



THE ASIAN HORNET
aka

THE YELLOW-LEGGED HORNET

Vespa velutina nigrathorax

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Education Officer

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Local Asian Hornet Coordinator

INTRODUCTION

Asian hornets are here to stay

It's not the end of the world

It's not the end of beekeeping

But we need to raise our game

First know your enemy learn how and where he lives



DESCRIPTION

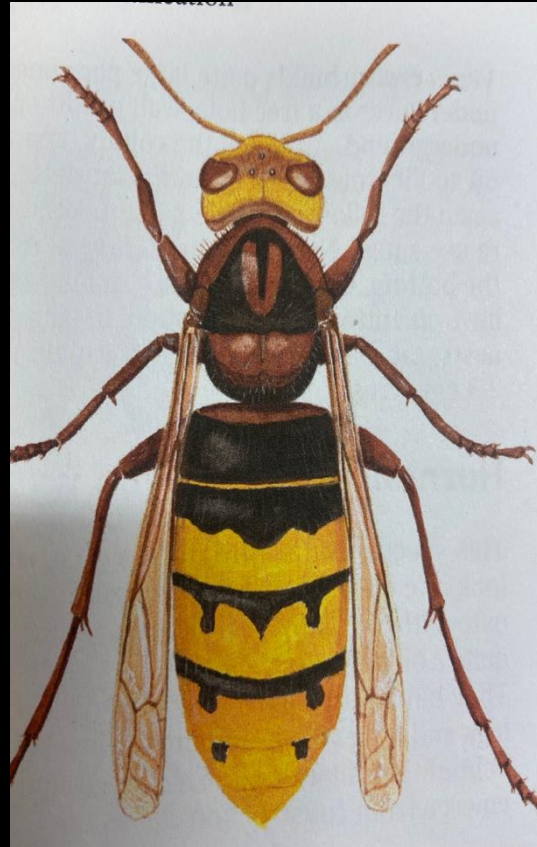
- 25 mm length
- Head black with orange face
- Thorax black & velvety
- Abdomen black with wide orange stripe on 4th segment
- Yellow tips to legs



