

Benefits Of Healthy, Well-Maintained Lawns

Provided by The Grasshopper Company



Traditional lawns and their maintenance are under the microscope with regard to clean air and sustainability, specifically with regard to water consumption and emissions from grounds maintenance equipment. Many well-intentioned conservationists suggest letting grass simply grow wild, or to replace traditional lawns with xeriscapes, such as rocks or desert-like materials.

However, scientific data points out the many benefits of healthy, well-maintained lawns. Below are 10 ways healthy turf areas positively affect air quality and sustainability:

- 1) Turf areas **emit oxygen and sequester Carbon Dioxide (CO₂)** – a greenhouse gas – through photosynthesis.
- 2) Turf areas are a CO₂ sink. They **absorb at least 4 times the amount of CO₂** than what is emitted by well-maintained, fuel-efficient lawn equipment
- 3) Well-maintained turf areas **produce more oxygen and absorb more CO₂** than poorly maintained or untamed turf. Full and healthy turf areas have a higher rate of photosynthesis than turf areas that are sparse congested.
- 4) Turf areas are a heat sink. They **reduce ambient temperatures** around buildings, providing more comfort and less demand on air conditioning; thus less energy use.
- 5) Well-maintained turf **captures and helps decompose dust particles** that would otherwise circulate in the air.
- 6) Well-maintained turf **provides better water absorption and less runoff** into storm sewers.
- 7) Turf areas **assist in recharging ground water** and minimizing flood risks.
- 8) Well-maintained turf is **aesthetically pleasing** and has proven to **increase property value**. Companies and institutions with well-maintained landscaping realize increased trust and confidence from their consumer bases and constituencies.
- 9) Several studies have detailed the **psychological benefits** provided by well-maintained turf areas.
- 10) Choosing the right grounds equipment to maintain turf areas can increase these benefits over time via fuel savings and emissions reductions. Tier 4i-compliant Grasshopper MaxTorque™ Clean Diesel equipment uses half the fuel of conventional gasoline mowers, operating more efficiently and reducing overall emissions.

Learn more about Grasshopper MaxTorque™ diesel equipment at GrasshopperDiesel.com.