

4. And there is obvious fungal damage, that remains unacknowledged, that is killing trees and probably attracting bark beetles.

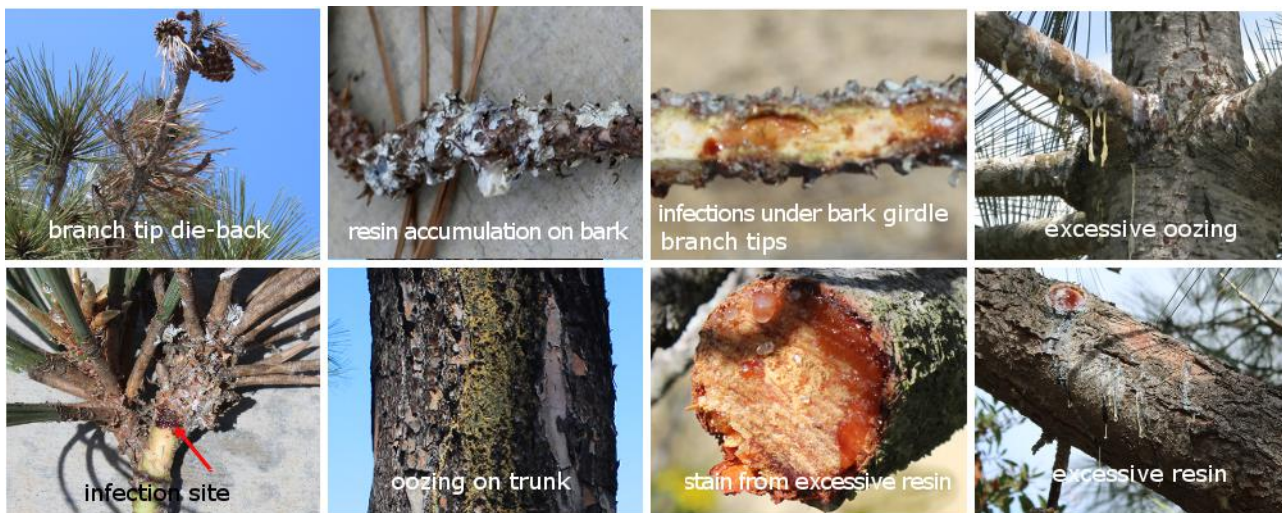


This is a comparison between bark beetle damage and fungal damage. Picture #1 is bark beetle damage and is identified by tunneling and sawdust under the bark. It died in the Reserve at the base of Highpoint Overlook in the spring of 2018. Picture #2 is fungal damage and is identified by oily and excessive resin, and dark stain. It died and was removed from Torrey Pines Golf Course in Apr 2018.

5. Below are more photos of fungal damage killing our Torrey Pine trees. They are all taken in the Reserve or Golf Course. I think it looks like pitch canker disease. Here are good websites that describe how to identify pitch canker disease:

<http://ipm.ucanr.edu/PMG/PESTNOTES/pn74107.html>

and [https://ufei.calpoly.edu/pitch\\_canker/identification.lasso](https://ufei.calpoly.edu/pitch_canker/identification.lasso).



#### Request

I request that the Community Forest Advisory Board, 1) acknowledge that there is damage in addition to drought and beetles killing trees in the Reserve and golf course, and 2) recommend taking steps to determine what it is.

More information is available at:

[www.TorreyPineTreesNeedaLabTest.net](http://www.TorreyPineTreesNeedaLabTest.net)