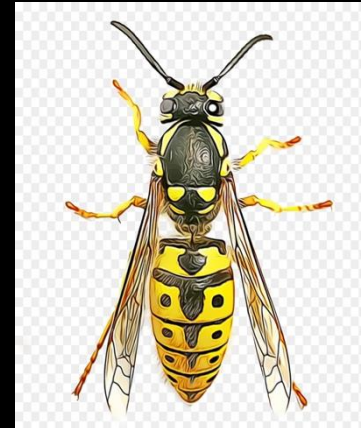
OTHER SPECIES



Asian Hornet



European Hornet



Wasp

LOOKALIKES



**Wood
wasp**

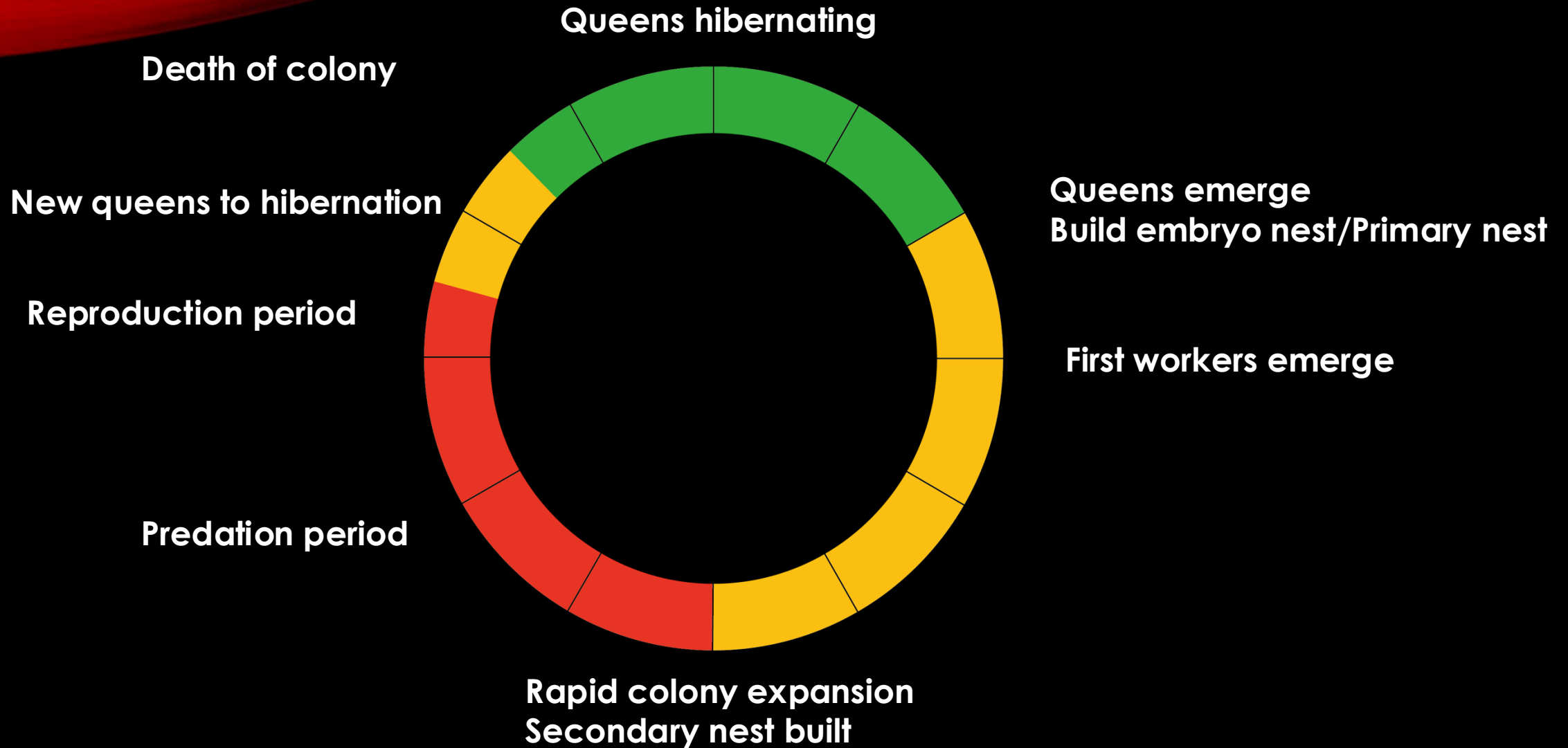


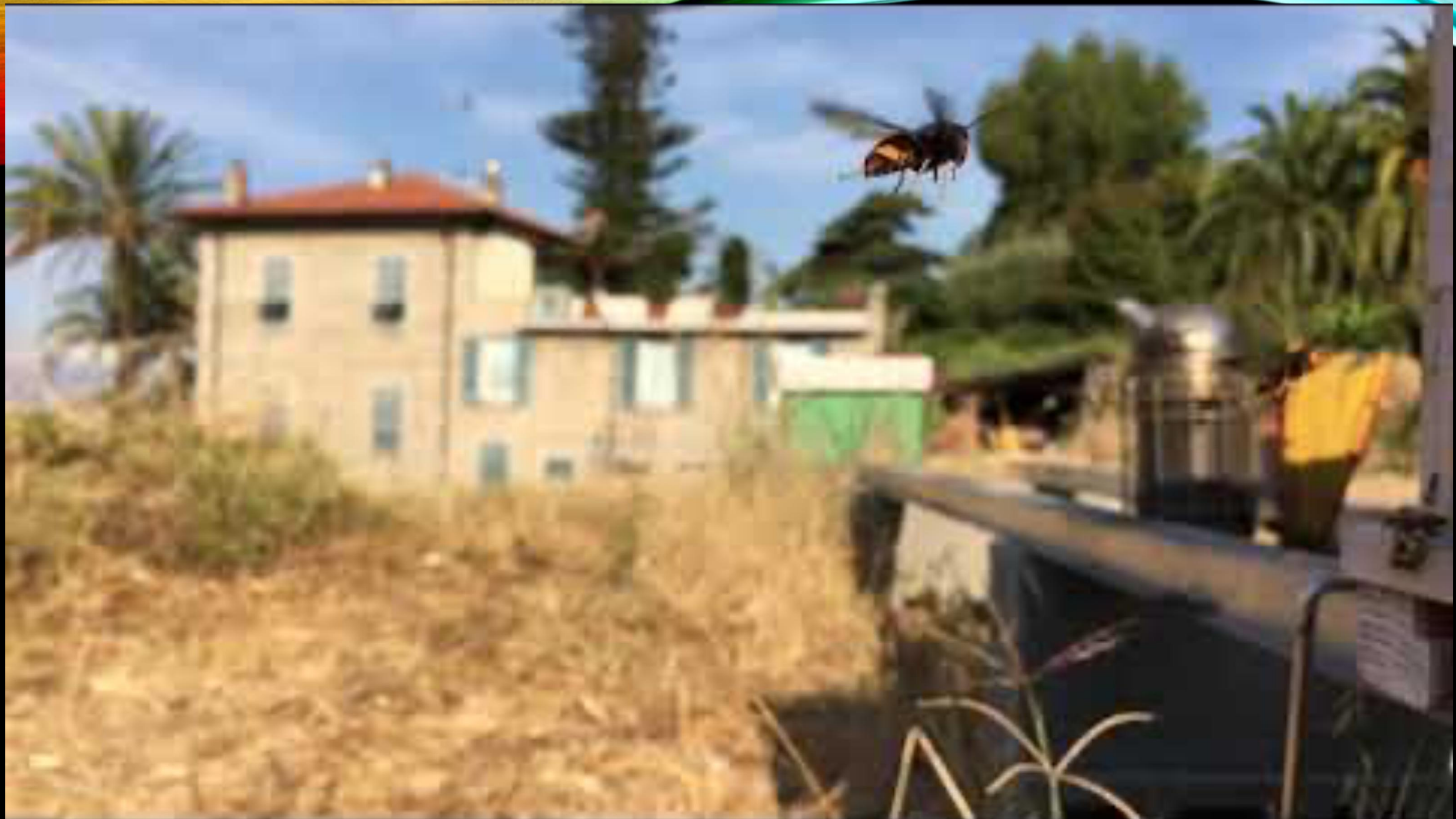
**Hornet Mimic
Hoverfly**



**Giant Asian Hornet
aka Murder Hornet**

ASIAN HORNET LIFE CYCLE





FORAGING PARALYSIS



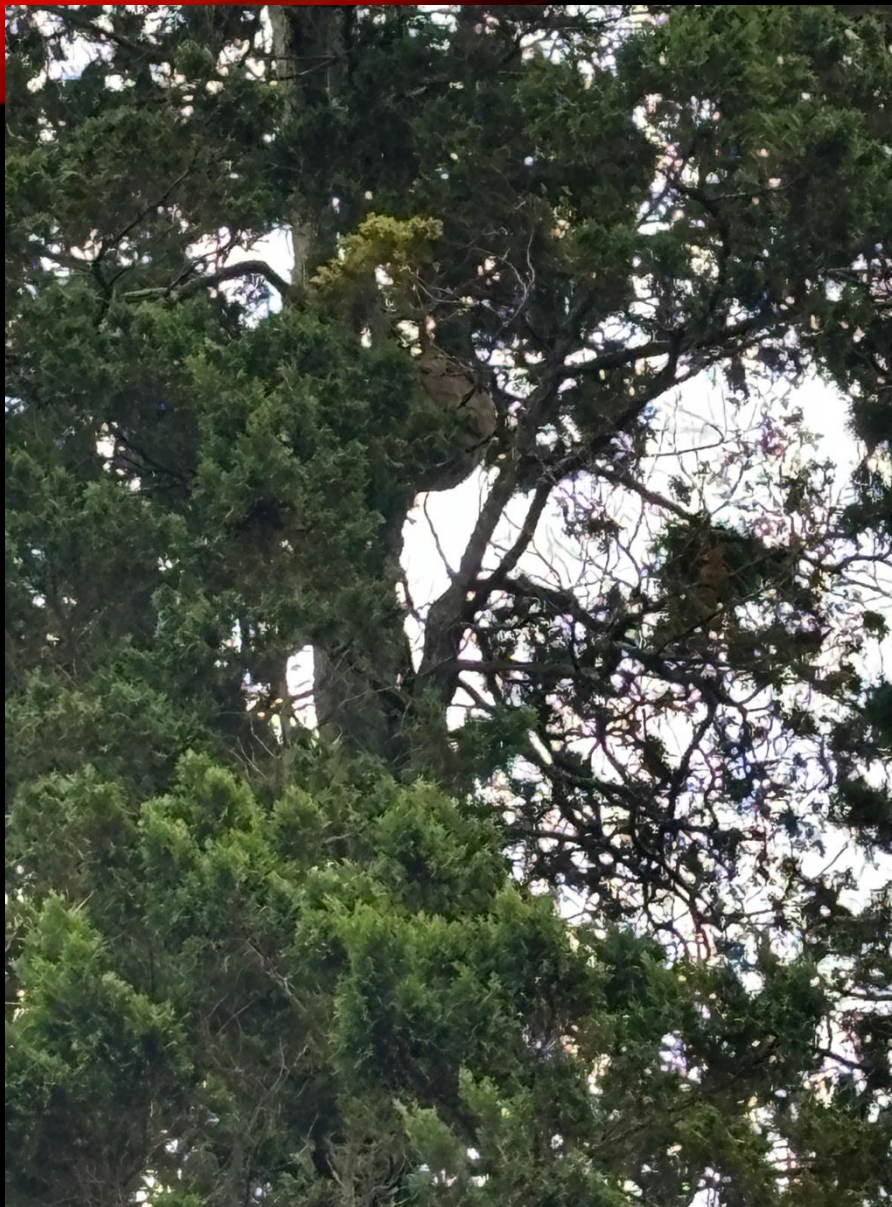
EMBRYO NEST



