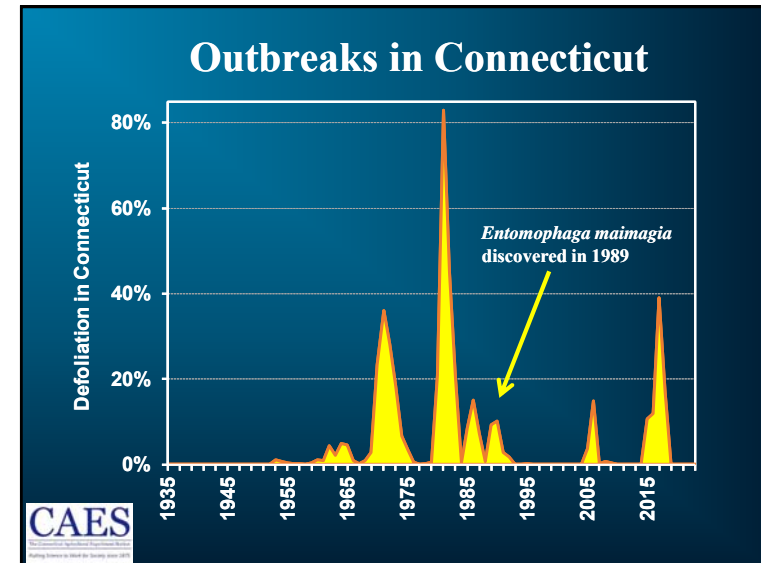
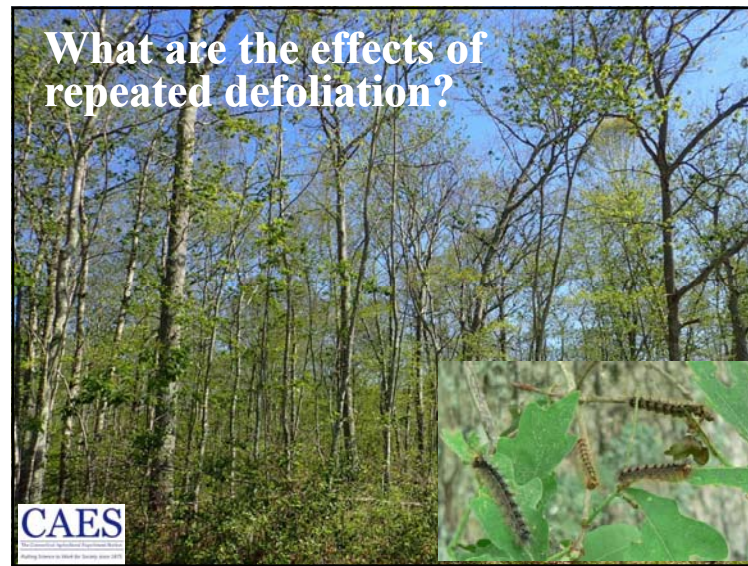


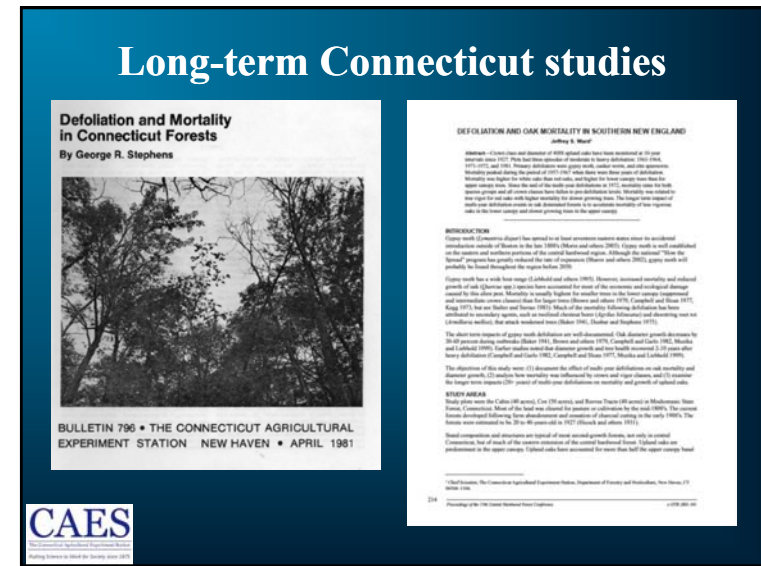
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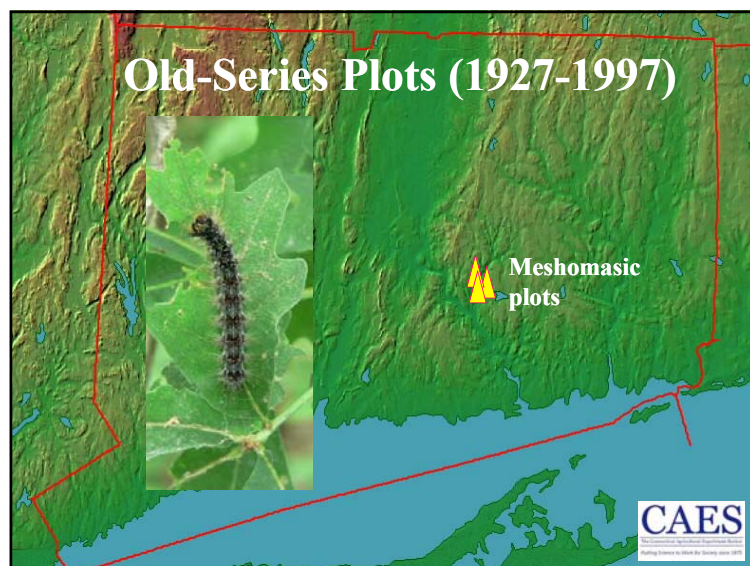
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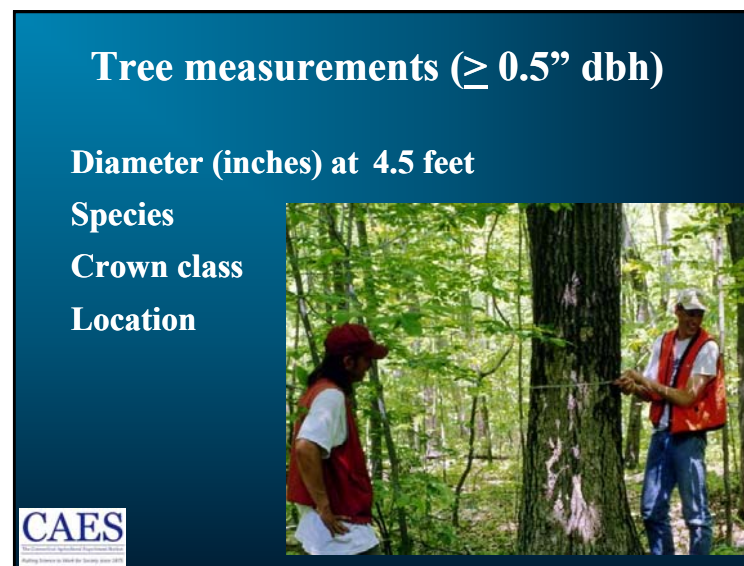
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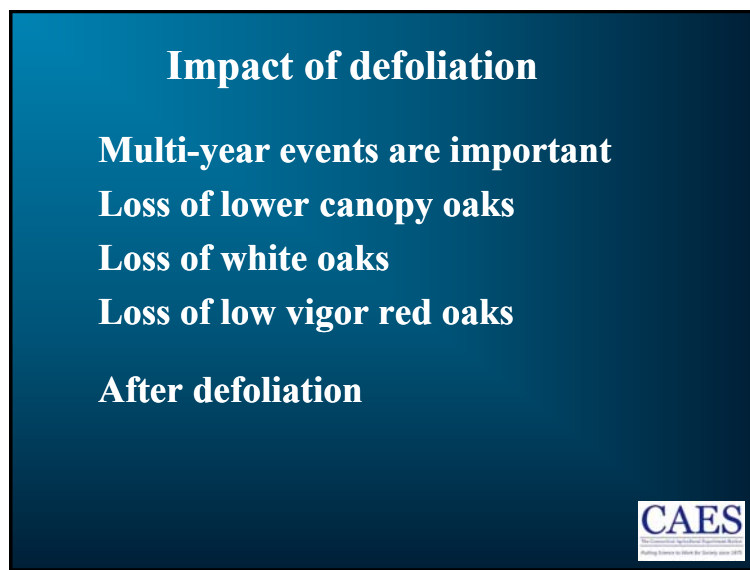
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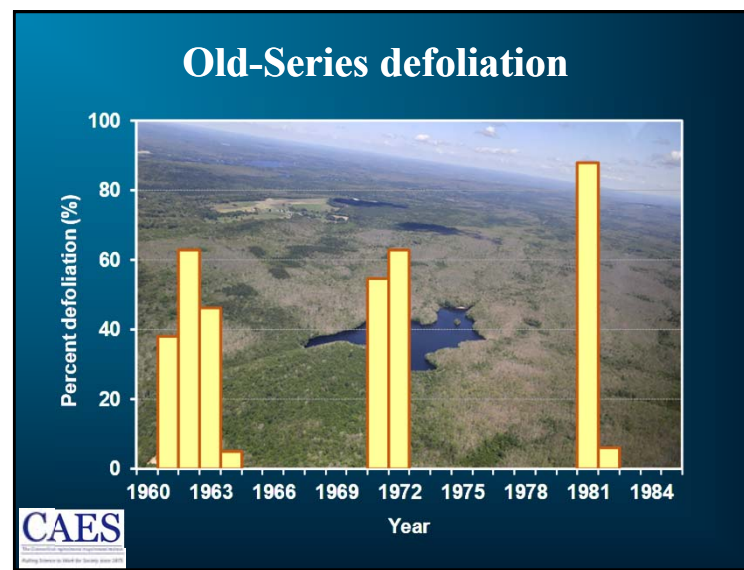
