

GROWING TREES MAKE GREAT NEIGHBORHOODS



Trees do more than just make our towns and cities look nice. They provide numerous benefits. Trees can...

MAKE US HEALTHIER AND SMARTER

- 1. Help us live longer**
Green spaces help reduce health complaints which in turn adds years to our lives, helping us live longer.
- 2. Provide play areas for kids**
Play is important for children. Trees and green spaces provide great areas for kids to play.
- 3. Make us go outside and walk more often**
Having green spaces around us makes us feel like getting out and walking more, which is a great form of exercise. Being outside also helps us get fresh air that makes us feel less stressed and more relaxed.
- 4. Help us reduce stress**
Research has shown that just looking at trees helps to reduce stress within just a few minutes.

- 5. Help us concentrate**
When we can see trees, we feel calmer. Being calm helps us to concentrate and pay attention.
- 6. Help students improve grades and test scores**
Research has shown that students who can see trees and greenery from their classroom windows tend to have better grades.
- 7. Shade us from the sun**
Trees protect us from the sun on hot days, helping to cool us off and also by providing a screen which helps guard against sunburn.
- 8. Clean the air**
Trees remove carbon dioxide from the air. They store the carbon in their trunks and branches and release oxygen for us to breathe.

- 9. Clean the water**
Trees help clean our water by stopping dirt and chemicals flowing into our drinking water.
- 10. Reduce heat in cities**
Cities are made up of buildings, roads and sidewalks, all things which absorb heat from the sun, making the city hotter. Trees provide shade and help keep our cities cool by shading buildings, roads and sidewalks, so that less heat is absorbed.
- 11. Reduce noise**
Too much noise can make us feel more stressed and makes it tougher to concentrate and to get a good sleep.

MAKE US SAFER

- 13. Slow down traffic**
Trees near roads help slow down traffic by making the road appear as if a street where people live and not a freeway. Slower traffic makes it safer for us to walk and also for other road users like bicycles.
- 14. Make places feel safer**
Trees make us feel at home so we spend more time outside and walk more often. This also helps keep us safe, as more people are out and about around us.
- 15. Reduce crime**
In housing developments with gardens and trees, crime rates drop. Places with high levels of green space had less property crimes (break-ins, vandalism, etc) and less violent crimes than those surrounded by empty, open spaces.

- 16. Protect us from the rain**
Trees can help us stay dry on a wet day by giving us a place to stay out of the rain. They also absorb a lot of water which is stored in their trunks and help reduce flooding.

HELP US SAVE AND MAKE MONEY

- 17. Save on heating and cooling costs**
Having trees near your home can help keep your heating costs down. Trees can stop cold wind and air from reaching your home, making it warmer inside.
- 18. Attract more customers**
People enjoy shopping more when there is greenery about. In fact, people like to go to shops that are lined with trees, which is great for the businesses in the area.

- 19. Create jobs**
Trees create jobs of many skill levels and incomes. People can work in nurseries growing trees, have landscaping jobs, or work to keep trees safe and healthy. Other jobs with trees include working for a city or county as an arborist or urban forester.

- 1. Help us live longer**
- 2. Provide play areas for kids**
- 3. Make us go outside and walk more often**
- 4. Help us reduce stress**
- 5. Help us concentrate**
- 6. Help students improve grades and test scores**
- 7. Shade us from the sun**
- 8. Clean the air**
- 9. Clean the water**
- 10. Reduce heat in cities**
- 11. Reduce noise**
- 13. Slow down traffic**
- 14. Make places feel safer**
- 15. Reduce crime**
- 16. Protect us from the rain**
- 17. Save on heating and cooling costs**
- 18. Attract more customers**
- 19. Create jobs**

