Background Information on the Susceptibility of Various Connecticut Tree Populations to the Asian Longhorned Beetle

Key:
*** indicates "highly susceptible to the ALB"
**   indicates "susceptible to the ALB"

Top Ten Forest Trees by number of individual stems (1.0 dbh and up):

1. Red maple – 25% ***
2. Black birch – 12% **
3. American beech – 7%
4. Sugar maple – 7% ***
5. Eastern white pine – 5%
6. Eastern hemlock – 5%
7. Northern red oak – 4%
8. American hornbeam, musclewood – 3%
9. Yellow birch – 3% **
10. White oak – 3%

This list includes 75% of tree species in the forest.
(Note – white ash, which is vulnerable to the emerald ash borer but not the ALB, constitutes about 2.2% of the forest; ash in general constitutes about 2.4%).

Based on the above data, about 47% of the forest trees in Connecticut are susceptible to the ALB, and about 32% are highly susceptible.

Source: Forests of Connecticut, 2017. Resource Update FS-159. Drawn from Table CT-11.

Top Species from the Hartford Urban Forest (all lands) by number of individual stems (1.0 dbh and up):
1. Red maple – 13% ***
2. Black Cherry – 7%
3. American Elm – 6% ***
4. Tree of Heaven – 6%
5. Northern Red Oak – 5%
6. American Beech – 4%
7. Pin Oak – 4%
8. Glossy Buckthorn – 4%
9. Norway Maple – 3% **
10. Silver Maple – 3% **

Based on the above data, about 48% of the trees in Hartford are susceptible to the ALB.

Source: Urban Forest Effects (UFORE) Study, conducted the Summer of 2007
By the City of Hartford, CT DEEP Forestry, US Forest Service and Knox Parks Foundation
See "Hartford's Urban Forest – the Challenge"

Top Species from the Hartford Urban Forest (all lands) by leaf area (canopy volume):
1. Red Maple – 12% ***
2. Silver Maple – 10% ***
3. Pin Oak – 9%
4. Cottonwood – 6% **
5. American Beech – 6%
6. Red Oak – 5%
7. Sugar Maple – 4% ***
8. Box Elder – 3% ***
9. American Elm – 3% ***
10. Black Cherry – 4%

Based on the above data, about 59% of the canopy volume of Hartford is susceptible to the ALB.

Source: Urban Forest Effects (UFORE) Study, conducted the Summer of 2007
By the City of Hartford, CT DEEP Forestry, US Forest Service and Knox Parks Foundation
See "Hartford's Urban Forest – the Challenge"

Milford Street Trees
Listed by percentage of number of individuals
1. Norway Maple - 24% ***
2. Red Maple - 13% ***
3. Crabapple - 8%
4. Sugar Maple - 7% ***
5. Silver Maple - 4% ***
6. Pin Oak - 5%
7. Flowering Dogwood - 4%
8. Flowering Cherry - 3%
9. Black Cherry - 3%
10. White Pine - 3%

Based on the above data, at least one-half of the street trees in Milford are susceptible to the ALB.

Source: City of Milford Street Tree Inventory Data, unpublished
The information on these sheets has been assembled the CT DEEP Urban Forestry program.