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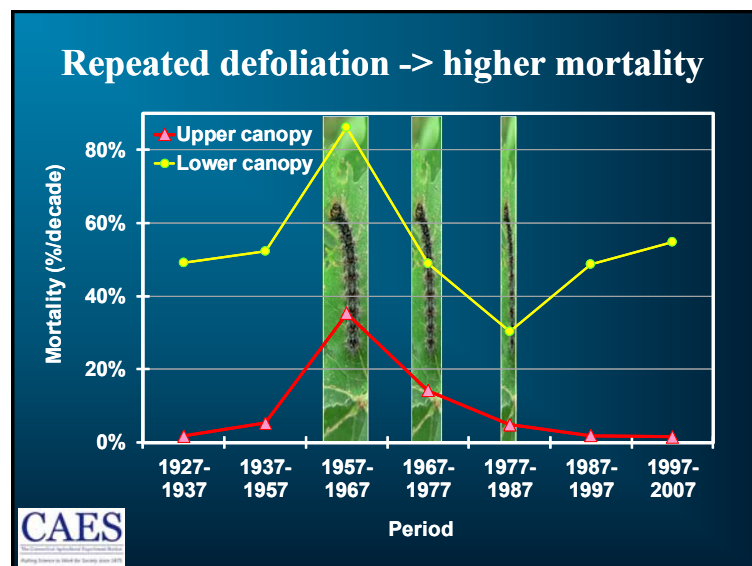
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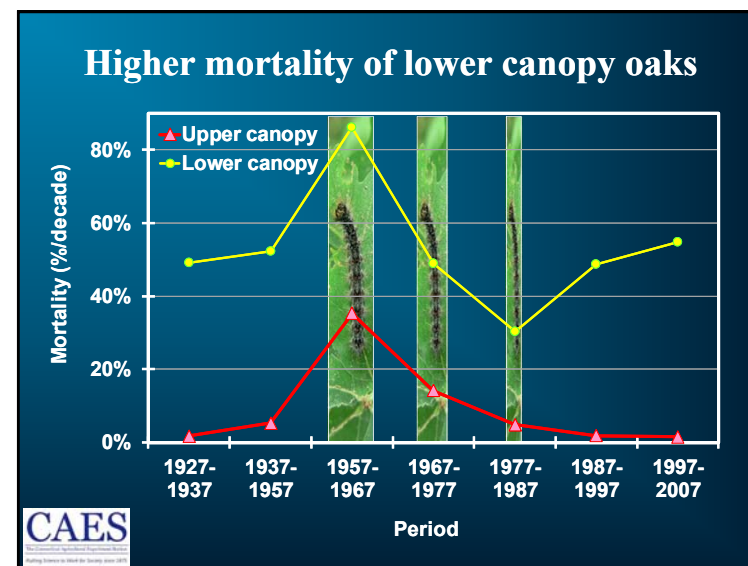
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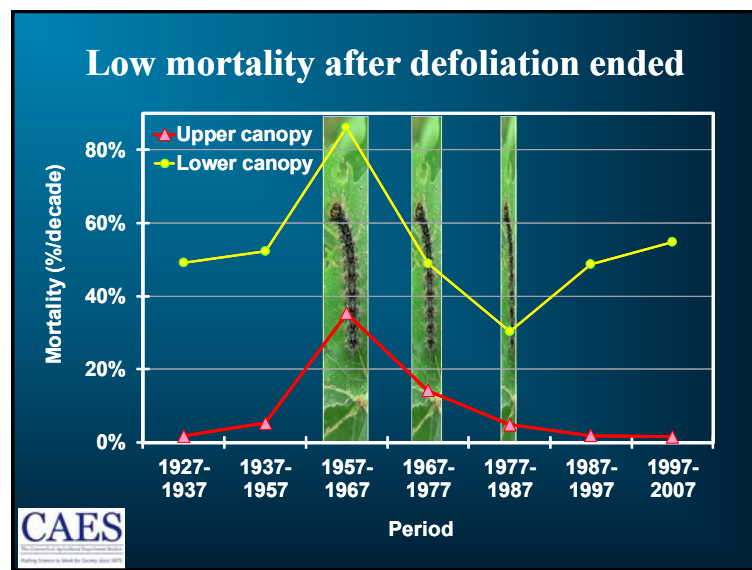
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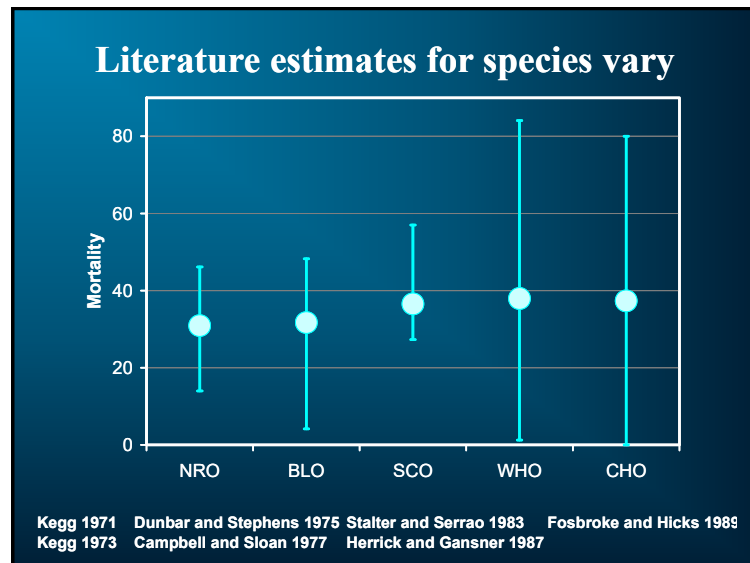
