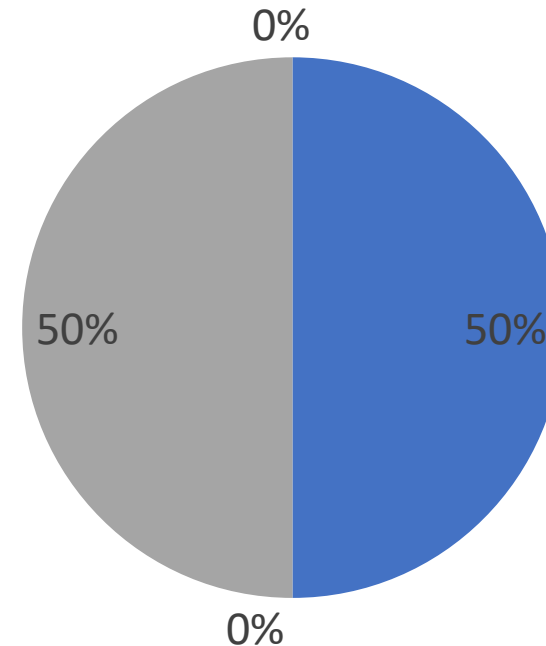
Insect producer (n = 15)



Insect processor (n = 10)



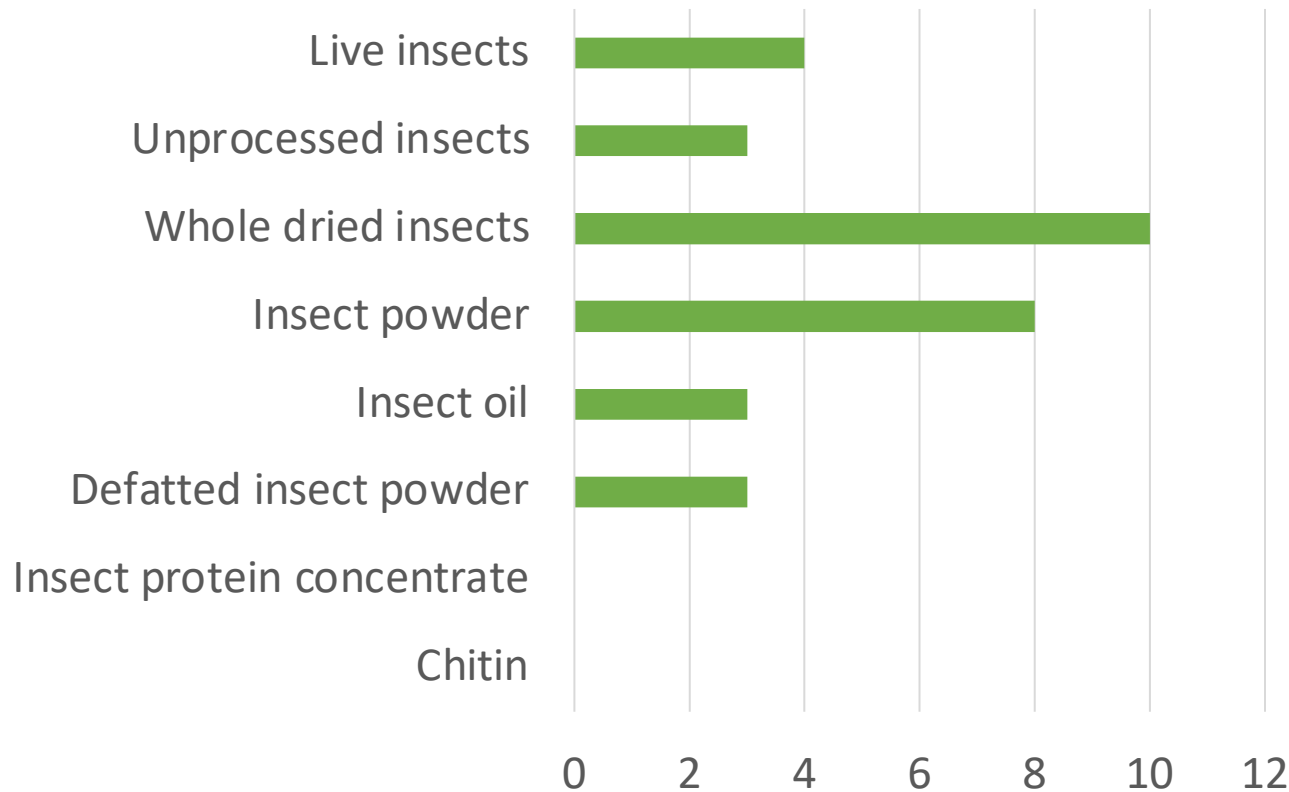
R&D (n = 6)