PRIMARY NEST



SECONDARY NEST





**“ A dead hornet is just a dead hornet, a live hornet
can tell you where it lives”**

**John de Cartaret
Jersey Asian Hornet Hunter**

**Finding where it lives means monitoring with bait
stations**



Monitoring

When

Feb to Nov

Where

Convenient place

Why

Presence of all castes

What with

Bait stations

BAIT STATIONS



TRAPPING

Effective when used at the right time and in the right place

Often misunderstood

Not a magic silver bullet

Only way to reduce population of hornets, is find and destroy the nests before the young queens leave in the autumn.



Spring queen trapping

Places where there were nests previous late autumn

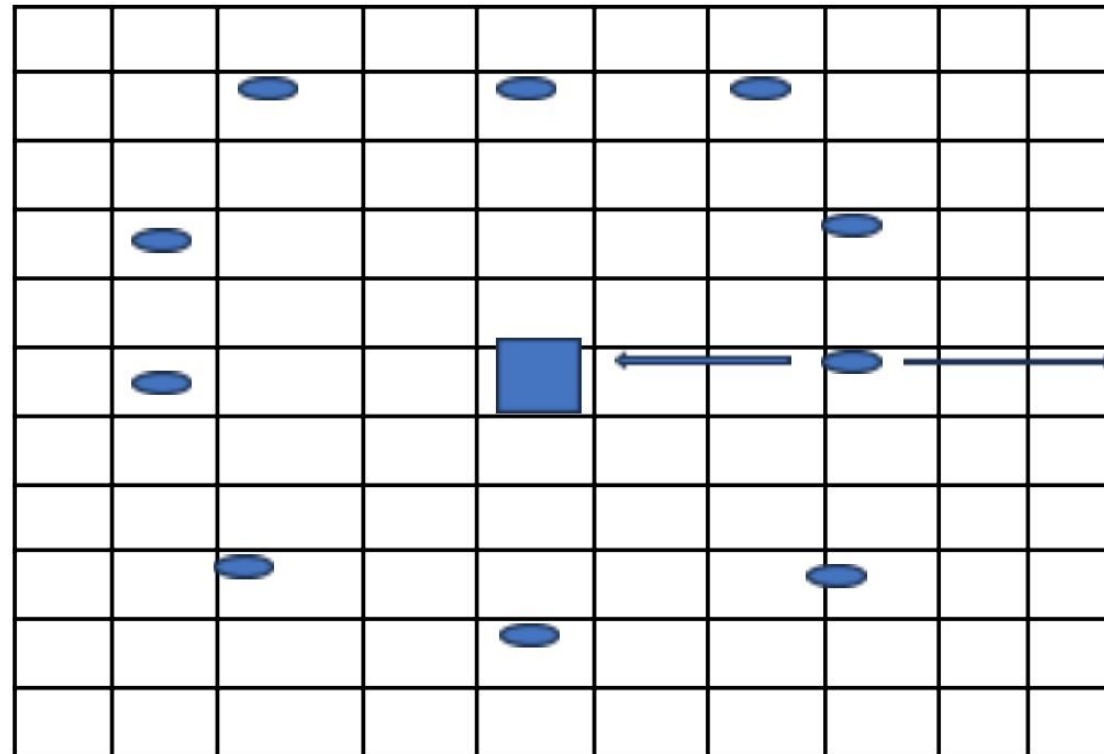
When Feb to May

Where Around site of old nest (or apiary)

