

Wild Host Plants of BMSB in the Western U.S.

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Oregon



Dogwood (*Cornus*)



Tree of Heaven (*Ailanthus*)



English Holly (*Ilex aquifolium*)



Mountain Ash (*Sorbus*)



Big Leaf Maple (*Acer macrophyllum*)



Catalpa (*Catalpa speciosa*)

Distribution:
Ilex aquifolium L.



Horris / All Titles / Madroño / Jan 2010 / pg(s) 1-10

Madroño

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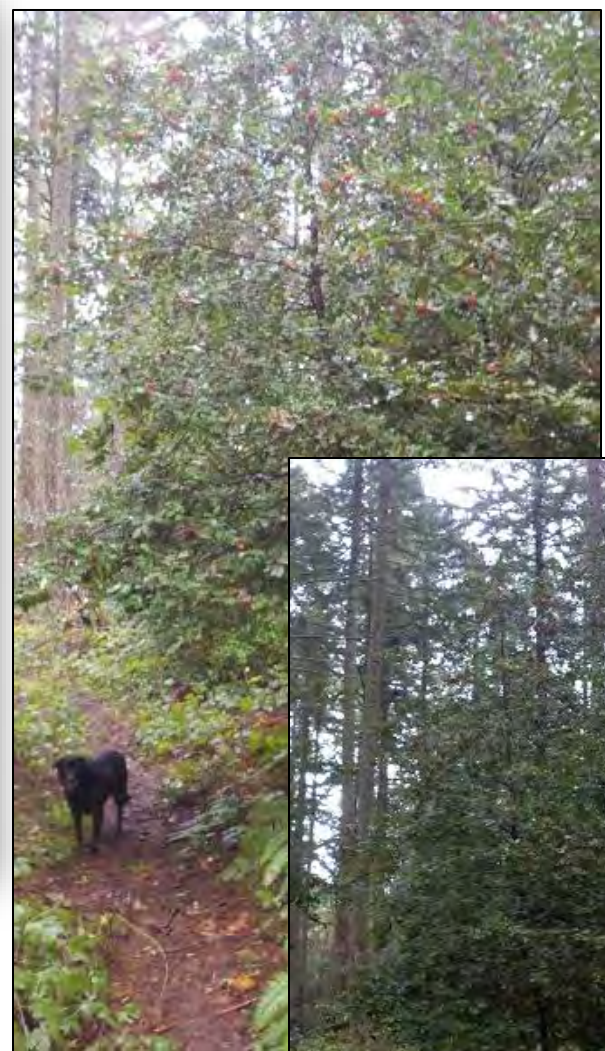
Madroño 57(1):1-10. 2010

doi: <http://dx.doi.org/10.3120/0024-9637-57.1.1>

Invasive Hollies (*Ilex*, Aquifoliaceae) and Their Dispersers in the Pacific Northwest

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Invasive holly in
McDonald Forest
near Corvallis

Big leaf maple (*Acer macrophyllum*)



California



Coffeeberry (*Frangula californica*)



Emerald Sunshine Elm (*Ulmus propinqua*)