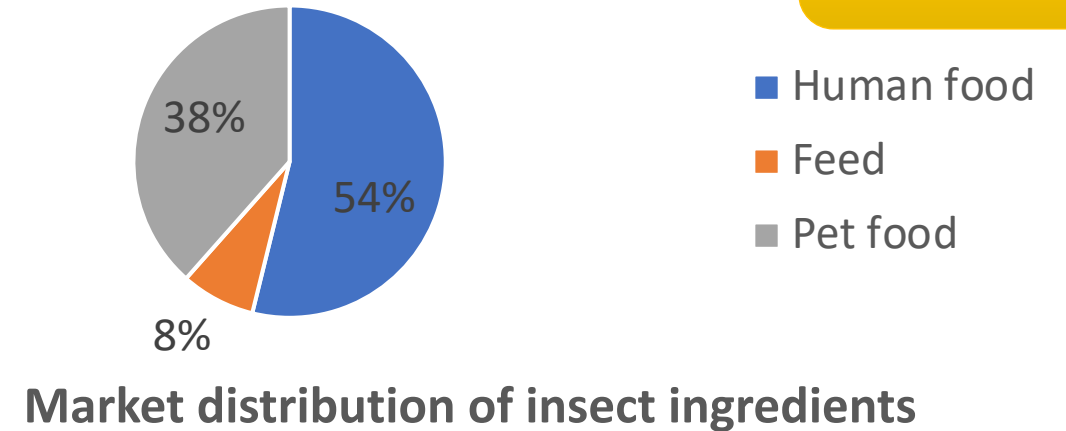
- No impact
- Yes, opportunity to start my business
- Yes, activities decreased
- Yes, activities increased

Insect ingredients in Quebec in 2022 (n = 13)

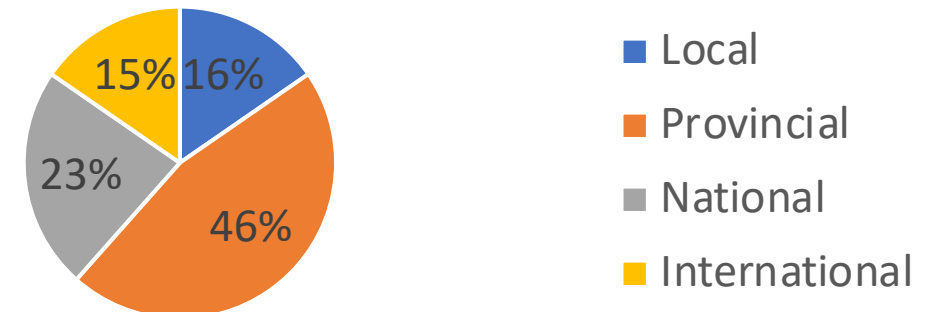
Insect ingredients commercialized in Quebec