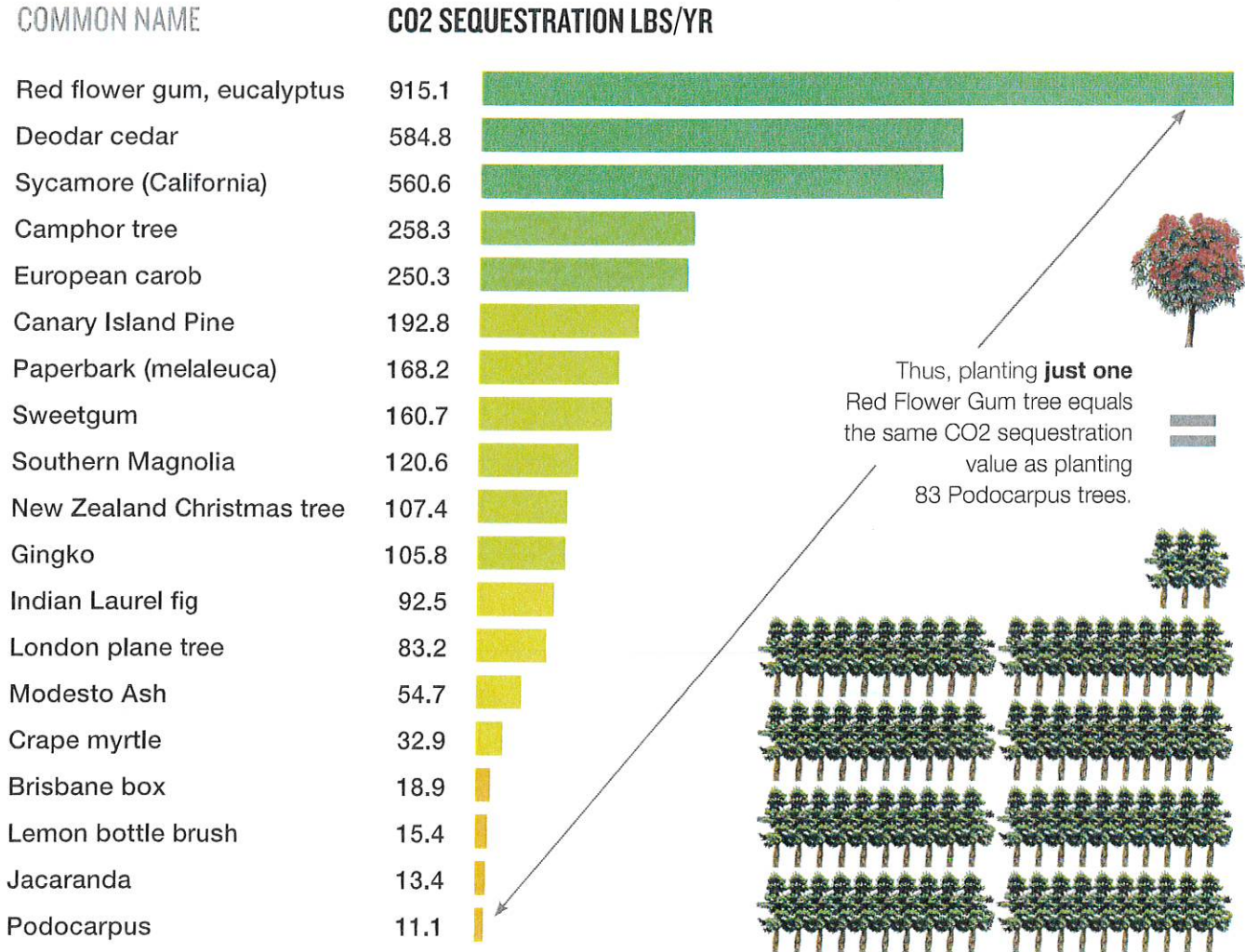


BENEFITS OF TREES

1. Help us live longer
2. Provide play areas for kids
3. Make us go outside and walk more often
4. Help us reduce stress
5. Help us concentrate
6. Help students improve grades and test scores
7. Shade us from the sun
8. Clean the air
9. Clean the water
10. Reduce heat in cities
11. Reduce noise
13. Slow down traffic
14. Make places feel safer
15. Reduce crime
16. Protect us from the rain
17. Save on heating and cooling costs
18. Create jobs
19. Attract more customers



TREES RANKED BY CARBON SEQUESTRATION VALUE



ALPHABETIC BY TREE NAME

Common Name	CO2 Sequestration lbs/yr	Common Name	CO2 Sequestration lbs/yr
Brisbane box	18.9	London plane tree	83.2
Camphor tree	258.3	Modesto Ash	54.7
Canary Island Pine	192.8	New Zealand Christmas tree	107.4
Crape myrtle	32.9	Paperbark (melaleuca)	168.2
Deodar cedar	584.8	Podocarpus	11.1
European carob	250.3	Red flower gum, eucalyptus	915.1
Gingko	105.8	Southern Magnolia	120.6
Indian Laurel fig	92.5	Sweetgum	160.7
Jacaranda	13.4	Sycamore (California)	560.6
Lemon bottle brush	15.4		

Cal Fire Carbon Sequestration by tree Common Name

<u>Common Name</u>	<u>CO2 Sequestration</u>
Brisbane box	18.9 lbs/tree/yr
Camphor tree	258.3 lbs/tree/yr
Canary Island Pine	192.8 lbs/tree/yr
Crape myrtle	32.9 lbs/tree/yr
Deodar cedar	584.8 lbs/tree/yr
European carob	250.3 lbs/tree/yr
Gingko	105.8 lbs/tree/yr
Indian Laurel fig	92.5 lbs/tree/yr
Jacaranda	13.4 lbs/tree/yr
Lemon bottle brush	15.4 lbs/tree/yr
London plane tree	83.2 lbs/tree/yr
Modesto Ash	54.7 lbs/tree/yr
New Zealand Christmas tree	107.4 lbs/tree/yr
Paperbark (melaleuca)	168.2 lbs/tree/yr
Podocarpus	11.1 lbs/tree/yr
Red flower gum, eucalyptus	915.1 lbs/tree/yr
Southern Magnolia	120.6 lbs/tree/yr
Sweetgum	160.7 lbs/tree/yr
Sycamore (California)	560.6 lbs/tree/yr

These calculations are based on planting a 7 year old tree for carbon sequestration per year in lbs/tree/year. The calculations were derived from Cal Fire from their collections from 2015-16.