

### Consider a future where BMSB has arrived in New Zealand. All response efforts have failed to eradicate the bug. What might long-term management look like? These are some things to factor into your future planning.

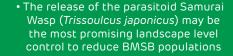


#### **TIME YOUR INTERVENTIONS:** TRAPPING AND MONITORING

- Monitor regularly with traps to know when and where control is needed
  - Start with orchard boundaries (where BMSB invade first)

on the worst affected blocks)"

#### **BIOLOGICAL CONTROL**



• Its release during the summer months (when BMSB lay their eggs) would be a world first and led in a response by the Ministry for Primary Industries (MPI)

#### **KEEP IT OUT: EXCLUSION NETTING**

• Netting (2-4mm mesh) significantly reduces pest pressure on-orchard as a first line of defense

• BMSB enters crops early, fully enclose orchards pre-pollination



- times of the year growers must adhere to Zespri Crop Protection Standards (CPS)
- Due to residue implications, chemical control control of BMSB

#### TRAP AND KILL

- Reduce BMSB populations by trapping them as they seek out overwintering spots
  - Overwintering traps work best in shelterbelts, gullies or near buildings









#### **BIOLOGICAL CONTROL**

- The release of the parasitoid Samurai Wasp (Trissoulcus japonicus) may be the most promising landscape level control to reduce BMSB populations
- Its release during the summer months (when BMSB lay their eggs) would be a world first and led in a response by the Ministry for Primary Industries (MPI)



Monitoring and Trapp...

Reproductive period/egg laying

Growth period

Exclusion Netting

JAN
Emerge from overwintering

OCT

and seek hosts

SPRING WINTER

VVIIVIER JUN

JUL

and aggregation

**APR** 

MAY

SEPT AUG

Overwintering

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# TRAP AND KILL • Reduce BMSB

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IF YOU EVER SEE ANYTHING YOU THINK MAY BE A BMSB, CATCH IT, SNAP IT, REPORT IT TO THE BIOSECURITY HOTLINE ON 0800 80 99 66 OR KVH ON 0800 665 825. ALWAYS REPORT THE UNUSUAL.