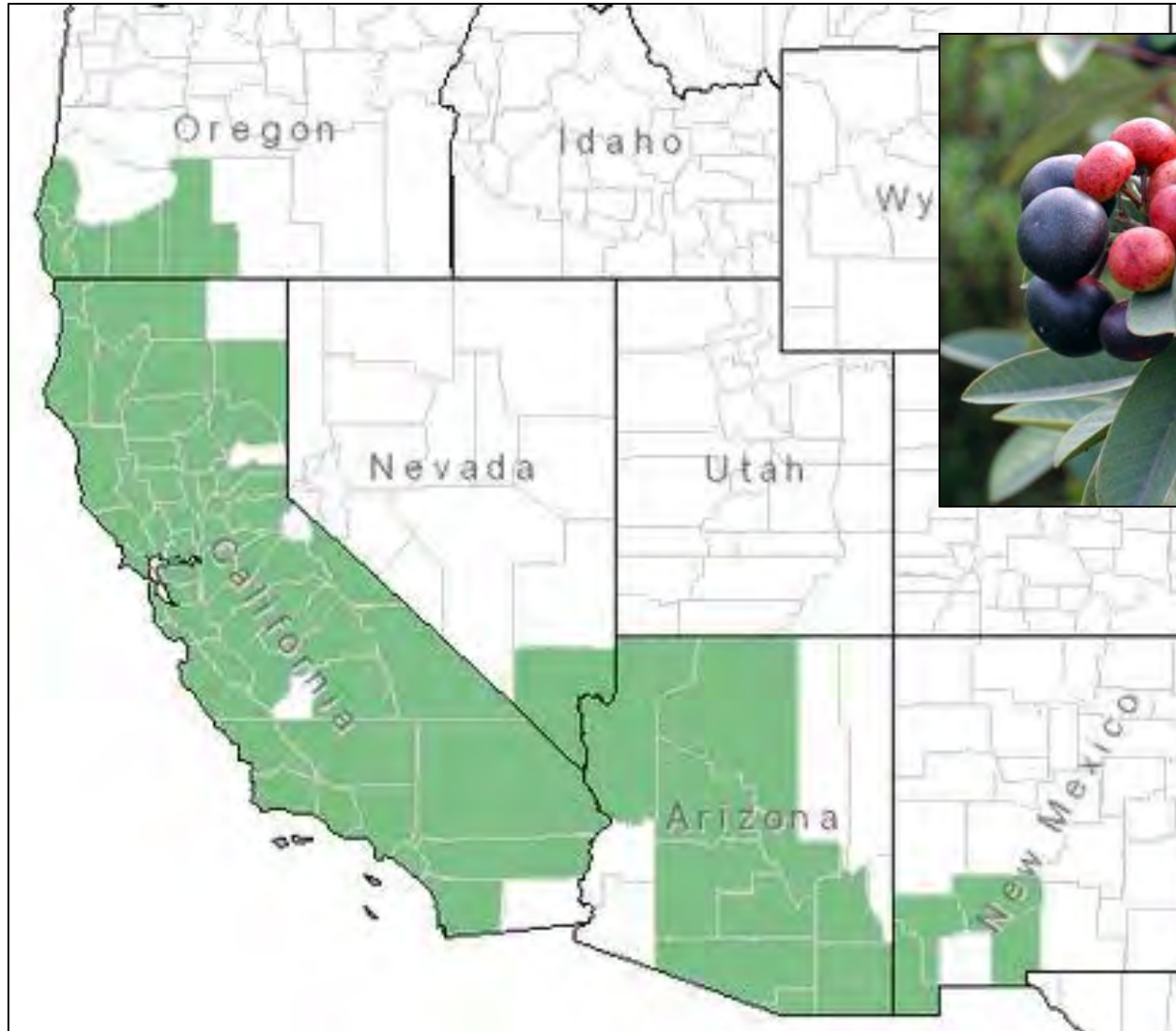


Carob (*Ceratonia siliqua*)

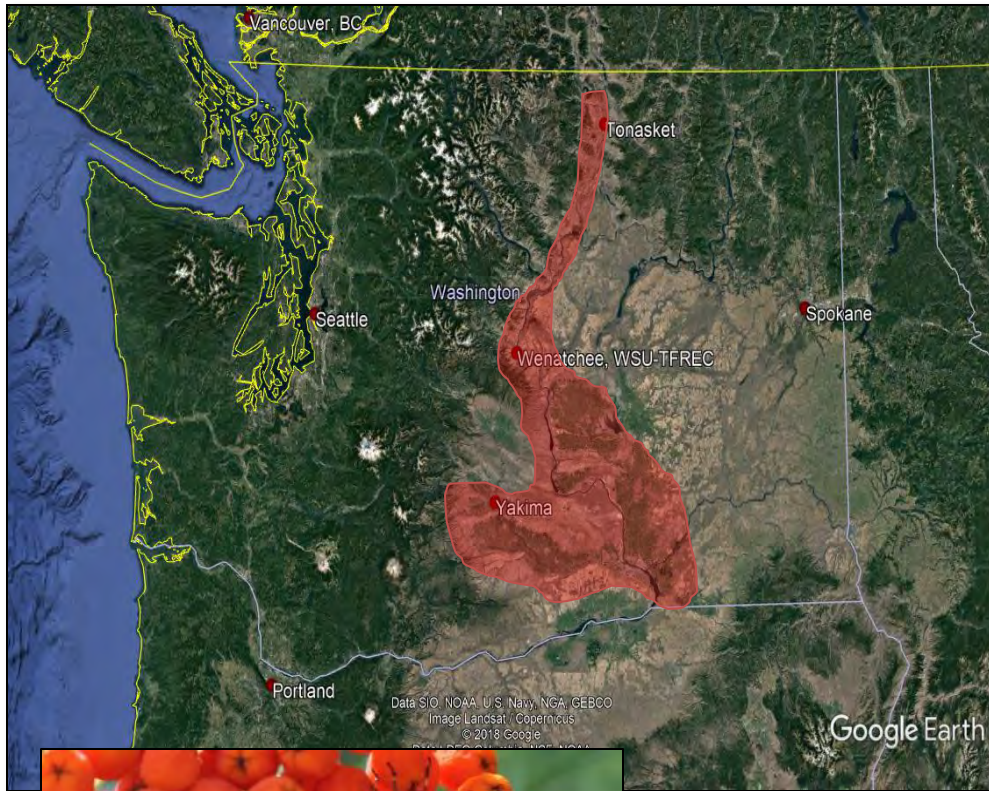


Sweet bay (*Laurus nobilis*)

Coffeeberry (*Frangula californica*)



Washington



Mountain Ash (*Sorbus*)

Chokecherry
Prunus virginiana



Suitability of shrub-steppe flora for BMSB development

Jim Hepler and Betsy Beers, Washington State University



Early Season (June)

- Bitterbrush (*Purshia tridentata*)
- Wax currant (*Ribes cereum*)
- Blue elderberry (*Sambucus cerulea*)
- Chokecherry (*Prunus virginiana*)
- Snowberry (*Symphoricarpos albus*)
- Serviceberry (*Amelanchier alnifolia*)
- Quaking aspen (*Populus tremuloides*)

Late Season (August)

- Bitterbrush (*Purshia tridentata*)
- Blue elderberry (*Sambucus cerulea*)
- Chokecherry (*Prunus virginiana*)
- Snowberry (*Symphoricarpos albus*)
- Serviceberry (*Amelanchier alnifolia*)
- Wild rose (*Rosa sp.*)



