

# Survey of Beekeepers

This survey is done by an interdisciplinary group of students from the University of Poitiers to obtain information on the threat of the Asian hornet in France and around the world. Our project (To Bee ... Hornet to Bee) is part of the international iGEM synthetic biology competition ([igem.org](http://igem.org)). To do so, we chose to fight against the Asian hornet, with a molecule biologically synthesized that will specifically attract the hornet into a trap.

We only have a few months to complete this work. Your help and your answers will be important to guide us and to know the needs of users. If you have some advice to share with us, please tell us.

If we manage to make an effective and low-cost trap, a citizen awareness campaign will be conducted to capture as many Asian hornets as possible.

We thank you for your help and will be happy to answer your questions. [igempoitiers@gmail.com](mailto:igempoitiers@gmail.com)

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\*Obligatoire

## Project iGEM competition of the University of Poitiers "To Bee... Hornet to Bee"



### 1. Sex \*

*Une seule réponse possible.*

- Male  
 Female

### 2. Age \*

*Une seule réponse possible.*

- Less than 20 years  
 20-30 years  
 30-40 years  
 40-50 years  
 50-60 years  
 60-70 years  
 More than 70years

3. Location (specify department) \*

*Une seule réponse possible.*

- Ain
- Aisne
- Allier
- Alpes de Haute Provence
- Hautes-Alpes
- Alpes Maritimes
- Ardèche
- Ardennes
- Ariège
- Aube
- Aude
- Aveyron
- Bouche-du-Rhône
- Calvados
- Cantal
- Charente
- Charente-Maritime
- Cher
- Corrèze
- Corse du Sud
- Côte d'Or
- Côtes d'Armor
- Creuse
- Dordogne
- Doubs
- Drôme
- Eure
- Eure et Loir
- Finistère
- Gard
- Haute-Garonne
- Gers
- Gironde
- Hérault
- Ille et Vilaine
- Indre
- Indre et Loire
- Isère
- Jura
- Landes
- Loir et Cher
- Loire
- Haute Loire
- Loire-Atlantique

- Loiret
- Lot
- Lot et Garonne
- Lozère
- Maine et Loire
- Manche
- Marne
- Haute-Marne
- Mayenne
- Meurthe et Moselle
- Meuse
- Morbihan
- Moselle
- Nièvre
- Nord
- Oise
- Orne
- Pas de Calais
- Puy de Dôme
- Pyrénées Atlantiques
- Hautes Pyrénées
- Pyrénées Orientales
- Bas Rhin
- Haut Rhin
- Rhône
- Haute Saône
- Saône et Loire
- Sarthe
- Savoie
- Haute Savoie
- Paris
- Seine Maritime
- Seine et Marne
- Yvelines
- Deux Sèvres
- Somme
- Tarn
- Tarn et Garonne
- Var
- Vaucluse
- Vendée
- Vienne
- Haute Vienne
- Vosges
- Yonne

- Territoire de Belfort
- Essonne
- Hauts de Seine
- Seine Saint Denis
- Val de Marne
- Val d'Oise
- Haute Corse
- Guadeloupe
- Martinique
- Guyane
- La Réunion
- Mayotte

**4. Number of years of experience in beekeeping \***

*Une seule réponse possible.*

- Less than 1 year
- 1 to 5 years
- 5 to 10 years
- more than 10 years

**5. Number of hives \***

*Une seule réponse possible.*

- 1 to 5
- 5 to 10
- 10 to 20
- 20 to 30
- Autre : \_\_\_\_\_

**6. Is the Asian hornet a threat to your hives? \***

*Une seule réponse possible.*

- Yes
- No

**7. Did you put any protection or preventive traps for your hives against the Asian hornet \***

*Une seule réponse possible.*

- Yes
- No

**8. If so, how much per hive?**

*Une seule réponse possible.*

- 1
- 2
- 3
- 4
- 5
- Autre : \_\_\_\_\_

**9. If so, what kind of trap did you use?**

*Plusieurs réponses possibles.*

- Artisanal (plastic bottle with syrup, beer...)
- Commercial
- Autre : \_\_\_\_\_