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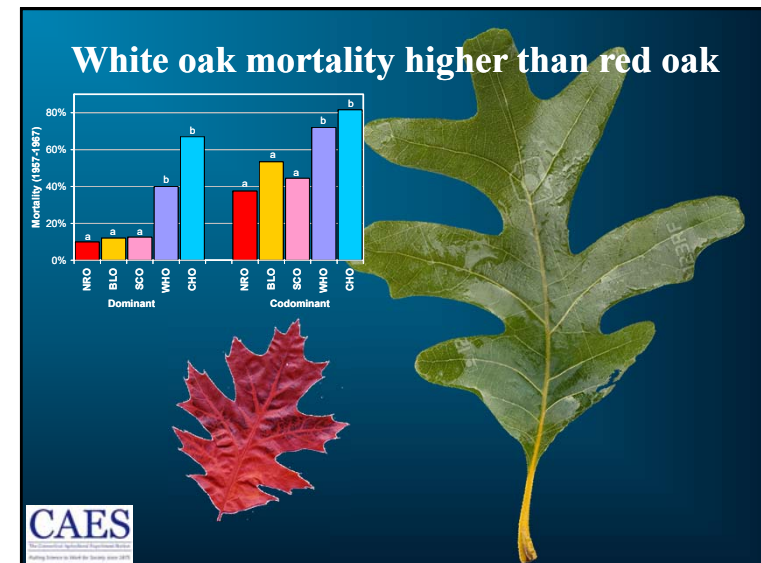
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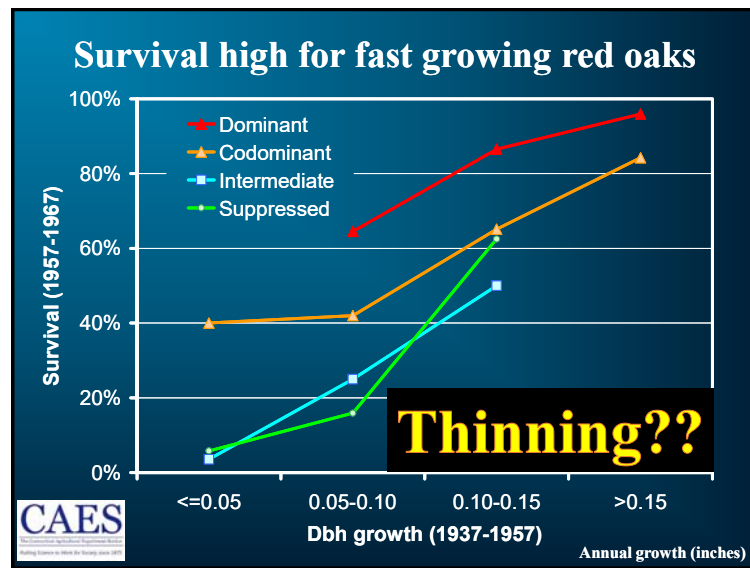
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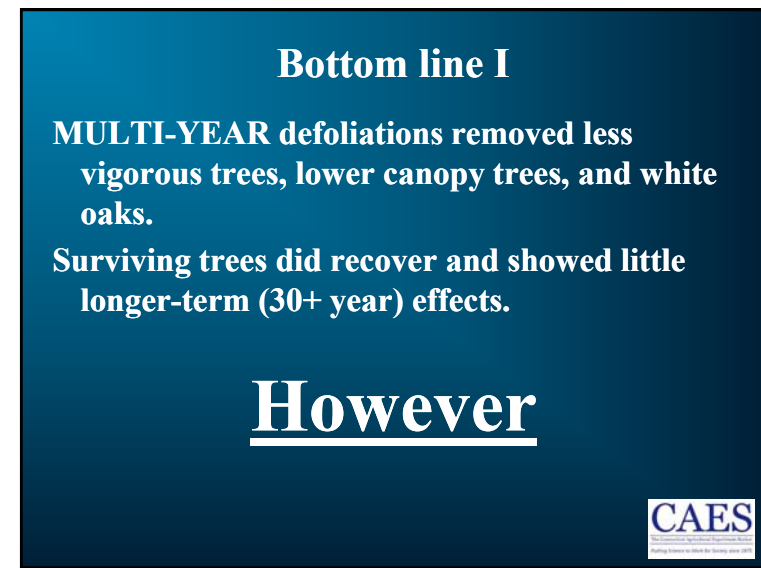
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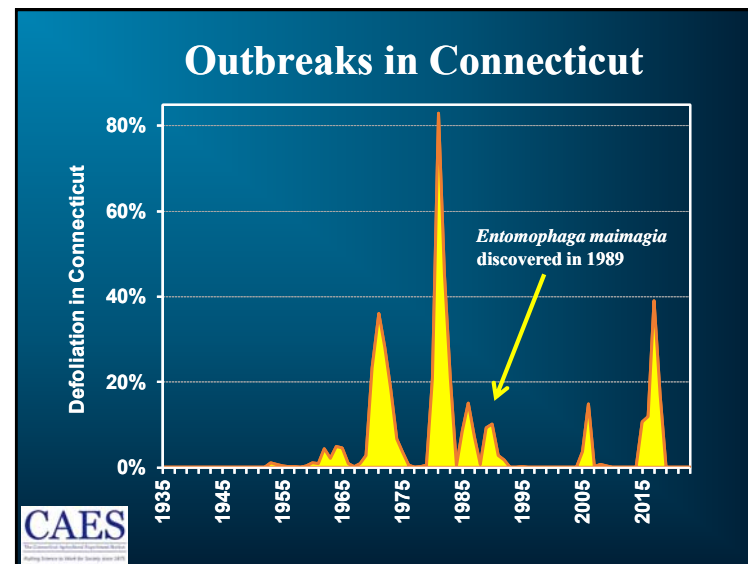
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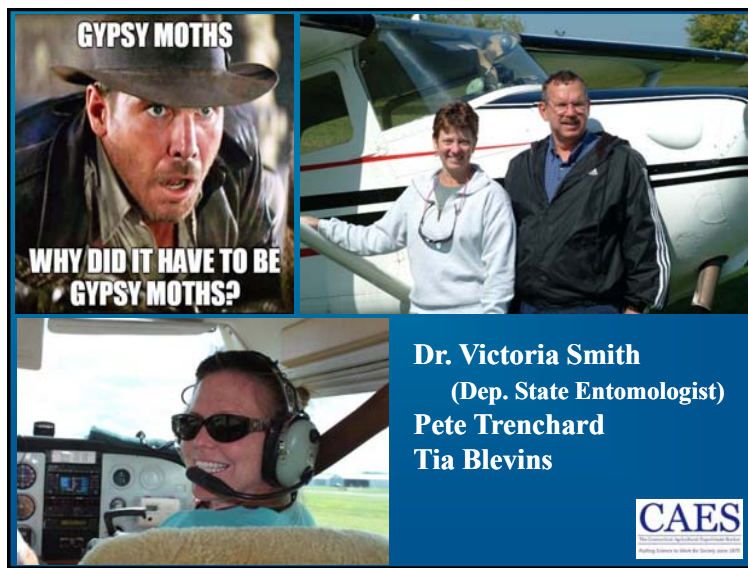