Market of insects ingredients

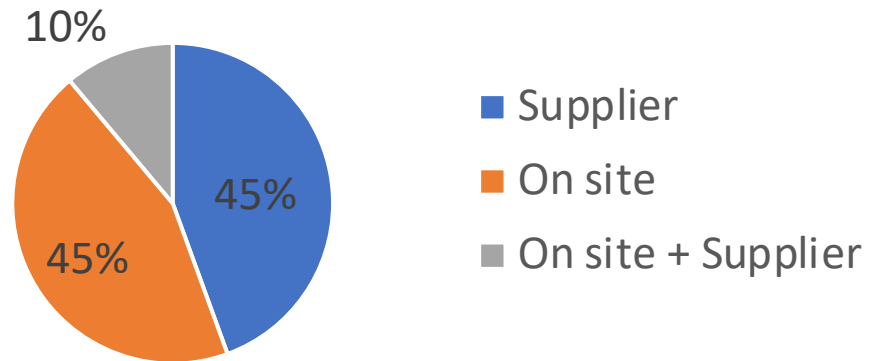


Market distribution of insect ingredients



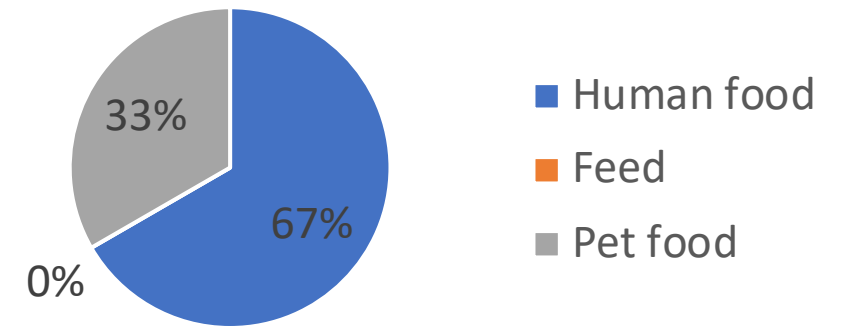
Insect products in Quebec (secondary processing, n = 9)

Who produce the insect ingredients

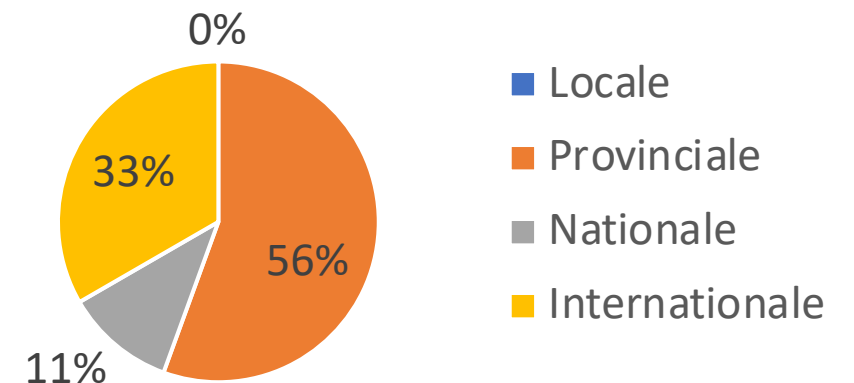


- Protein bar (3)
- Seasoned whole insects (3)
- Pet food (3)
- Pet treat (3)
- Burger (2)
- Bread (1)
- Pasta (1)
- Chips (1)
- Salad croutons (1)

Market type of insect products



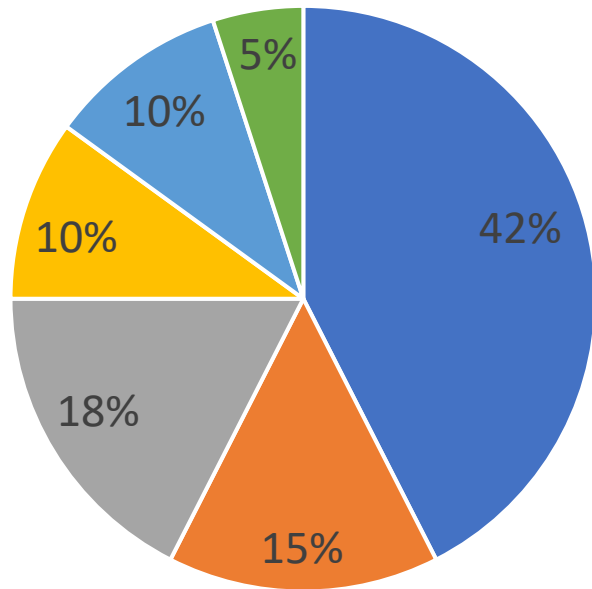
Market distribution of insect products



Why import insect ingredients (n = 4)?

- Ingredient needed not available in Quebec (n = 3)
- Insect production in Quebec too unstable to develop product (n = 1)
- Long relationship with supplier outside of Quebec (n = 1)
- Ingredients in Quebec are too expensive (n = 1)
- Ingredients in Quebec do not have the requested certification for the market (n = 1)

In your opinion, which economic model should be promoted in the edible insect industry ? (n = 40)



- Diversity of economic model
- Specialisation of companies
- Large scale production and processing on site
- Small productions and centralised processing
- Small productions and local processing
- I don't know

