

Wasp/Yellow Jacket & Asian Giant Hornet Traps

WHY PUT TRAPS?

To manage existing wasp problem by trapping/killing spring queens, and detection of Asian Giant Hornet (AGH) emerging queens (if any) in the spring. Workers may also be captured in the summer using meat bait and fall (emerging) queens may also be trapped/killed.

TYPES OF TRAPS

There are many different types of traps. Simple bottle traps (*U.K. Asian Hornet Monitoring Trap*) have been created that can accommodate both Asian Giant hornet and other wasps/hornets.

1 trap minimum will be provided to each Nanaimo Beekeeper who would like to participate in AGH monitoring for their location and reduce the wasp population in their area.



TYPE OF BAIT – *Do not overfill – Leave (1.5”) Space for AGH to get in and drown*

SWEET CARBOHYDRATES: SPRING (March – May) - fermented sugar (alcohol, vinegar) recipes

Recipe #1

- 2 Tablespoons of sugar or honey
- 350 ml of beer

Recipe #2

- 200ml of water
- 3 Tablespoons of sugar or honey
- 150 ml of vinegar

PROTEIN in the **SUMMER AND FALL (June-November)**

- Mashed raw fish, or other meat diluted to 25% of solutions (as above)

HOW MANY

Minimum one trap for every unique apiary location.

WHERE

At hive site, off the ground (3 meters high). Not necessarily right at the hive as this may attract wasps to the hives.

In full sun.

On a tree. If available put trap up on an oak tree (e.g. Garry Oak), elms, pussy willow or other sap producing trees in the Spring.

WHEN

Around or above 10-12°Celsius or 50-54° Fahrenheit.

HOW OFTEN TO CHECK THE TRAPS

Every week to empty dead wasps or hornets.

RE-BAIT FREQUENCY

Every 2 weeks or more often, especially when the traps fill with wasps. For more information:

[https://cms.agr.wa.gov/WSDAKentico/Documents/PP/PestProgram/Vespa_mandarinia_NPRG_10Feb2020-\(002\).pdf](https://cms.agr.wa.gov/WSDAKentico/Documents/PP/PestProgram/Vespa_mandarinia_NPRG_10Feb2020-(002).pdf)

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Measurement
Ruler

YELLOW STRIPEY THING IDENTIFICATION



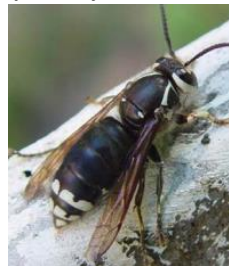
ACTUAL SIZE
Vespa Mandarinina
(Asian Giant Hornet)

ACTUAL SIZE
Vespula Alascensis
(Yellow Jacket) *Apis mellifera*
(Western Honey Bee)

Asian Giant Worker hornets are approximately 3.5 cm in length and queens can be up to 4-5 cm in length with a wingspan of 4-7cm.

Look-alike species: There are several large insects that are native to BC that and could be mistaken for Asian Giant Hornets. There is no need to report the ones below:

Bald face Hornet
(3/4-1")



Yellow Jacket
(0.5")



Horn Tail Wasp
(1.6")



Elm Sawfly
(0.1-0.8")



Queens will be larger

REPORTING ASIAN GIANT HORNET (AGH) INFORMATION

Report *Asian Giant Hornet* sightings to **Nanaimo Beekeepers' Club** ASAP by email [\[club email here\]](#)

Information to include in email:

- Date
- Picture
- Location: GPS Coordinates, address, or nearest street corner.
- Contact information: Name, phone number, email.

The club executive will notify all agencies that require reporting bee diseases or invasive species (e.g. Ministry of Agriculture, Ministry of Environment, BC Invasive Species Council, Chief veterinarian, Bee Inspectors, Canadian Food Inspection Agency etc....).