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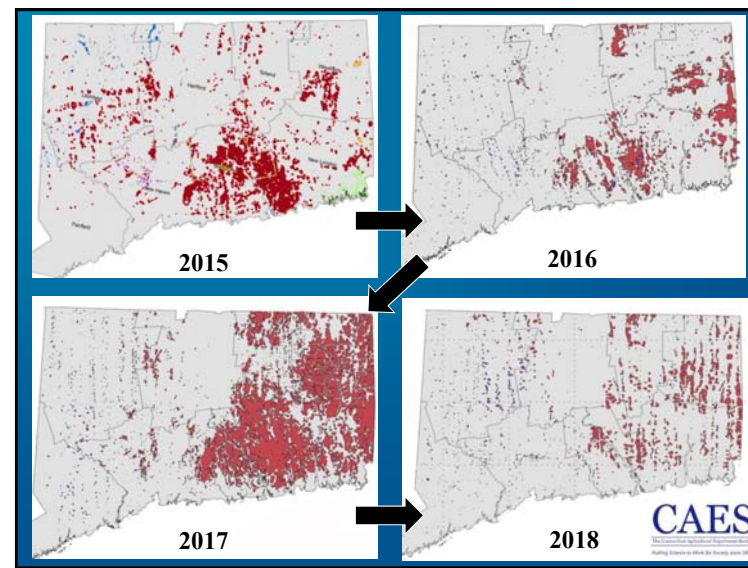
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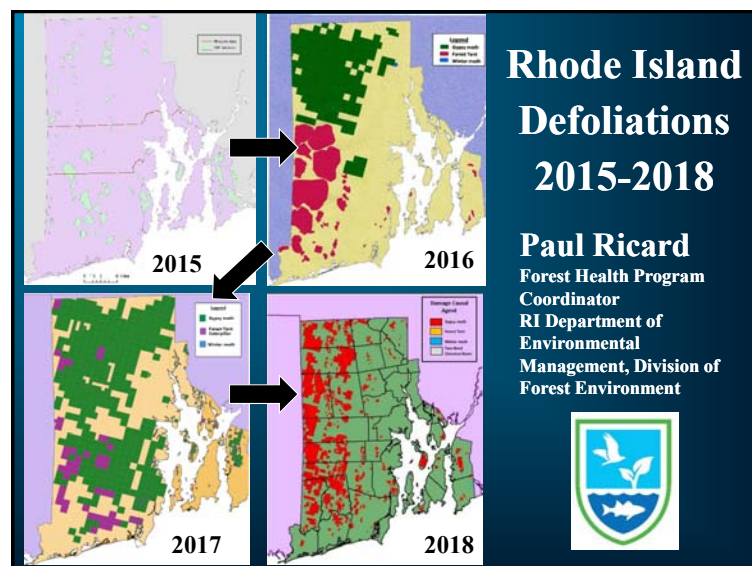
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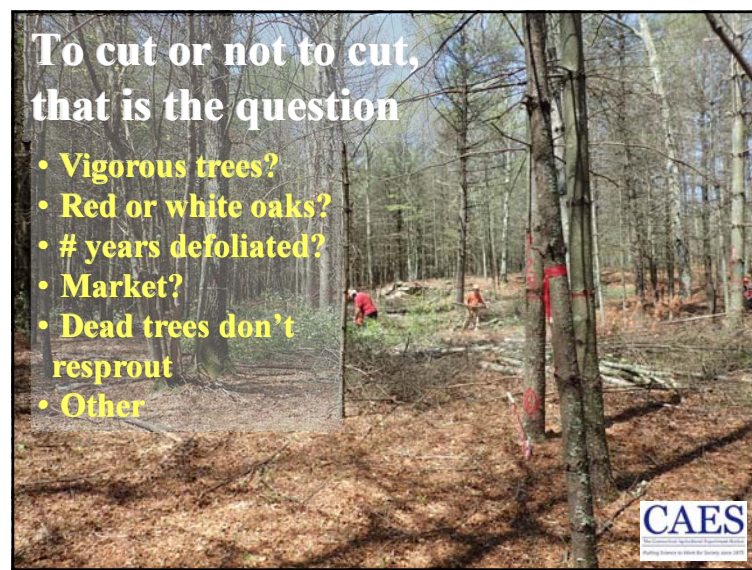
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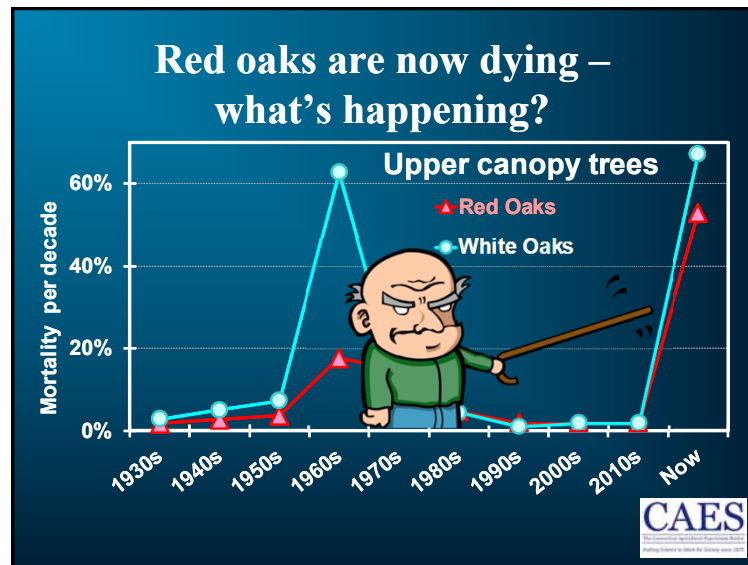
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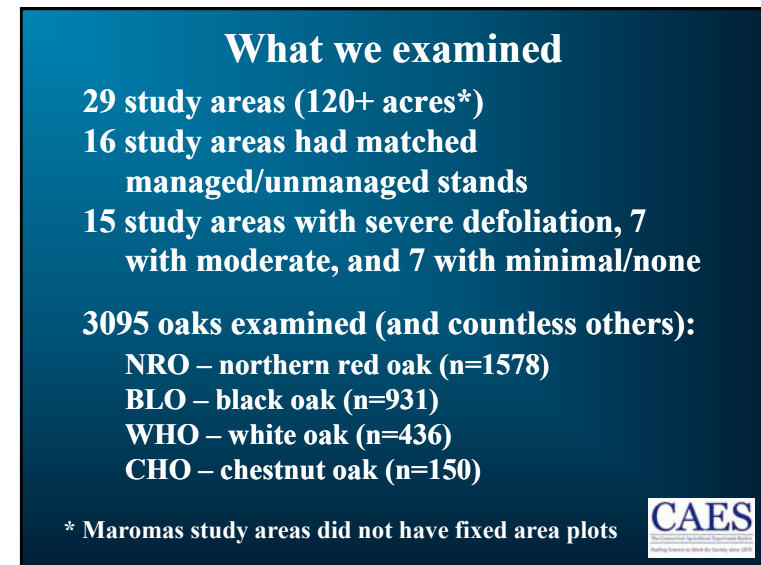
