

2025 Shrub Damage Summer Update

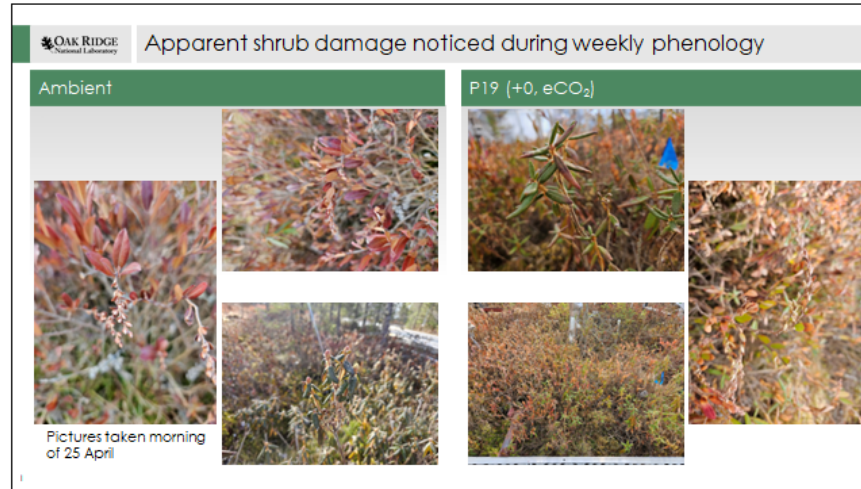
What do things look like now that summer foliage is out?

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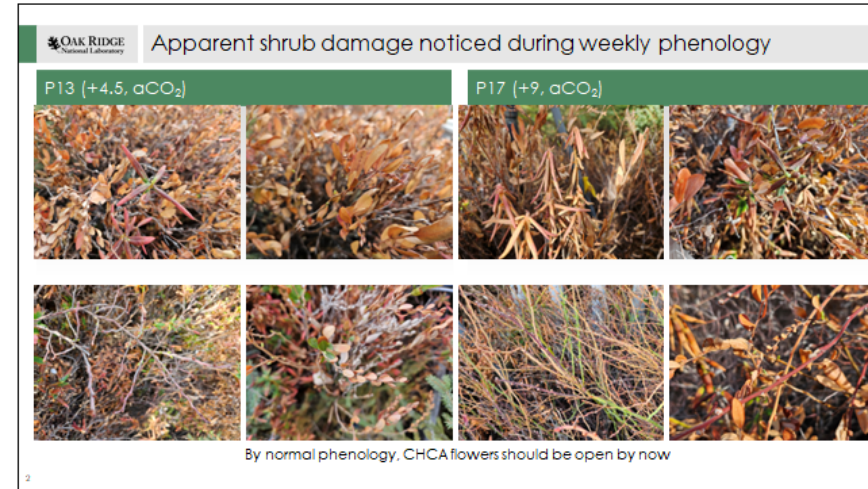


U.S. DEPARTMENT OF
ENERGY

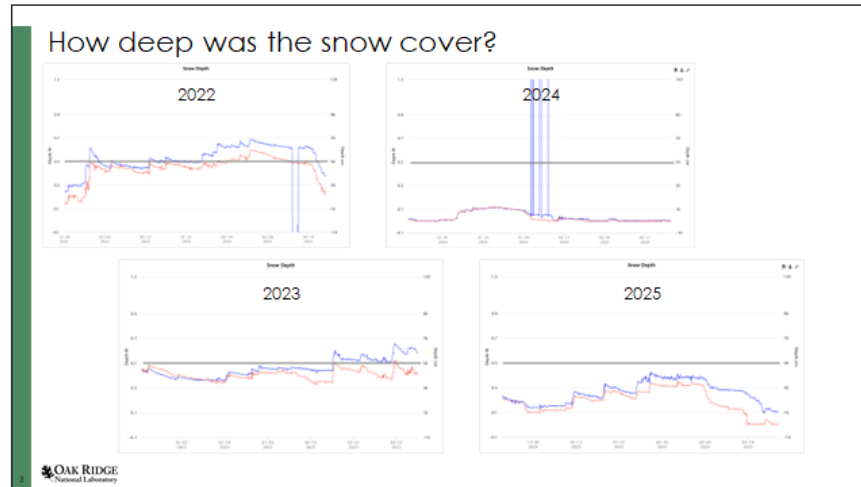
What we saw before



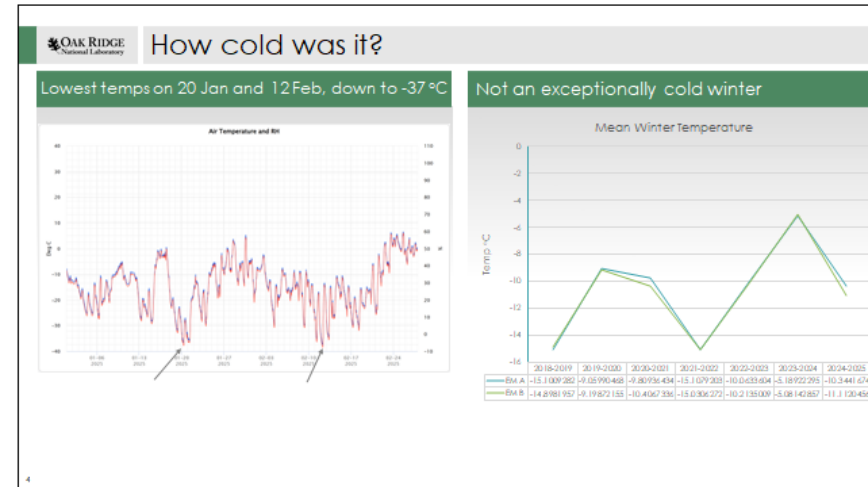
1



2



3



4

What we're seeing now

- Dead stem tips
- New growth lower down the stem
- Production apparently comparable to previous years
- Greater apparent impact in warmer plots
- Damage nearly undetectable in short-statured, ambient shrubs
- Complete failure to flower in *Chamaedaphne* in all elevated temp plots



Ambient



P19 +0, eCO₂



P13 +4.5, aCO₂



P17 +9, αCO_2