**10. Are they efficient**

*Une seule réponse possible.*

- Yes
- No

**11. What other insects did you notice in your traps ?**

*Plusieurs réponses possibles.*

- Flies
- Bees
- Wasps
- European hornet
- Bumblebee
- Ants
- No other species

**12. If you didn't used traps, what is the reason?**

*Une seule réponse possible.*

- Price
- ineffective
- Lack of time
- Other fighting method
- Autre : \_\_\_\_\_

**13. If you use another method of fight, what is it?**

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**14. Would you be willing to help us design a trap? \***

*Une seule réponse possible.*

- Yes
- No
- Autre : \_\_\_\_\_

15. **Would you be ok to use traps that we will provide or sell? \***

*Plusieurs réponses possibles.*

- Yes
- No
- Autre : \_\_\_\_\_

16. **What price would you pay for an effective and specific Asian hornet trap?**

*Une seule réponse possible.*

- 10-15€
- 15-20€
- 20-30€
- 30-40€
- 40-50€
- 50-60€
- Autre : \_\_\_\_\_

17. **Would you accept to host us to do a video interview? \***

*Une seule réponse possible.*

- Yes
- No

18. **If yes, please share with us your email or contact information**

\_\_\_\_\_

19. **Do you have any advice on how to use traps, how to design them, how to improve the trap with respect to Asian hornet behavior, etc.?**

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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Thank you for answering

Would you like to contact us or have more information about our project?

- Email: [igempoitiers@gmail.com](mailto:igempoitiers@gmail.com)

- Website: <https://to-bee-hornet-to-bee.fr/index.html>

- Facebook: <https://www.facebook.com/igempoitiers2019/>

- Twitter: <https://twitter.com/igempoitiers19>

- LinkedIn: <https://www.linkedin.com/company/igem-poitiers-2019/>

- Youtube: [https://www.youtube.com/channel/UCh10qgSKKPtEU07\\_MPNkZew?view\\_as=subscriber&fbclid=IwAR3K\\_30GpEcYasNR\\_V6OUDMvM\\_NwZc01IMHpAC9-FcqGBj2ZaNNx2KrOr7w](https://www.youtube.com/channel/UCh10qgSKKPtEU07_MPNkZew?view_as=subscriber&fbclid=IwAR3K_30GpEcYasNR_V6OUDMvM_NwZc01IMHpAC9-FcqGBj2ZaNNx2KrOr7w)

- Instagram: [https://l.facebook.com/l.php?u=https%3A%2F%2Fwww.instagram.com%2Figempoitiers2019%2F%3Fhl%3Dfr%26fbclid%3DIwAR0WsTGluBDqg-0lxs7gUjQ1ZMIBEtA86zMhp7wQsDs79Kqsjyf-aj0h2al&h=AT0jV4GN95lvDI7V\\_NMM5wO1h7yP9XSO8KfpamfK2W4biB9OBKVclSiSjXIK9myowgg4s3Jlu4mrDxhSgz85E2SpuVVRPynv1mlqd1\\_8wXV9k9XZtiEs4XJeLdmakohrRuDWejg](https://l.facebook.com/l.php?u=https%3A%2F%2Fwww.instagram.com%2Figempoitiers2019%2F%3Fhl%3Dfr%26fbclid%3DIwAR0WsTGluBDqg-0lxs7gUjQ1ZMIBEtA86zMhp7wQsDs79Kqsjyf-aj0h2al&h=AT0jV4GN95lvDI7V_NMM5wO1h7yP9XSO8KfpamfK2W4biB9OBKVclSiSjXIK9myowgg4s3Jlu4mrDxhSgz85E2SpuVVRPynv1mlqd1_8wXV9k9XZtiEs4XJeLdmakohrRuDWejg)

# You want to make our project possible? Come donate on our leetchi crowdfunding:

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Every participation counts, so do not hesitate to make donations, no matter how small. Each one contributes the amount he wants:

- All payments are secure.
- Each donation of more than 20 € will be rewarded with a signed photo of the team in Boston.
- The most important gift will be rewarded with small memories of our trip to Boston, chosen by us.

We count on you !

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Fourni par

