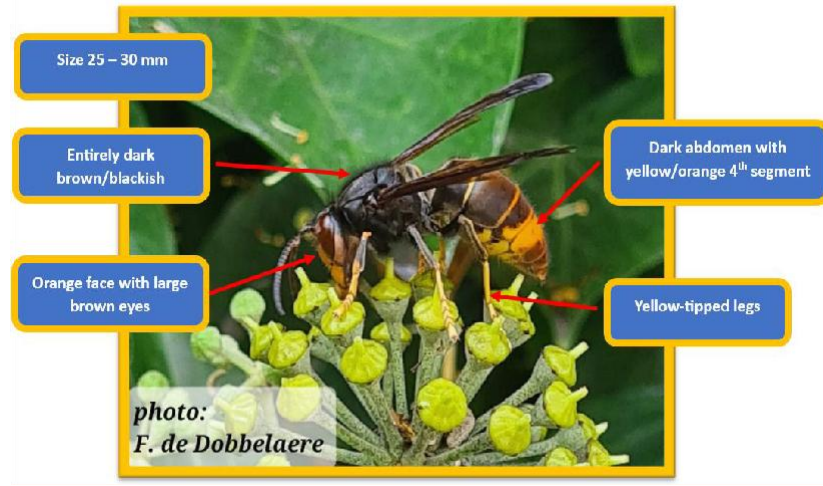


Asian Hornet trapping with home-made traps

Objective of this document.

To identify, catch, and report any sighting of the Asian Hornet to Biodiversity Ireland without delay.

What does the Asian Hornet look like?



Equipment Required

- Sealable storage container.
- Plastic queen excluder.
- 2 cones with the size of opening 8.5 to 9 mm (preferable yellow-coloured cones).
- Sharp knife, scissors and drill or *Dremel*.
- Adhesive strips or wire or glue gun.
- Sponge or small wick pot (e.g. 25 g jam jar) with cotton strip.
- Attractant ($\frac{1}{3}$ beer + $\frac{1}{3}$ white wine + $\frac{1}{3}$ sugar syrup or VespaCatch lure)

Method

1. Construction of the home-made trap

The construction of the trap is based on the principle that Asian hornets can pass through the opening of the cone (**8.5 to 9 mm**) and smaller insects can escape through the openings in the queen excluder pieces. Check regularly and release any other trapped insects.

The opening of the cone can be reduced to **7 mm** to capture Asian Hornet workers, but Asian Hornet queens cannot pass through 7 mm holes.



- Cut an opening of approximately 8 x 8 cm on each side of the storage container.
- Cut two pieces of approximately 8.5 x 8.5 cm from the queen excluder.
- Cut a round opening in each piece of the queen excluder. The size of the opening must match the size of the bottom of the cone.
- The size of the opening of the cone top should be 8.5 to 9 mm.
- Affix the bottom of the cone to the piece of queen excluder.
- Repeat step 5 for the other piece of queen excluder.
- Affix the queen excluder to the inside of the box, with the top of the cone facing inwards.
- Repeat step 7 for the other side of the storage container.

2. Preparation of the lure/bait.

Baits with alcohol content maintain their aroma for only a short period.

- a) Mix 100ml beer, 100ml white wine and 100ml sugar syrup together thoroughly, or
- b) Prepare a commercial bait mixture e.g. VespaCatch
- c) Drill a hole in the lid of the wick pot (max 4 mm).

- d) Pour the lure into the wick pot.
- e) Place the wick through the opening of the lid and let it soak in the lure liquid.
- f) Close the lid and place the wick pot in the home-made trap.
- g) Steps c to f can be replaced by soaking a large enough sponge in the lure.
- h) Close the home-made trap. If required, secure it with tape.

3. Placement of home-made traps.

- Place the traps in a location which is easily accessible.