Use only with 100 ppm light
Wash LUPULON/THATCHED

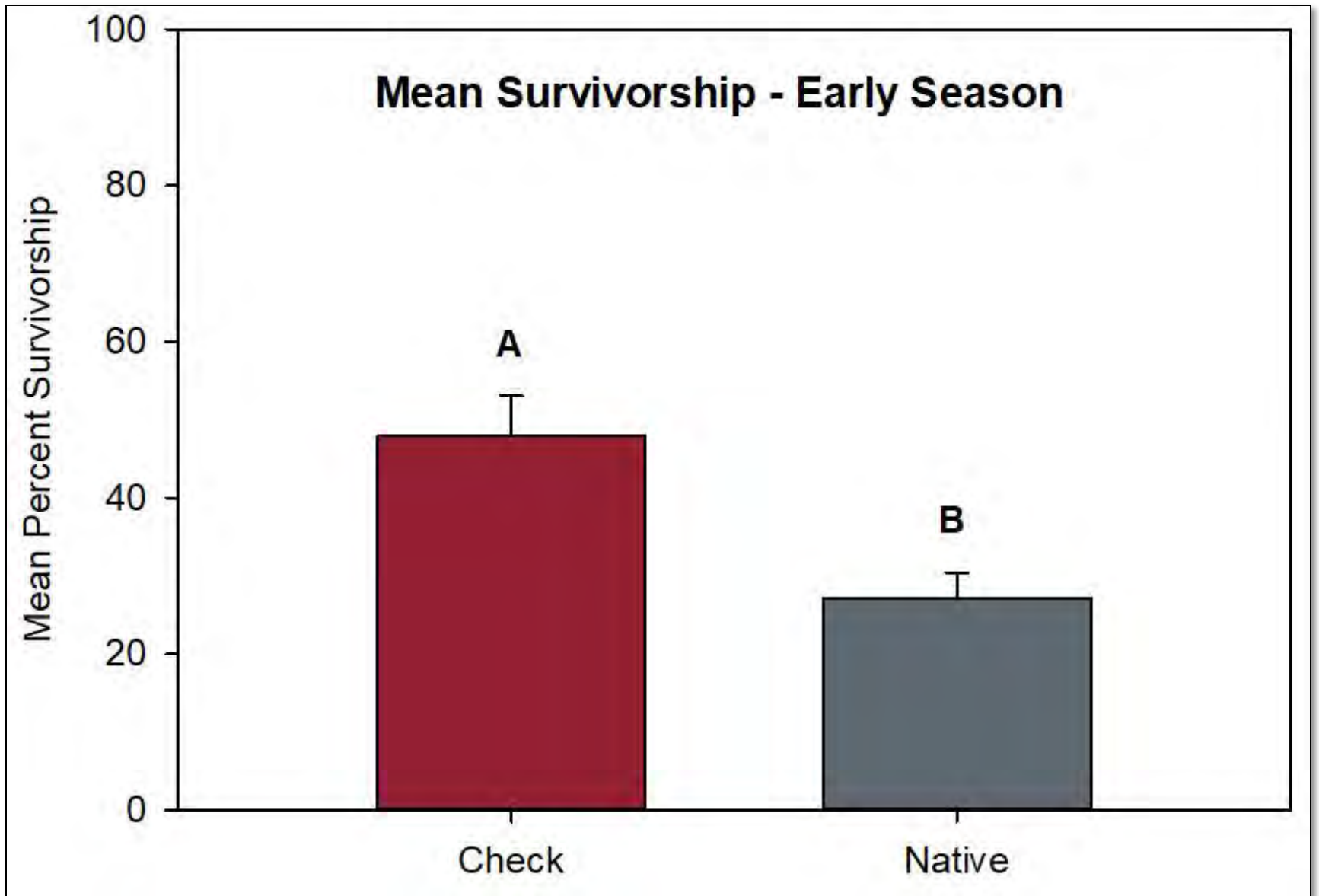
CAUTION
REMOVING AIR COOL LULA
DO NOT OVERHEAT

