

# Trees grow miracles.



**As the climate changes, we need to plant and protect trees, now more than ever.**

**Trees absorb carbon dioxide from the atmosphere.**

Planting 2 billion trees sequesters 30,672,000 tonnes of carbon over 100 years.

**Trees release oxygen into the atmosphere.**

Planting 2 billion trees produces 5,200,000,000 lbs of oxygen annually.

**Trees store carbon.**

The world's forests are significant carbon "sinks" that slow the rate of climate change.

**Trees filter dust and pollutants from the air.**

Leaves and bark trap harmful airborne particulate matter.

**Trees reduce smog and air pollution.** By absorbing nitrous oxides and other pollutants, trees "cleanse" the air.

**Trees prevent soil erosion.**

The roots of trees hold soil in place on slopes.

**Trees help prevent soil compaction.**

Healthy soils depend on the air pockets created by roots.

**Trees regenerate our soils.**

The living systems of trees regenerate our soils.

**Trees help prevent flooding.**

By enhancing infiltration to groundwater, trees reduce run-off from extreme weather events.

**Trees are essential for building and sustaining biodiversity.**

Native trees host moth and butterfly species, an essential foundation of Biodiversity.

**Trees protect us from the sun's UV-B rays.**

Shade reduces our exposure to the UV-B rays that cause skin cancer.

**Trees are medicine.**

Many pharmaceuticals are derived from trees.

**Trees reduce cancer, diabetes and asthma rates, and lower our stress levels.**

The positive health benefits of trees are connected with many major diseases.

**Trees reduce high blood pressure.**

Greenspaces calm us, slowing our heart rates and lowering our blood pressure.

**Trees contribute to mental health.**

Being surrounded by trees makes us feel better.

**Trees are good for kids.**

The more trees in our neighbourhoods, the healthier our children are.

**Trees strengthen communities.**

The character of our communities and our sense of identity and place are bolstered by trees.

**Trees enhance our neighbourhoods.**

The more trees, the better we feel about where we live.

**Trees reduce crime and violence.**

More tree cover equals less crime in our communities.

**Trees increase property values.**

The value of our properties increases with the presence of trees.

**Trees attract tourists.**

Leafy cities draw visitors, and increase tourism dollars.

**Trees reduce noise pollution.**

Urban sounds are muffled by trees, creating comfortable living conditions.

**Trees reduce heating costs in winter.**

Evergreen trees insulate our houses, saving us money.

**Trees reduce air conditioning costs in summer.**

Trees shade our houses, saving us money.

**Trees buffer the wind.**

Protection from wind enhances our comfort.

**Trees enhance road safety in winter.**

By trapping drifting snow along highways, trees make our roads safer.

**Trees cool our cities.**

Canopy cover reduces the “urban heat island effect.”

**Trees release water back into the atmosphere.**

2 billion trees will release more than 3,000 Olympic size swimming pools of water into the atmosphere every day.

**Trees moderate air temperatures.**

By releasing water vapour into the air, trees moderate extreme heat.

**Trees shelter wildlife.**

Many creatures, such as birds and insects, make their homes, and escape from predators, in trees.

**Trees are essential to wildlife. (Other than just shelter)**

Trees supply food, homes and shelter to birds, insects and small animals.

**Trees are important for pollinators.**

Insects depend on trees for pollen and nectar.

**Trees provide food for humans.**

The fruit and nuts of many tree species are important staples in our diets.

**Trees create clean drinking water.**

By filtering rainwater, trees replenish groundwater drinking sources.

**Trees are spiritually uplifting.**

In many religious traditions, trees hold important spiritual value.

**Trees connect us with history.** Some of the oldest living entities on earth are trees.**Trees are beautiful!**

The aesthetic value of trees is beyond measure.

**Quite simply, trees are crucial for all life on earth.**

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