



# Ficus Tree Findings

Location 1 - 445 La Mesa

Location 2 - 605 Third Street



# Background

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445 La Mesa – Residential Call Regarding the Health of the tree triggered an evaluation of the cause of decline (Tree is now dead).

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605 Third Street (F1, F2, and F3) – Noticeable thinning and defoliation of the tree crowns and mild chlorosis triggered an evaluation of the tree (Trees are now in a state of recovery with little to no signs of decline).

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Roots, branches with attached leaves, and patches of trunk bark were sampled from the four trees.

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Samples were submitted to Waypoint analytical

# Findings



LEAF TISSUE FROM EACH OF THE FOUR SAMPLES WAS EXAMINED UNDER A DISSECTING SCOPE;



REVEALED MILD FIG WHITEFLY AND MEALYBUG ACTIVITY.



ABSENT FROM THE LEAVES WERE ANY SIGNS OF FUNGAL SPORULATION.



BRANCH AND TWIG TISSUES WERE FREE OF OBVIOUS VASCULAR STAINING AND CANKERS, AND SUPPLIED ROOTS WERE NOT PARTICULARLY ROTTED.



BARK TISSUE FROM TREE '445 F-3' HAD VISIBLE WHITE FUNGAL MATTS ASSOCIATED WITH IT, WHILE THE BARK FROM THE OTHER THREE DID NOT.

## Culture Plate Results

<b>Sample Id.</b>	<b>Pathogens from Roots</b>	<b>Pathogens from Bark</b>	<b>Pathogens from Branch</b>
<b>Ficus 445 F-3</b>	None	<i>Armillaria</i> spp.	None
<b>Ficus 605 F-1</b>	None	None	None
<b>Ficus 605 F-2</b>	None	None	None
<b>Ficus 605 F-3</b>	None	None	None

## Management Actions

**445 La Mesa** – Tree has since died and will be removed and replaced with a suitable species for the site.

- Remove as much of the infected stump and as many of the larger roots as possible
- Disturb as much of the surrounding soil as possible prior to planting and treat the soil with a biological fungicide that contains Trichoderma.
- After applying the Trichoderma, allow the area to stay fallow for a few months. During the fallow period try to maintain good soil moisture to encourage decomposition of root debris and Armillaria.
- Plant site with tree species that are tolerant of armillaria

**605 Third Street (F1,F2, and F3)** – Trees have generally recovered and appear to be in good health.

- Trees will be routinely monitored for signs of decline.
- Trees will be maintained on an as-needed basis per the annual Ficus pruning inspections.