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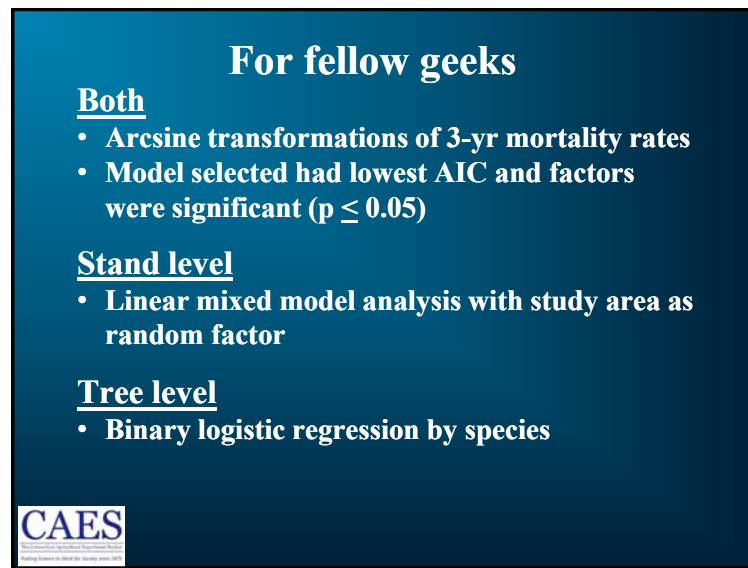
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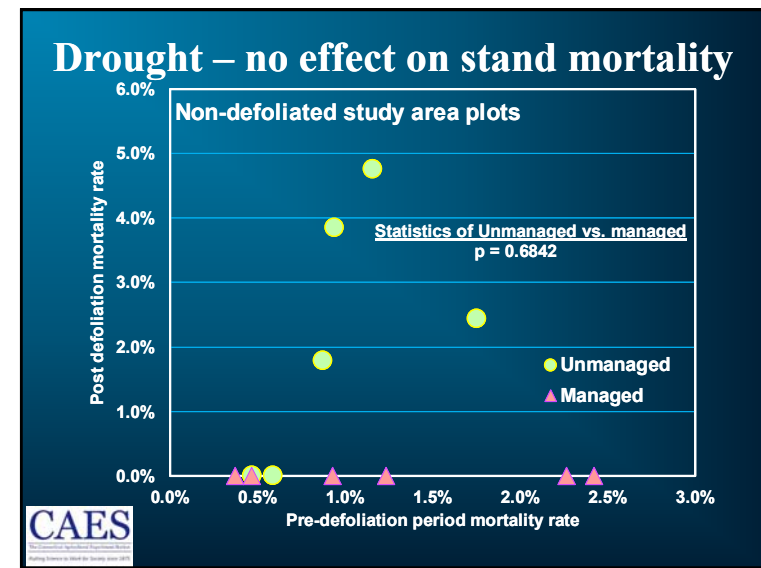
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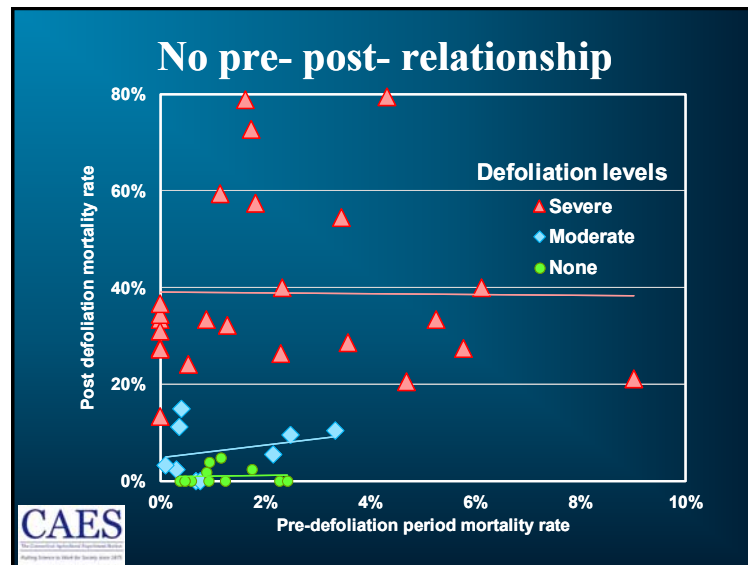
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Pre-defoliation oak mortality

Pre-defoliation stand level mortality did not differ by:

- Managed vs. unmanaged stands
