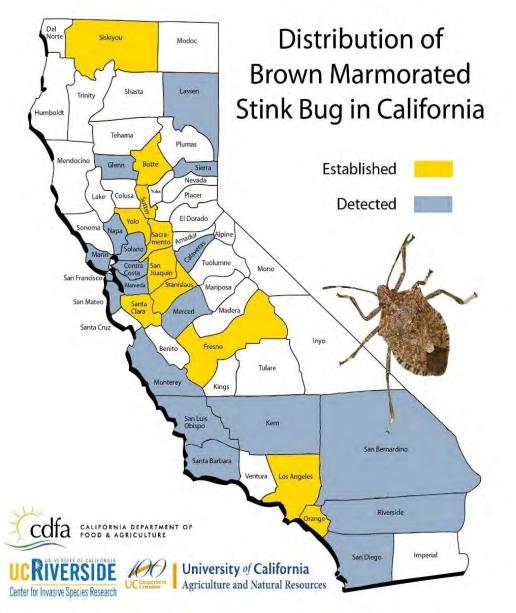
BMSB in California



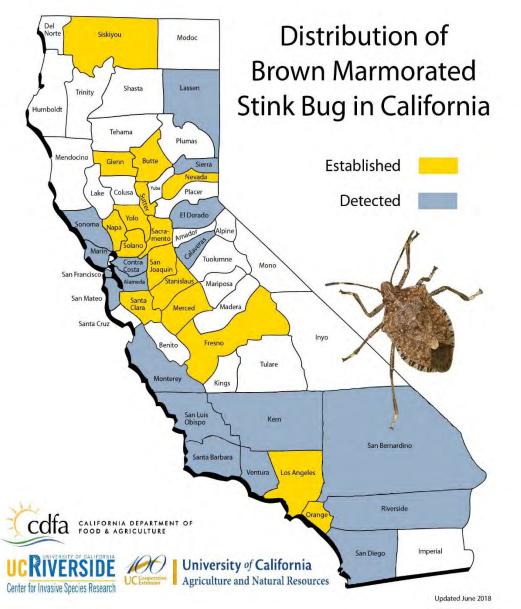
>\$50 billion

Top agricultural counties are in the Central Valley, other valuable crops throughout the state

<u>Almonds</u> (\$5.8 B) <u>Grapes</u> (\$5.2 B) <u>Walnuts</u> (\$1.8 B) <u>Pistachios</u> (\$1.6 B) <u>Oranges</u> (\$950 M) <u>Peaches</u> (\$356 M) <u>Kiwifruit (\$32 M)</u>

2017 summary (UCR/CDFA)

BMSB in California



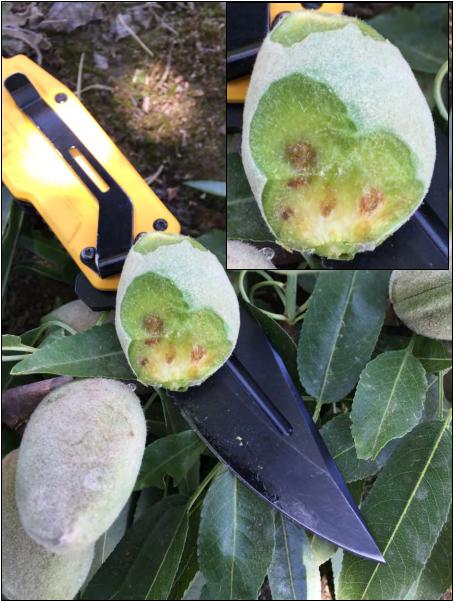
>\$50 billion

Top agricultural counties are in the Central Valley, other valuable crops throughout the state

<u>Almonds</u> (\$5.8 B) <u>Grapes</u> (\$5.2 B) <u>Walnuts</u> (\$1.8 B) <u>Pistachios</u> (\$1.6 B) <u>Oranges</u> (\$950 M) <u>Peaches</u> (\$356 M) <u>Kiwifruit (\$32 M)</u>

2018-2019 summary (UCR/CDFA)

BMSB in California – Almonds



Jhalendra Rijal, Joanna Fisher, Frank Zalom

BSMB damage to almonds





BMSB in California – Pistachios





Judith Stahl, Kent Daane BSMB damage to pistachio



Mark Hoddle, Ricky Lara, Charles Pickett – Natural Levels of Parasitism in California

The egg parasitoid

The egg mass

Lara and Hoddle