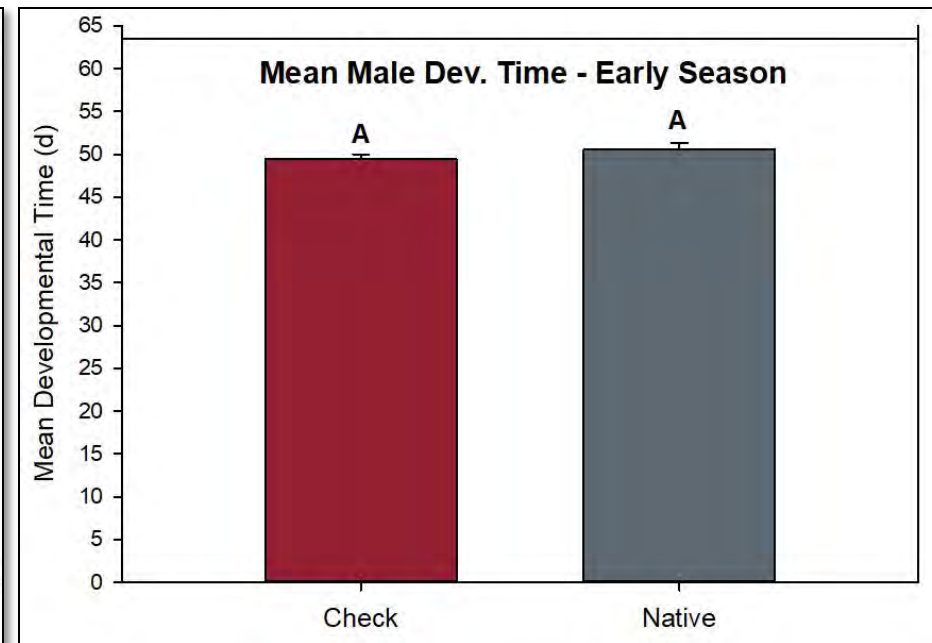
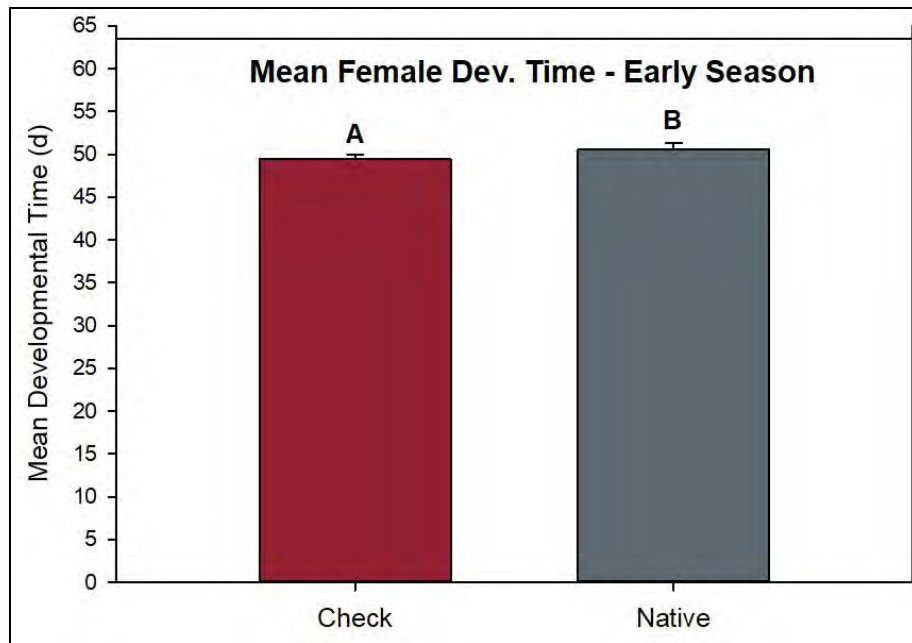
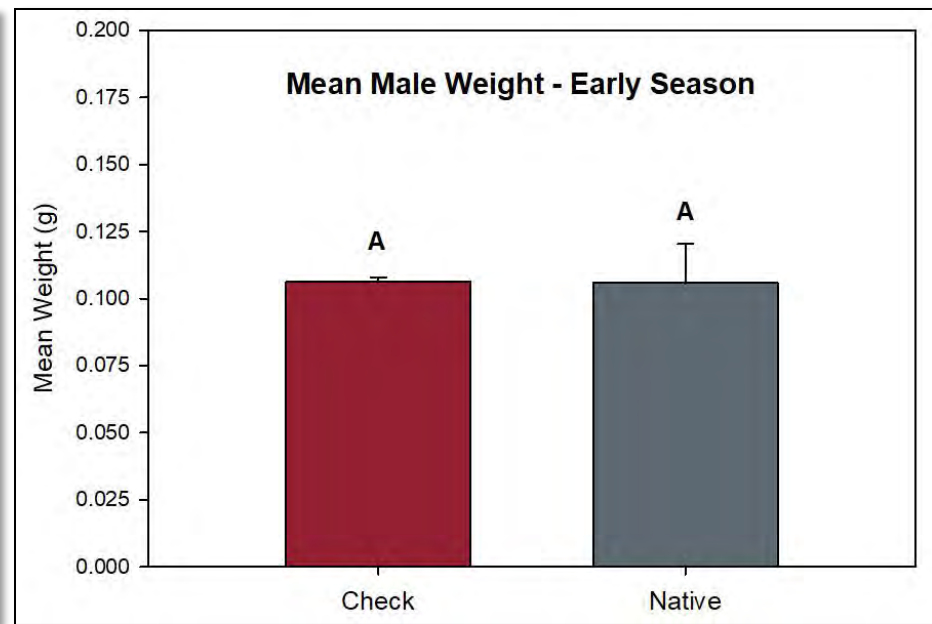
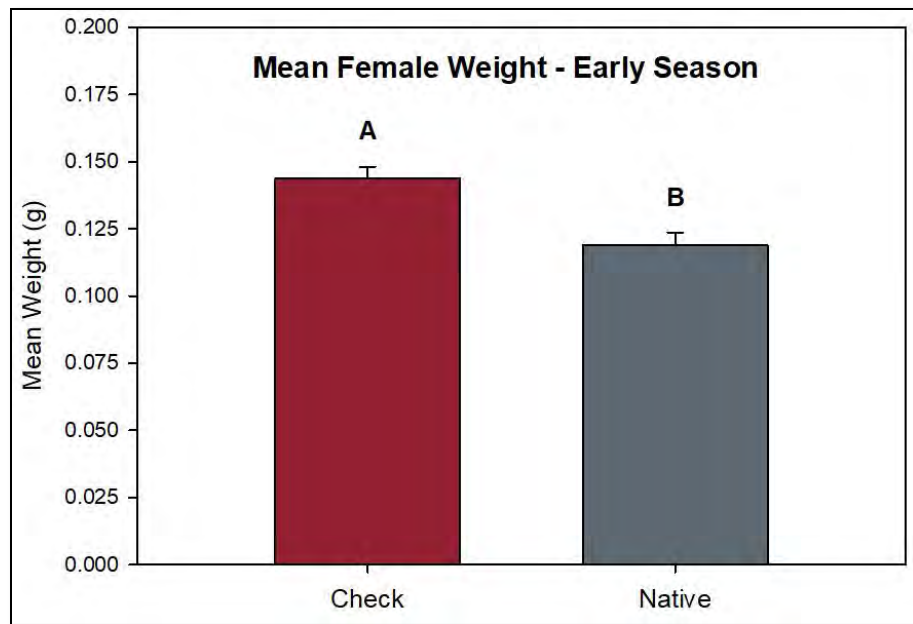


