

22 benefits of urban street trees by dan burden michigan

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22 Benefits of Urban Street Trees

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Trees are a vital part of any urban ecosystem. They provide numerous benefits to people and the environment, including:

1. Improved air quality

Trees remove air pollutants, such as ozone, nitrogen dioxide, and particulate matter, from the air. This can help to improve respiratory health and reduce the risk of heart disease, stroke, and other health problems.

2. Reduced heat island effect

Trees provide shade, which can help to reduce the temperature of urban areas. This can help to make cities more comfortable and reduce energy costs.

3. Improved stormwater management

Trees help to absorb and filter stormwater runoff, which can help to reduce flooding and improve water quality.

4. Increased property values

Trees can increase the value of homes and businesses. Studies have shown that homes with trees can sell for up to 20% more than homes without trees.

5. Improved mental health

Trees have been shown to have a positive impact on mental health. They can reduce stress, anxiety, and depression, and improve mood.

6. Increased physical activity

Trees can encourage people to be more physically active. Studies have shown that people who live in areas with more trees are more likely to walk, bike, and play outdoors.

7. Reduced crime

Trees have been shown to have a calming effect on people, which can help to reduce crime. Studies have shown that areas with more trees have lower rates of crime.

8. Increased social interaction

Trees can help to create a sense of community and encourage people to interact with each other. Studies have shown that people who live in areas with more trees are more likely to talk to their neighbors and participate in community activities.

9. Improved wildlife habitat

Trees provide food and shelter for a variety of wildlife, including birds, squirrels, and bats.

10. Increased biodiversity

Trees help to increase biodiversity in urban areas. A variety of tree species can support a wide range of plants and animals.

11. Reduced noise pollution

Trees can help to reduce noise pollution by absorbing sound waves. This can make urban areas more peaceful and relaxing.

12. Improved air flow

Trees can help to improve air flow in urban areas. This can help to reduce stagnant air and improve air quality.

13. Reduced glare

Trees can help to reduce glare from the sun. This can be beneficial for people who live or work in areas with a lot of sunlight.

14. Increased energy efficiency

Trees can help to reduce energy costs by providing shade in the summer and reducing wind speed in the winter.

15. Improved water infiltration

Trees help to improve water infiltration into the ground. This can help to reduce flooding and improve groundwater recharge.

16. Increased carbon sequestration

Trees absorb carbon dioxide from the air and store it in their trunks and branches. This helps to reduce greenhouse gas emissions and combat climate change.

17. Improved soil quality

Trees help to improve soil quality by adding organic matter and nutrients to the soil. This can help to support plant growth and reduce soil erosion.

18. Increased tree canopy coverage

Tree canopy coverage is the amount of land that is covered by trees. Increasing tree canopy coverage can help to provide all of the benefits listed above.

19. Reduced stormwater runoff

Trees help to reduce stormwater runoff by absorbing and filtering water. This can help to prevent flooding and improve water quality.

20. Increased biodiversity

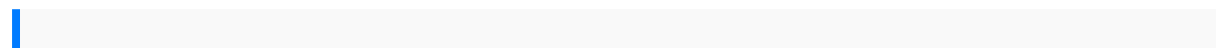
Trees help to increase biodiversity by providing food and shelter for a variety of wildlife.

21. Improved air quality

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