- Stand oak basal area
- Stand oak density
- Did not examine soils, but saw high mortality on some moist soils (e.g., Pikes, Pine Acres)

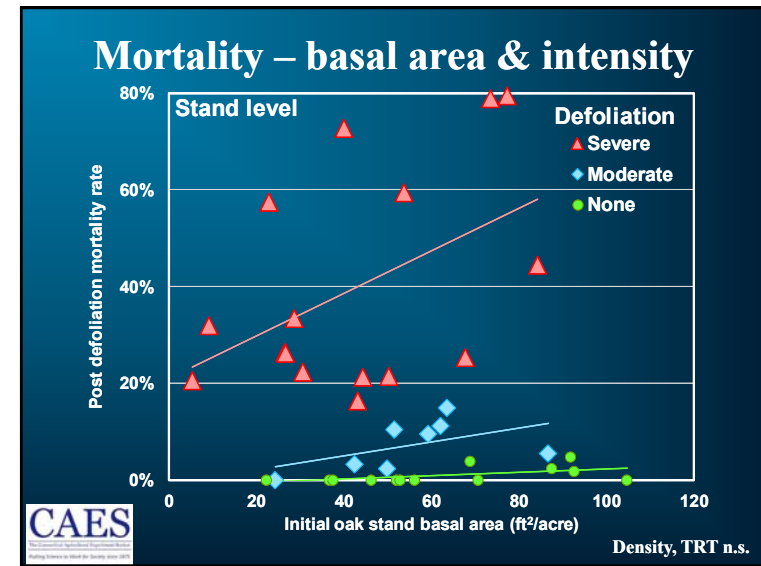
High pre-defoliation stand level mortality did not predict high post-defoliation mortality

CAES

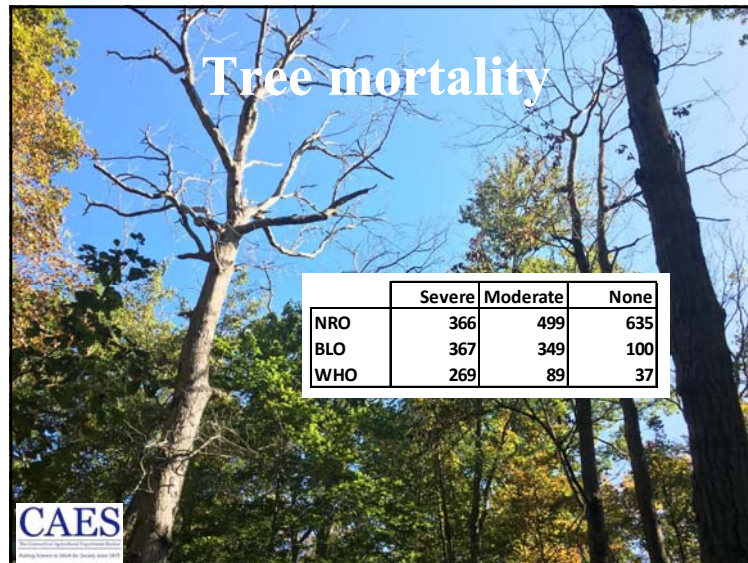
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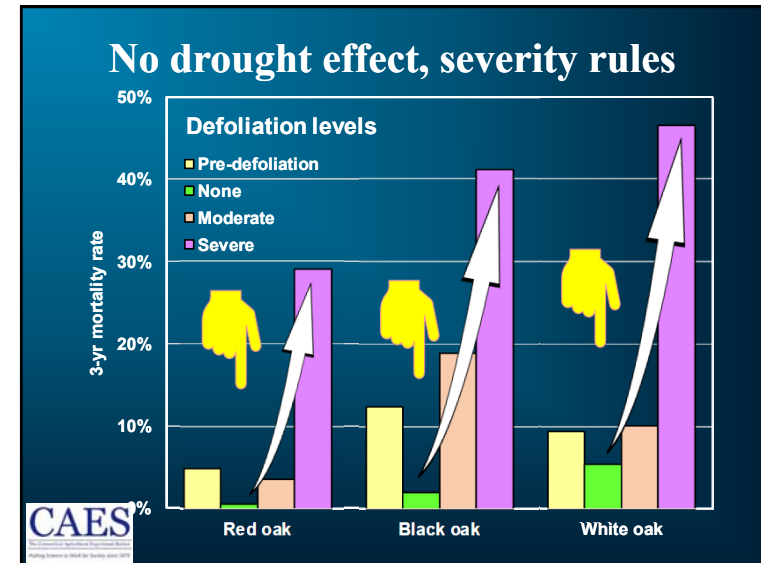
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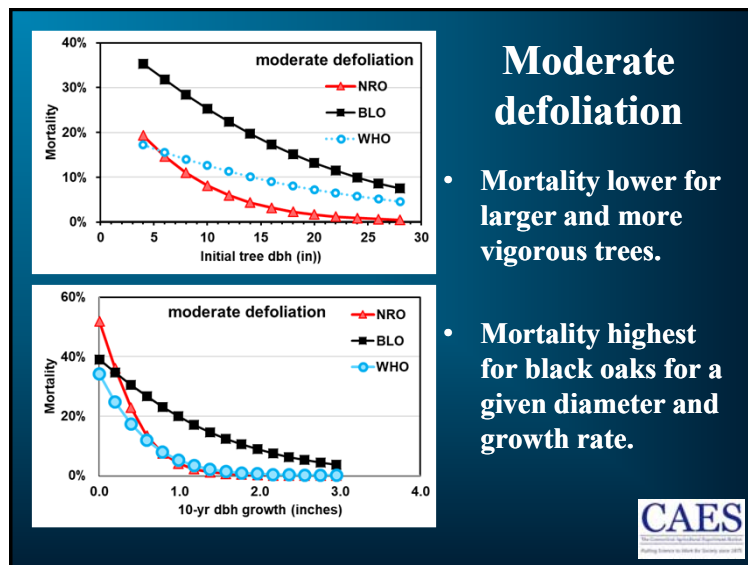