1A ✓



2E





Mean Survivorship - Late Season

Mean Percent Survivorship

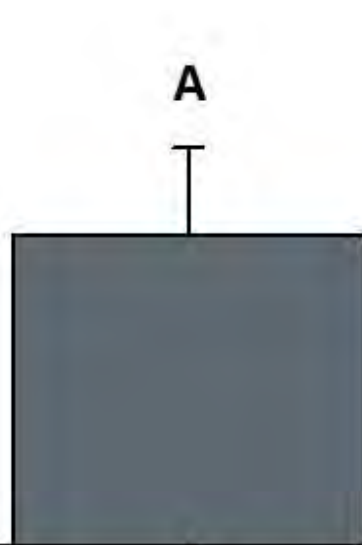
40
30
20
10
0

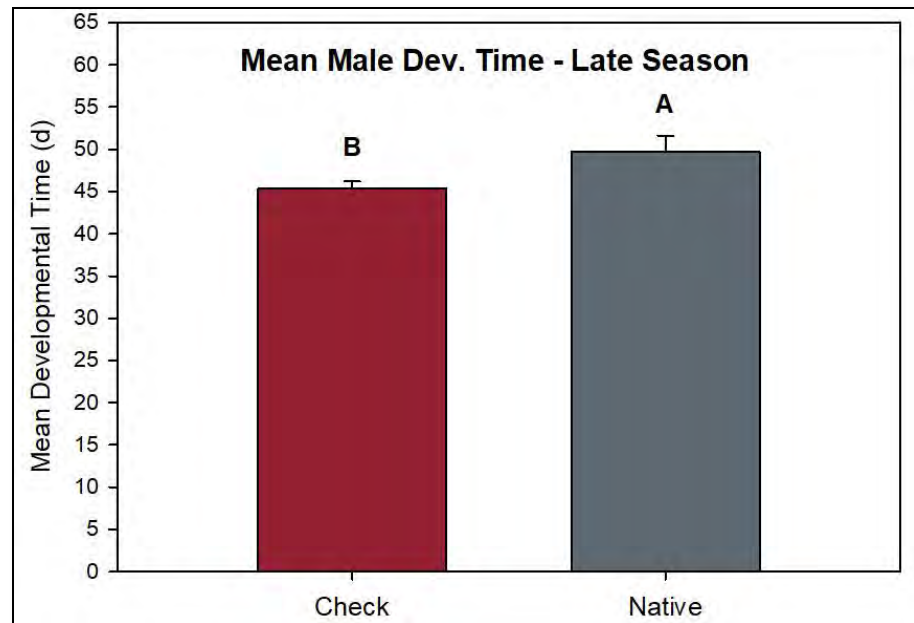
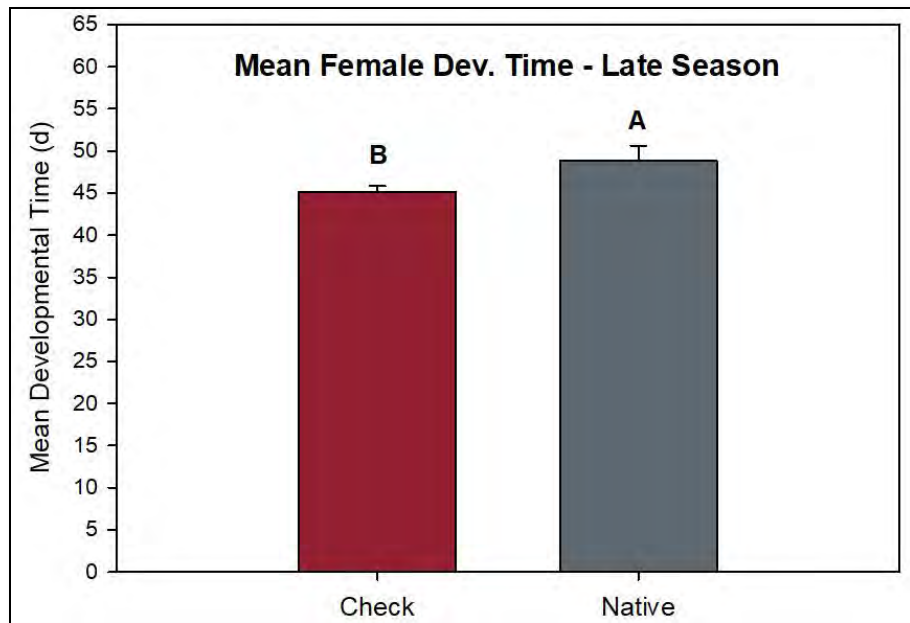
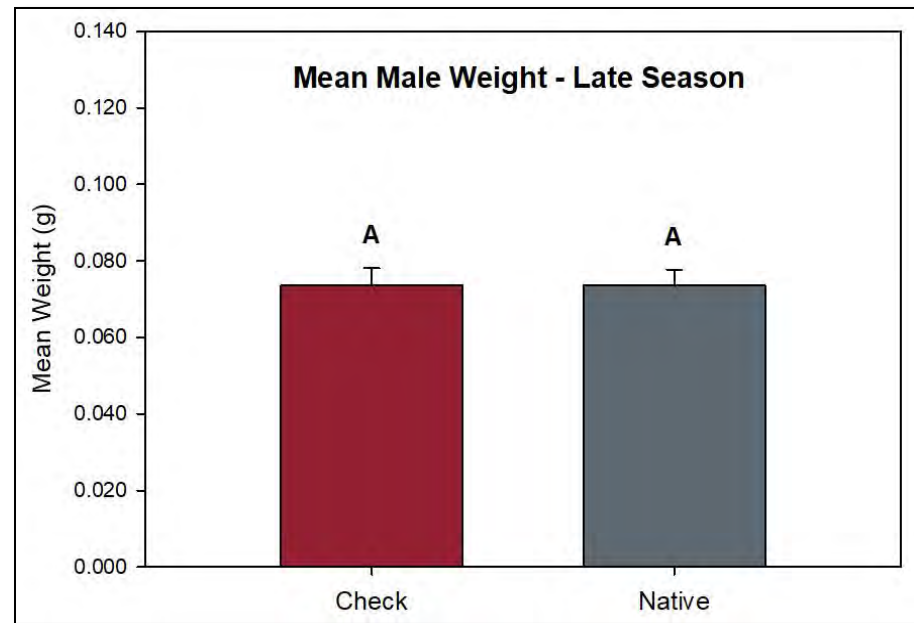
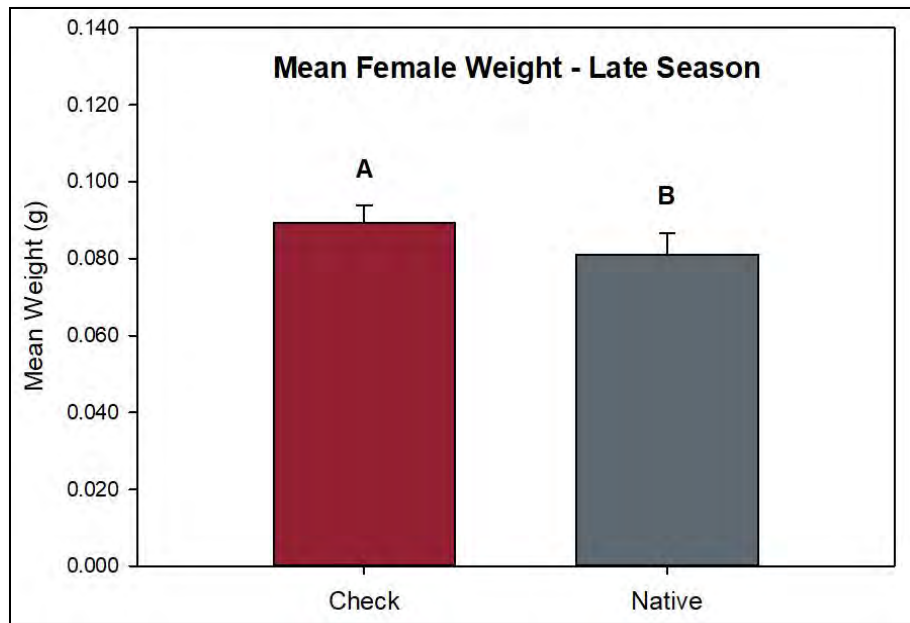
Check