4. How often should I check the trap?

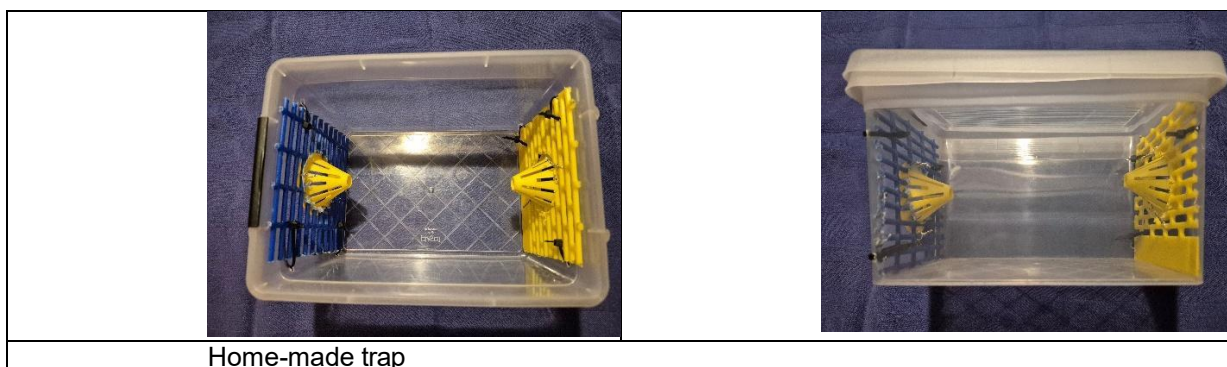
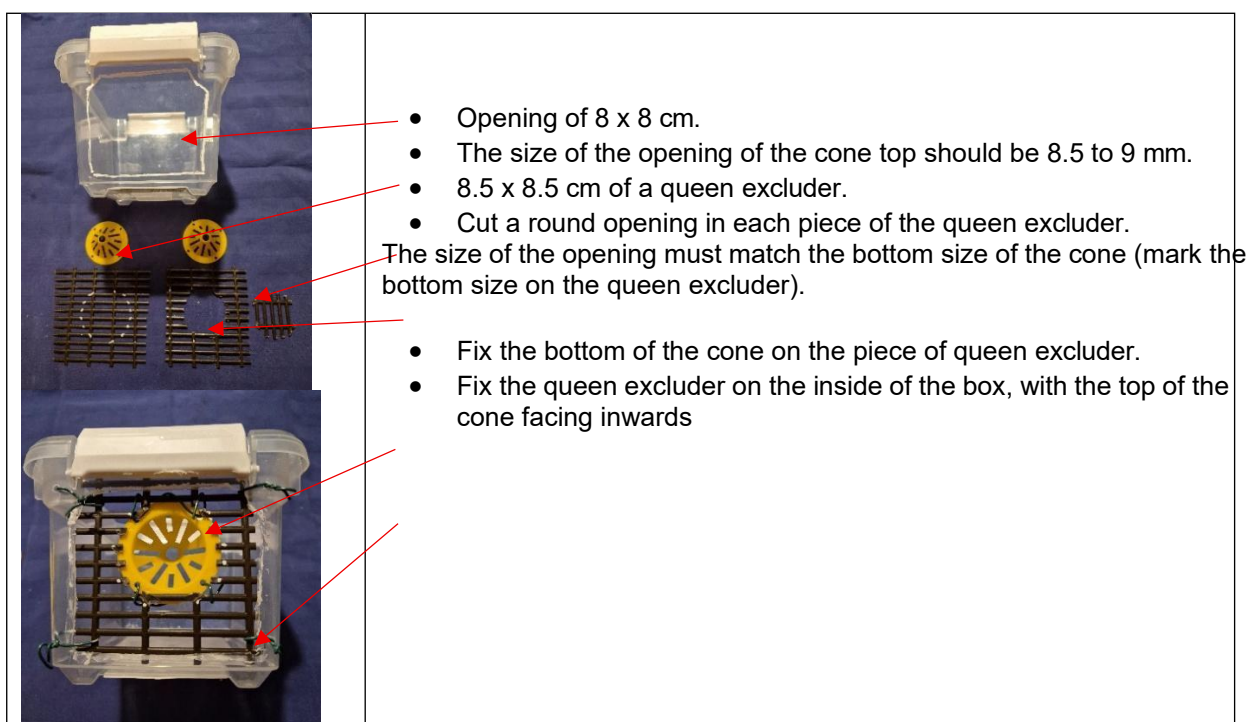
- It is important to check traps and to release any bycatch (other insects caught) regularly, preferably daily.

Report it.

Report any sightings to <https://records.biodiversityireland.ie/record/invasives>
Or scan the QR code.



Republic of Ireland



Home-made trap