Why Catch emerging foundress queens

What with Selective traps

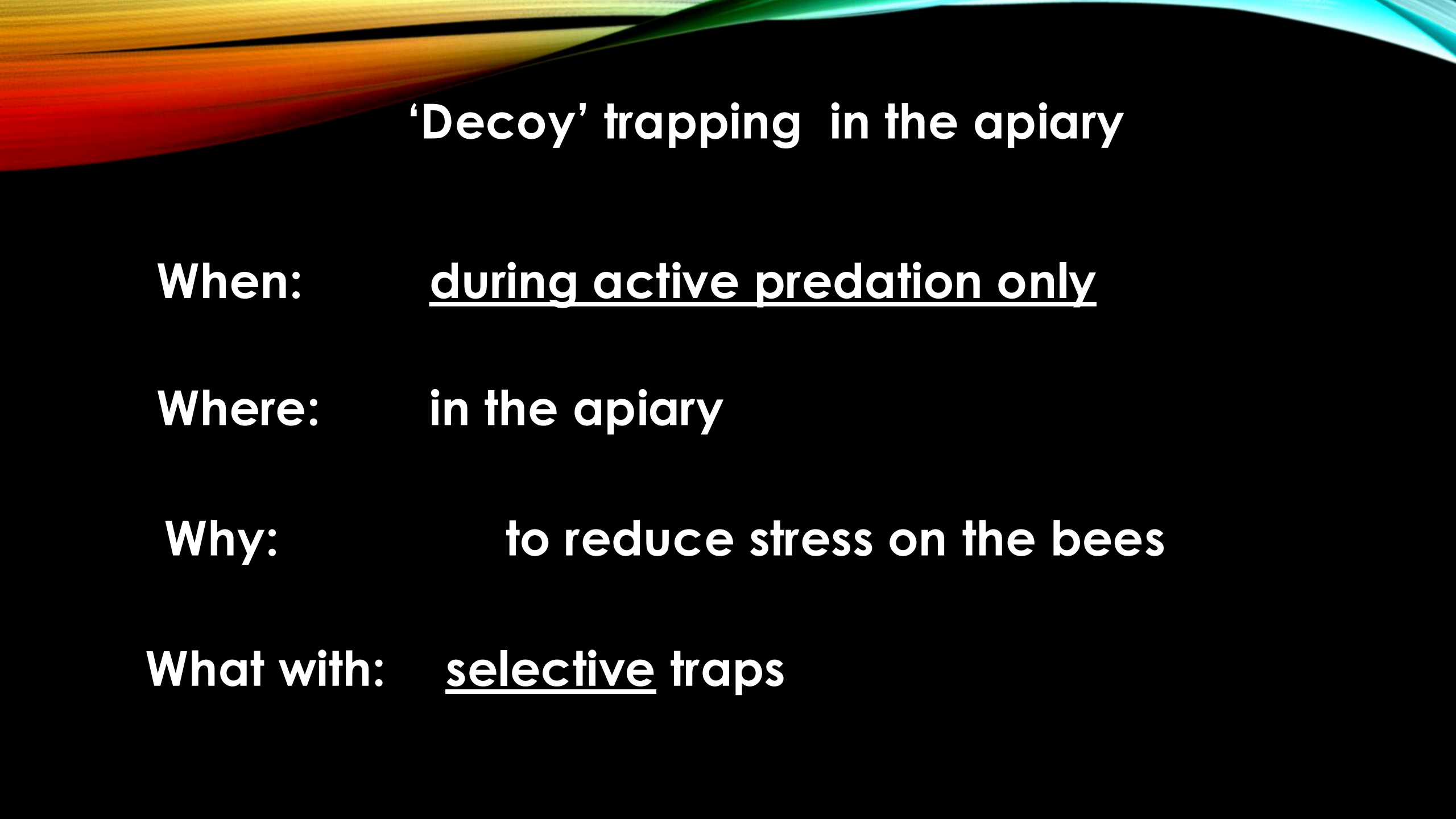
Spring queen trapping/apiary protection



■ Apiary/nest

● Traps

1km



'Decoy' trapping in the apiary

When: during active predation only

Where: in the apiary

Why: to reduce stress on the bees

What with: selective traps