Native

A

A

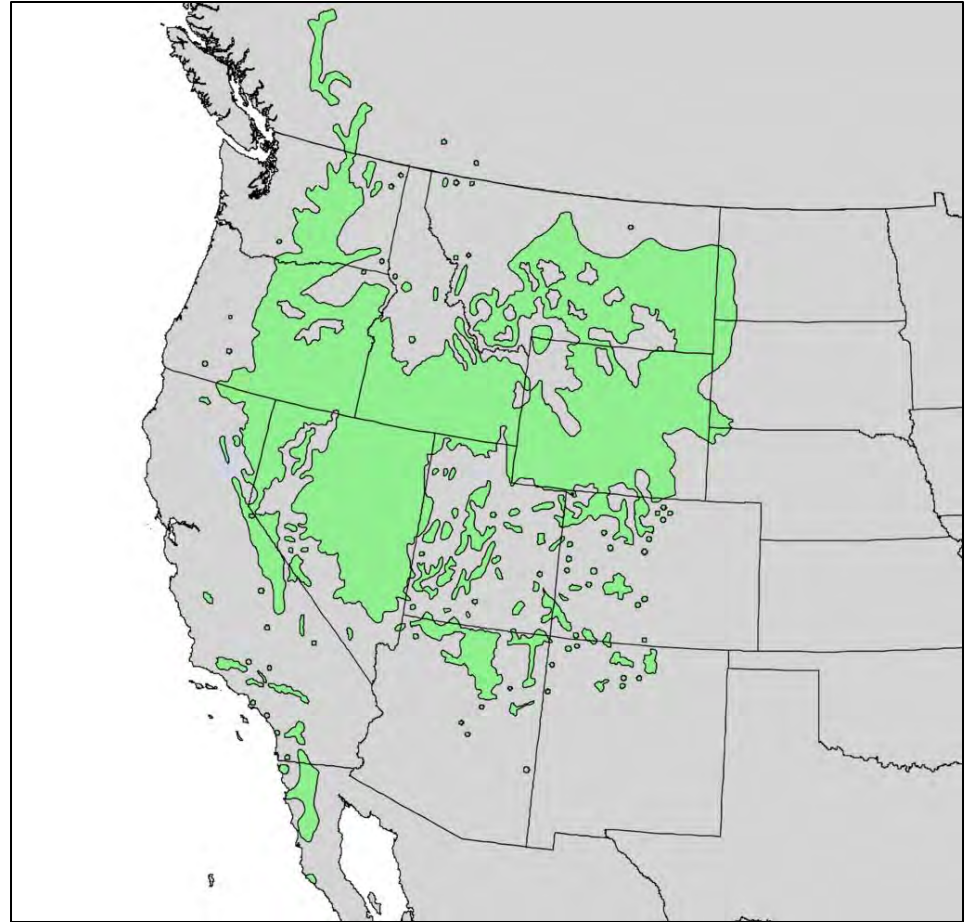




Shrub-steppe plant communities can support BMSB development



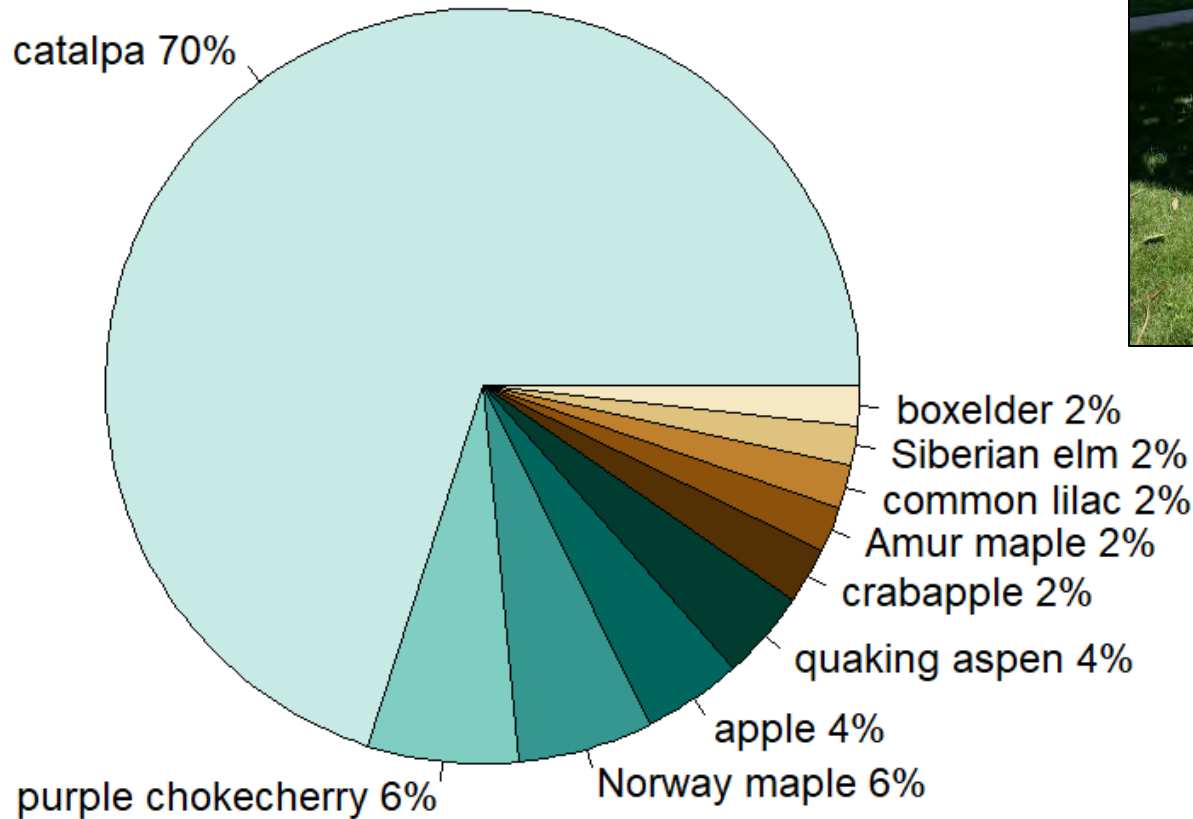
Big Sagebrush
(*Artemisia tridentata*)



