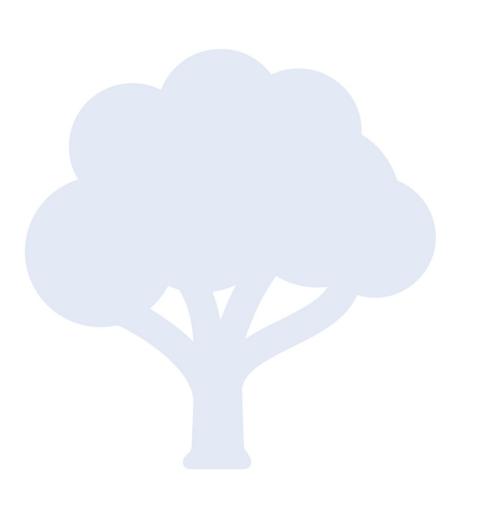


Ficus Tree Findings

Location 1 - 445 La Mesa

Location 2 - 605 Third Street



Background

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

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).

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

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

Sample Id.	Pathogens from Roots	Pathogens from Bark	Pathogens from Branch
Ficus 445 F-3	None	Armillaria spp.	None
Ficus 605 F-1	None	None	None
Ficus 605 F-2	None	None	None
Ficus 605 F-3	None	None	None

Management Actions

<u>445 La Mesa</u> – 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

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.