Trap design

Top priority avoid bycatch

No trap 100% guaranteed

Very stressful for victims



Popular designs



Gard'Apis



Jabepode



NO-NO



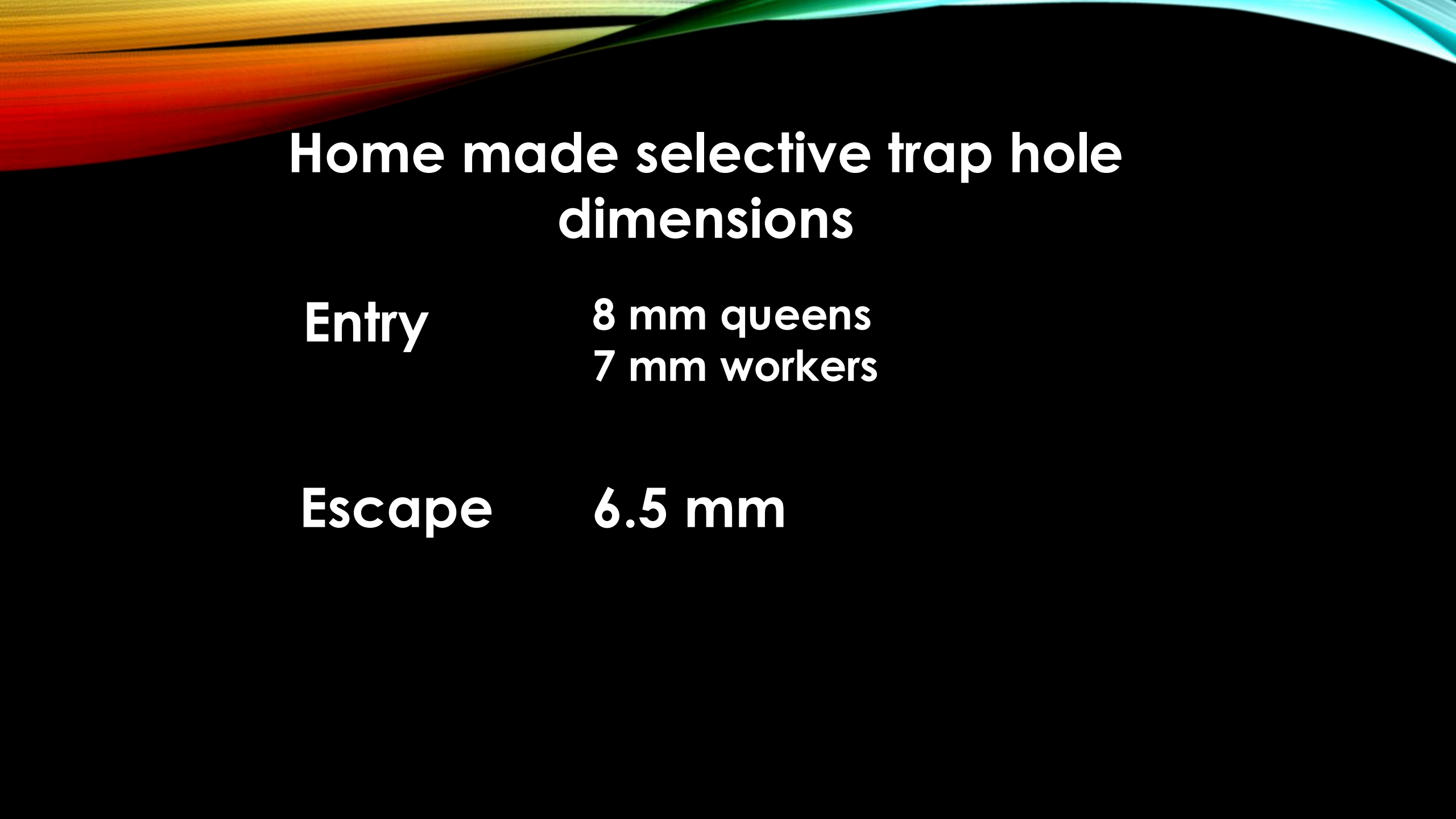


AVOID DROWNING

Sponge or rag in bottom of trap



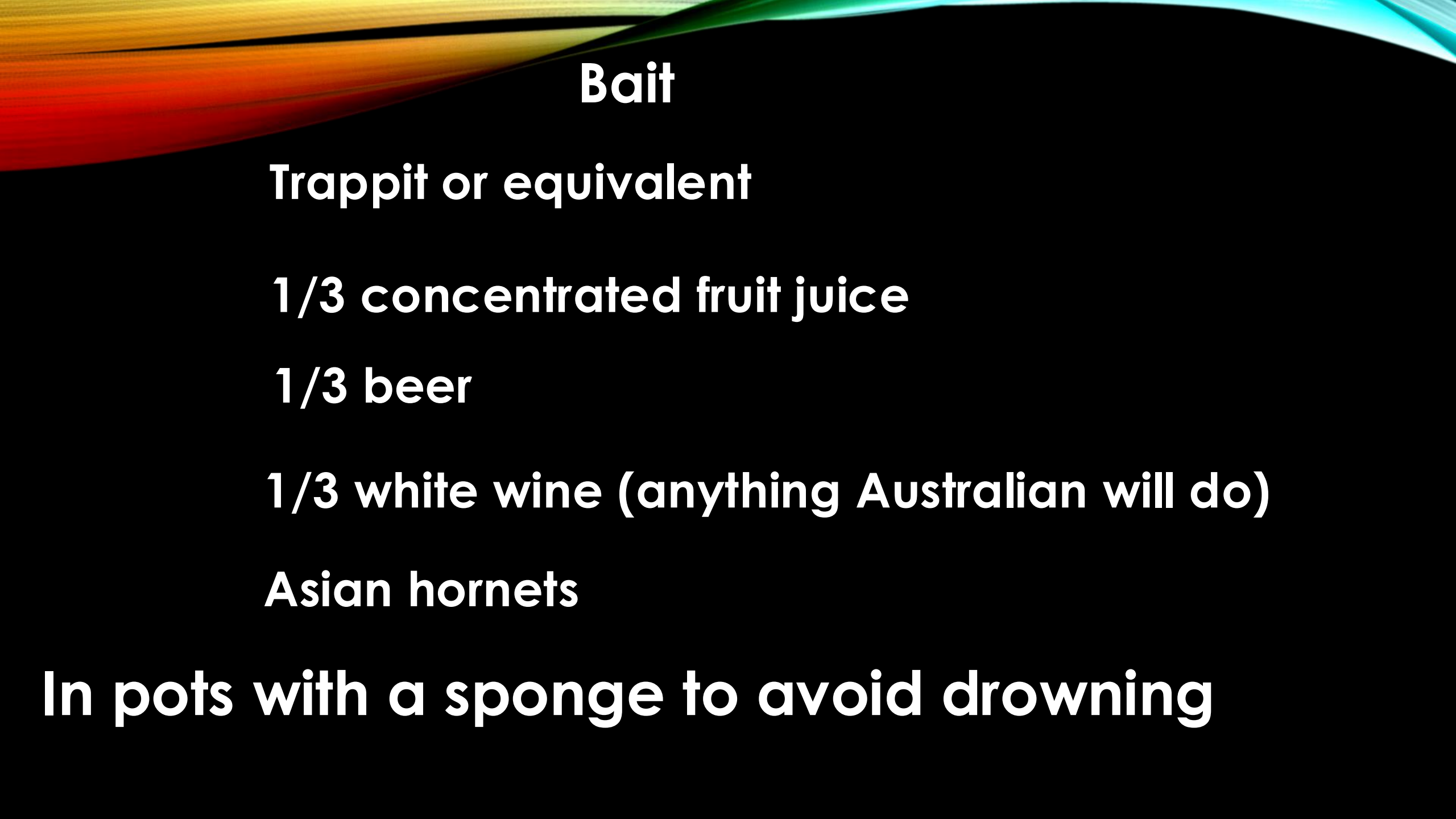
Notes



Home made selective trap hole dimensions

Entry	8 mm queens 7 mm workers
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Escape	6.5 mm
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Bait

Trappit or equivalent

1/3 concentrated fruit juice

1/3 beer

1/3 white wine (anything Australian will do)

Asian hornets

In pots with a sponge to avoid drowning

WHAT CAN WE ALL DO?