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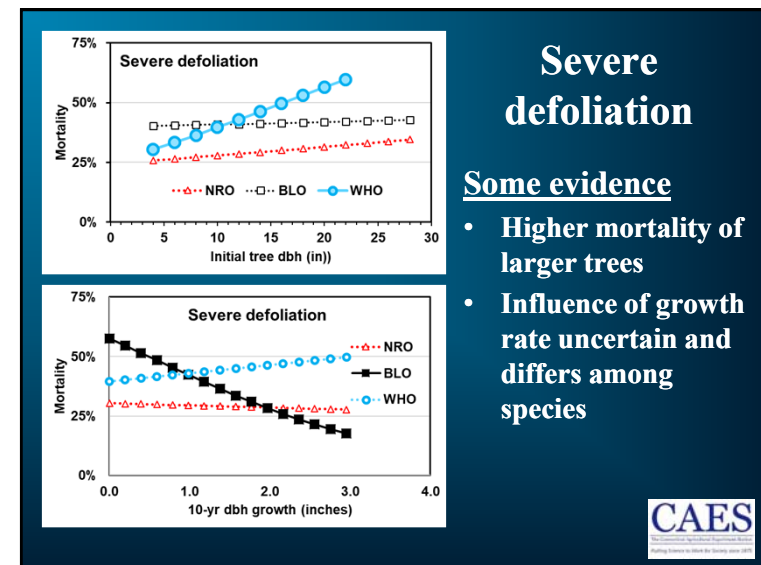
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Other



Crown class not significant (but few lower canopy trees)



Thinning increased mortality of red and white oaks on severely defoliated plots



However, no link between mortality and stand oak density or basal area (?)



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Summary

