Scientific research has shown two treatments are effective for protecting elm trees from Dutch elm disease. This research shows that one treatment, Arbotect, is effective for 2.5-3 seasons of protection, whereas the other treatment, Alamo, is effective for just one season. Both of these treatments are applied by Macro-Infusion, a process where a large volume of solution is injected into the tree by drilling a series of holes into the root flares. Let's compare how the costs of the service and the impacts on the tree add up over time...

## **Example Elm Tree:** Arbotect is the industry standard and has been shown 99.5% effective for over 30 years A Mature Elm, 30" in diameter (at chest height) Note: Macro-Infusion requires 45 drill holes for a 30" diameter elm tree **Over 9 Years: Over 9 Years:** \$529 \$529 \$529 \$1,587 Arbotect treatments allow trees time to in Tree Arbotect required 270 "heal" wounds between applications less holes in 9 years Season 2 Season 3 Season 4 Season 5 Season 6 Season 7 Season 8 Season 9 Season 1 **Over 9 Years:** \$300 \$300 \$300 \$300 \$300 \$300 \$300 **Over 9 Years:** Tree owner ends up paying more & the increase in tree













Season 2

Season 3

Season 4

Season 5

Season 6



Season 7

Season 8

Season 9



wounding is significant

Annual treatments do not

to "heal" these wounds

allow enough time for trees