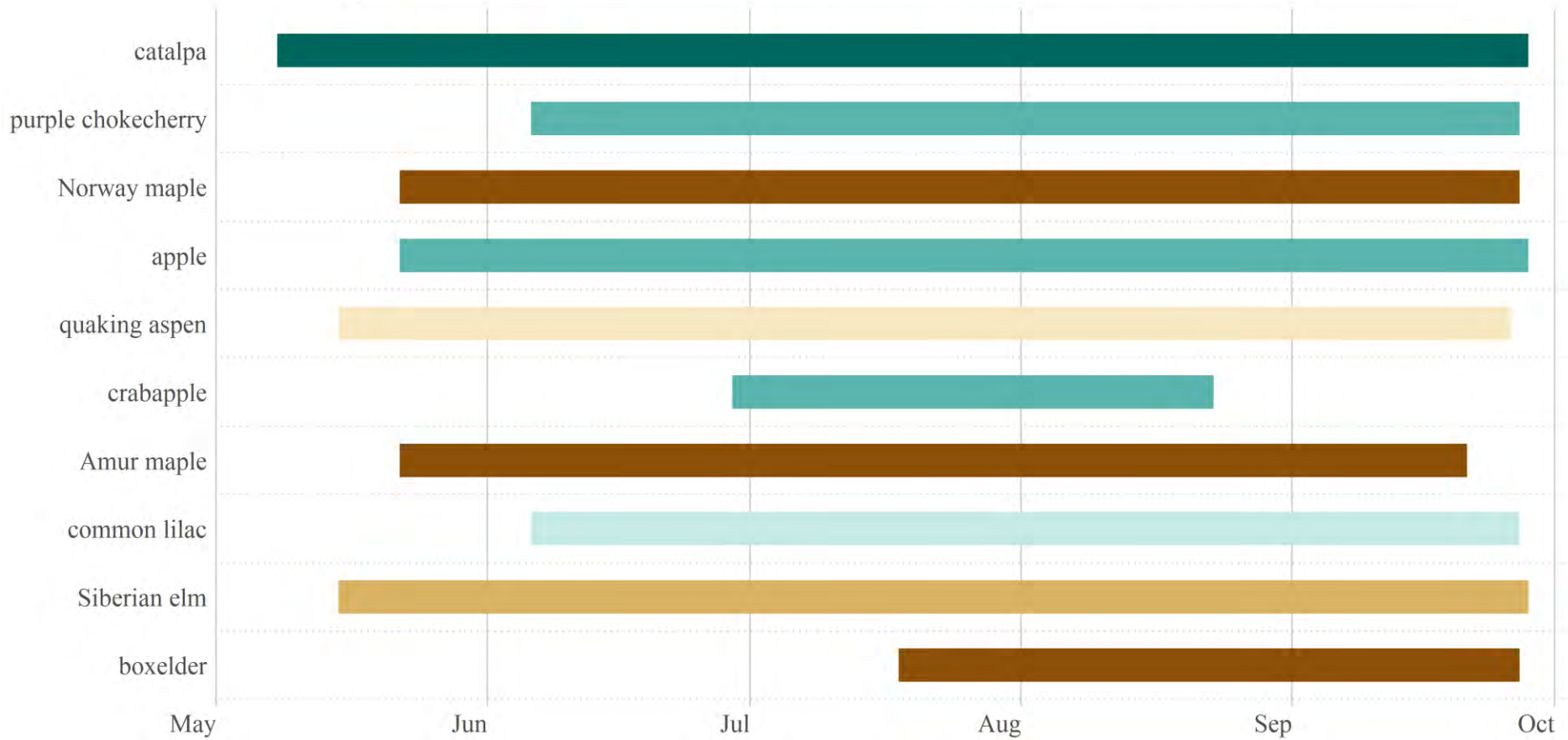
Utah Urban Host Plant Surveys

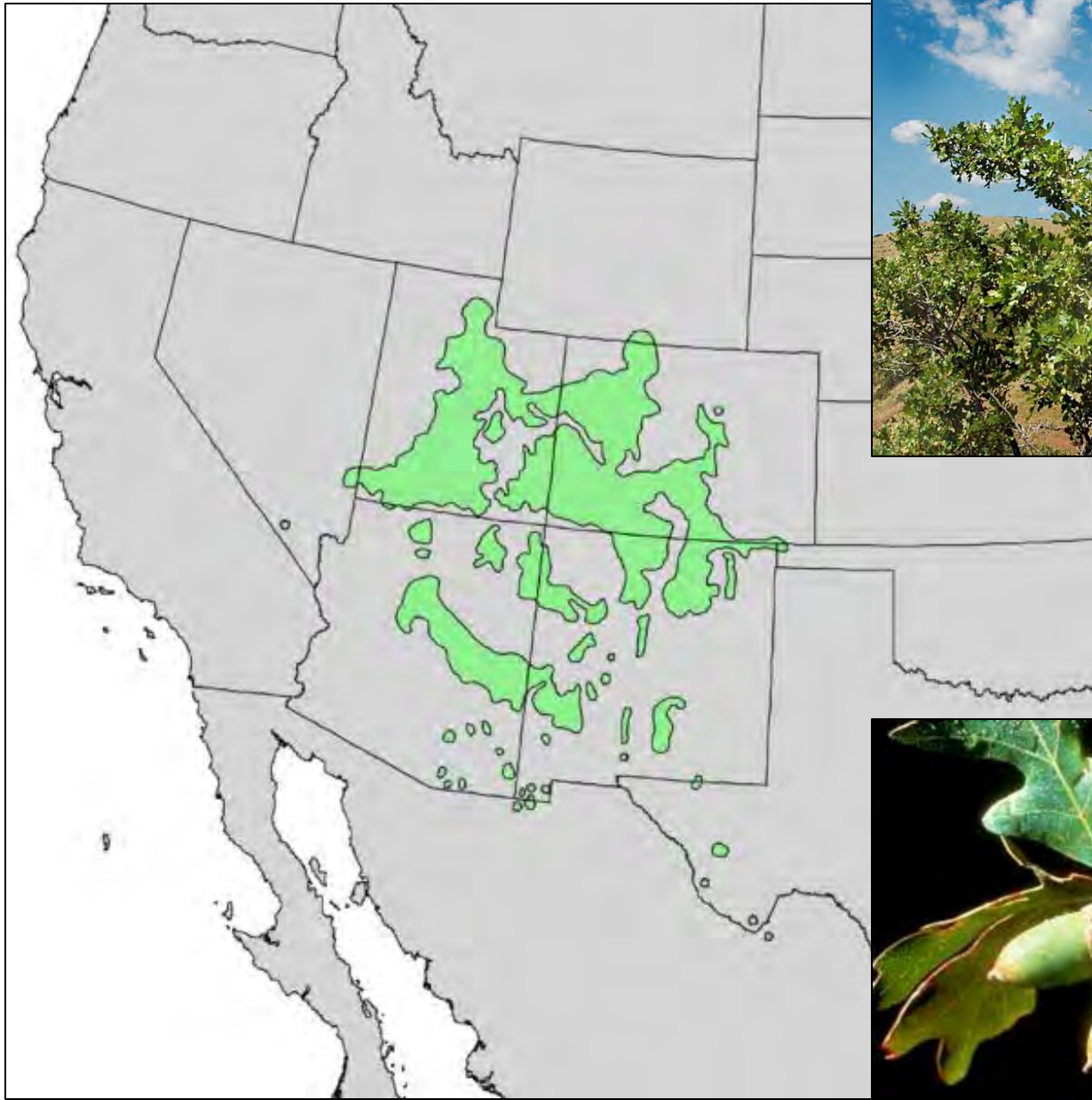
4 northern UT counties in 2017 & 2018

- 63 plant species
- 24 plant families



BMSB Seasonal Occurrence On Top 10 Host Plants





Gambel Oak
(*Quercus gambelii*)