Perspectives

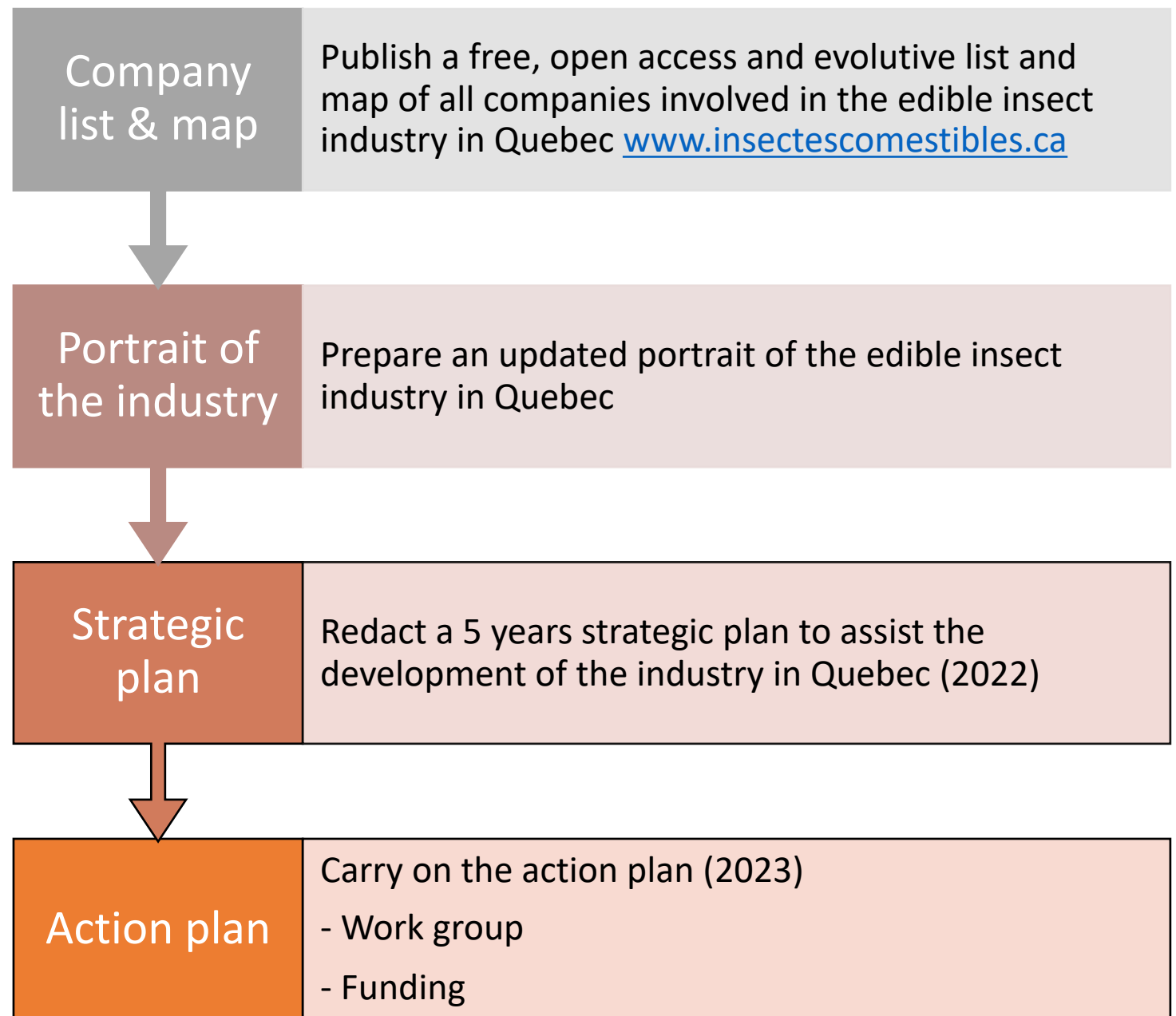


TABLE FILIÈRE DES INSECTES COMESTIBLES

Québec

Bottin de la filière

www.insectescomestibles.ca



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L'Accord Canada-Québec de mise en oeuvre du Partenariat canadien pour l'agriculture représente un financement du gouvernement fédéral et du gouvernement du Québec totalisant 293 millions de dollars répartis sur une période de 5 ans, soit de 2018 à 2023. Cet accord appuie des initiatives stratégiques qui aideront les secteurs à croître, à innover et à prospérer.



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