



Why it matters

Tree Survival





Trees Benefits



➤ Air Purifier:

- One mature tree in one day produces enough oxygen for four people/ day
- One tree removes 7,000 dust particles per liter of air per day.
- Along the roadside a 10% cover of trees will decrease ozone levels by 4 ppm (parts per million).



➤ Co₂ Mitigation:

- A tree absorbs 22 kilograms of carbon dioxide per year.



Trees - Benefits



Humidifiers:

- In one day **100 gallons of water** is taken from the ground and put into the air by one mature tree.

Run-off reducers:

- 5% tree cover added in a community = 2% reduction in runoff
- NYC = \$36 Mn
- Trees filter water
- Remove pollutants, oils, ethylene glycol, rubber dust, metal deposits, etc.



Mature Trees – what age?

70 X more air pollution/ yr. vs small, newly planted tree

SURVIVAL

7 years

Life Expectancy?





When is the Best Time to Plant?



*The best time to plant a tree was 20 years ago.
The second best time is now*