KNOW YOUR ENEMY

BE READY FOR HIM WHEN HE ARRIVES

DOWNLOAD THE FREE AH WATCH APP

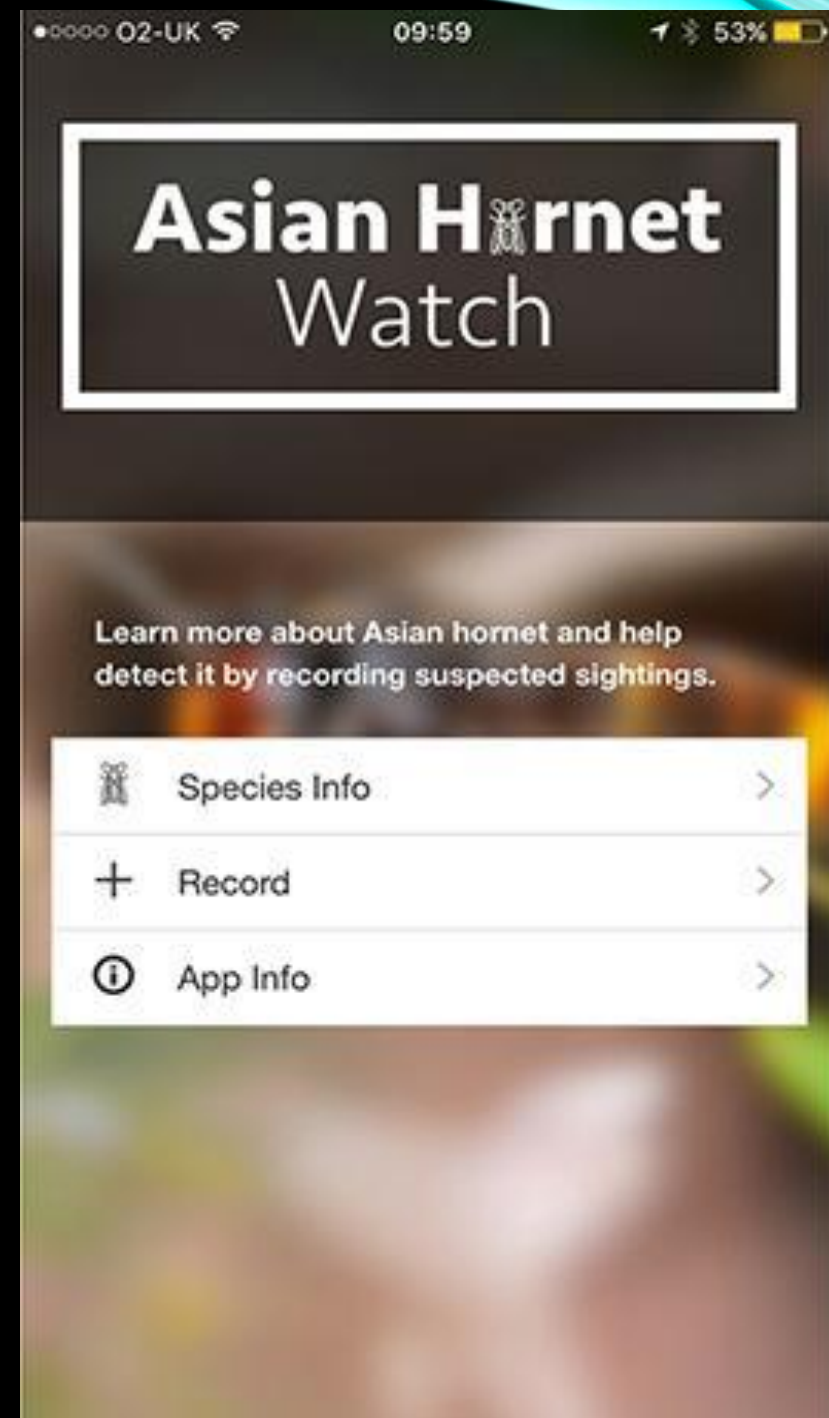
PUT OUT BAIT STATIONS

KEEP YOUR EYES SKINNED

SPREAD THE WORD

JOIN MARK IN YOUR LOCAL ASIAN HORNET TEAM

WHAT CAN YOU DO?



The image features a solid black background. At the top, there is a decorative border consisting of several overlapping, wavy bands of color. From left to right, these bands transition through shades of yellow, orange, red, and finally into a bright cyan or light blue on the far right. The waves create a sense of motion and depth.

ANY QUESTIONS ?