

# Tracking Movement of Black Vine Weevil

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# Tracking Methods

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- Florescent Marking Powder (Day Glo)
  - Self marking in field
  - Board traps for monitoring
- Harmonic Radar
  - Tags glued on
  - Transmitter/receiver

# Florescent Marking

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- Self marking
  - Tested in lab
  - Infested pots in ground: dust on surface
- Used in field
  - 1 color per row, 4 colors used
  - Board-traps
  - Night search: black light
- Captures: 24 May to 8 June



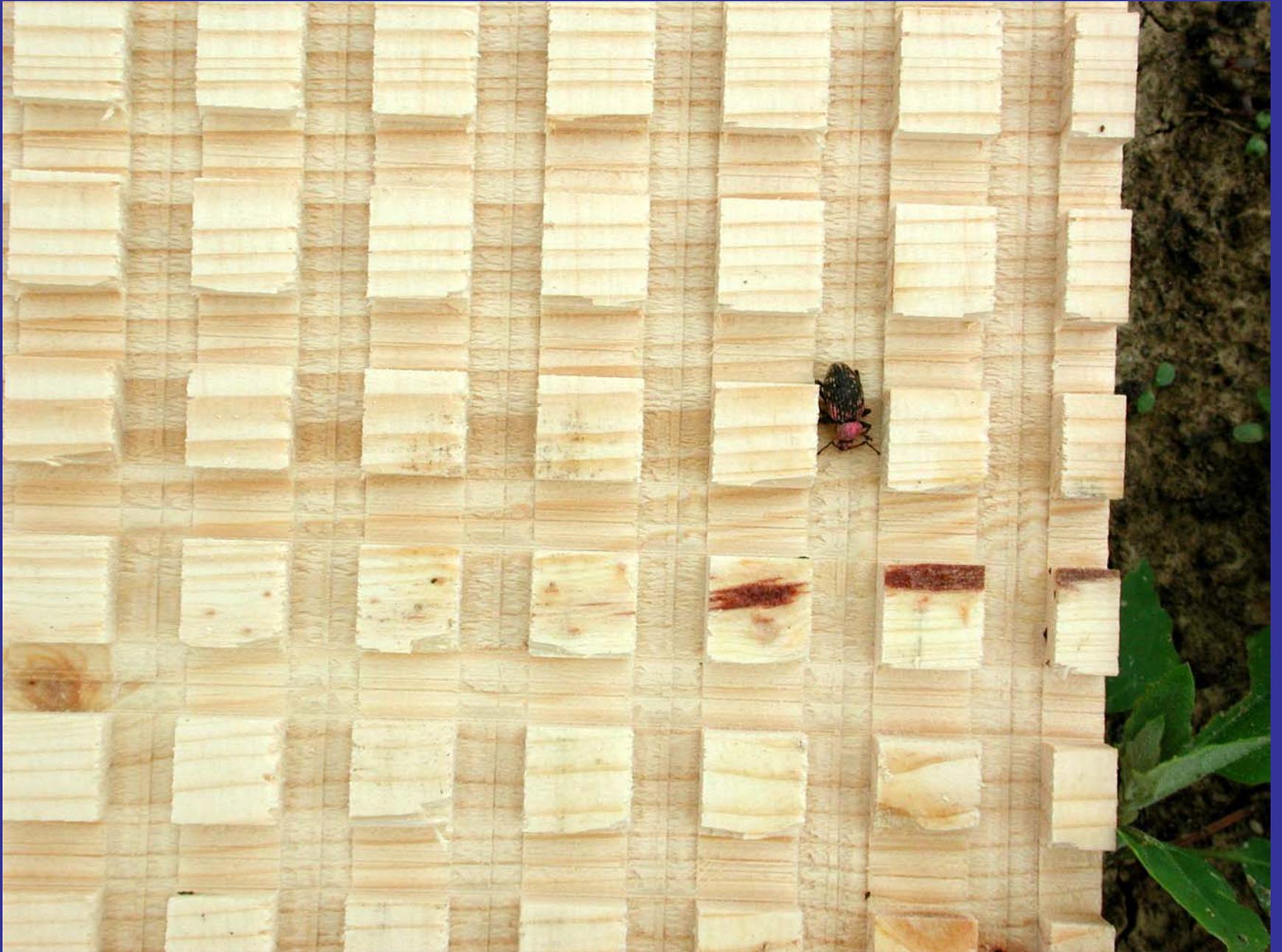










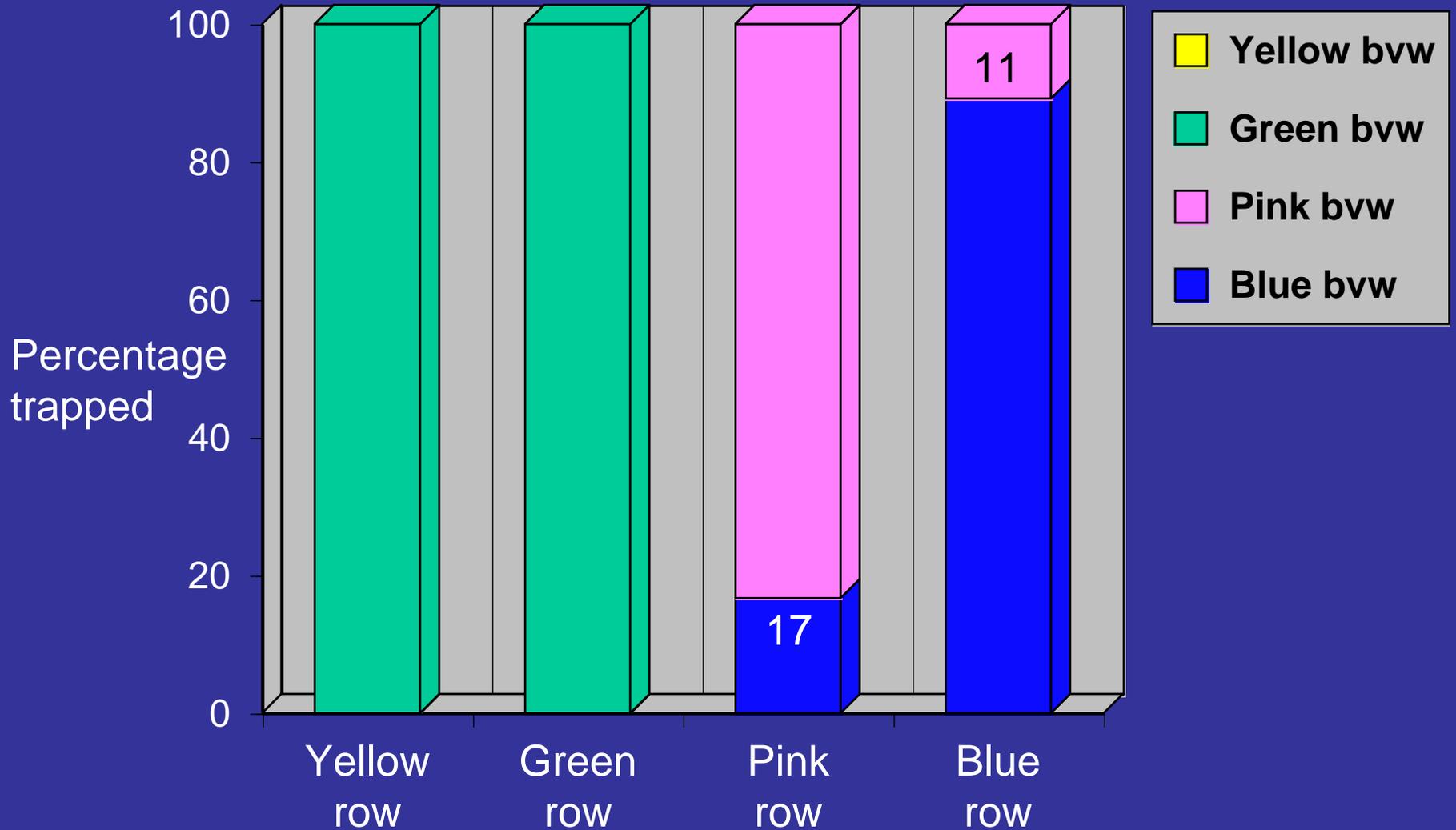








# Capture Locations of Marked BVW



# Radar Tracking

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- 10 tagged weevils released in field
- 9 recaptured
  - 1 detected 7.5 cm below ground
  - 4 found in the grass
- Tags too heavy
  - No long distance movement