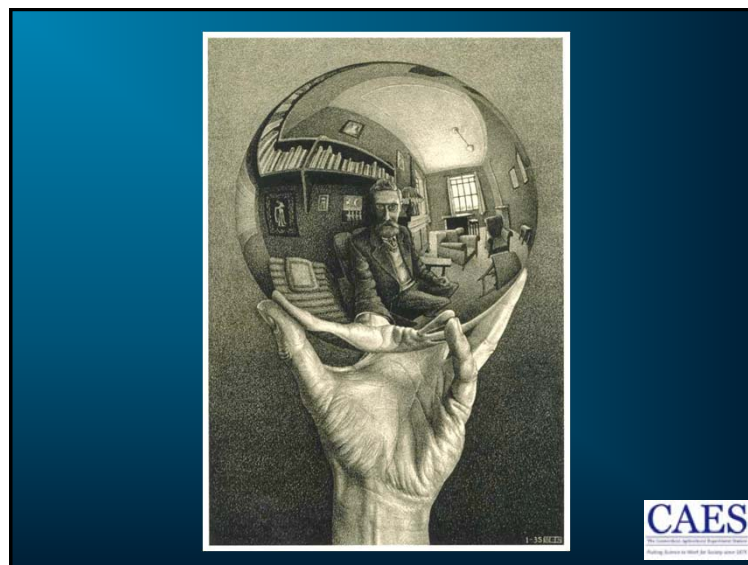
No detectable effect of drought on stand or tree mortality rates

Reduce anticipated stand and tree mortality by:

- removing black oaks, and to a lesser extent removing white oak
- thinning effects are uncertain
- if severe (heavy, multi-year) defoliations occur, expect high mortality and can not predict which trees will die



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