

# Comparison of Annual CO2 Emissions and Fuel Savings

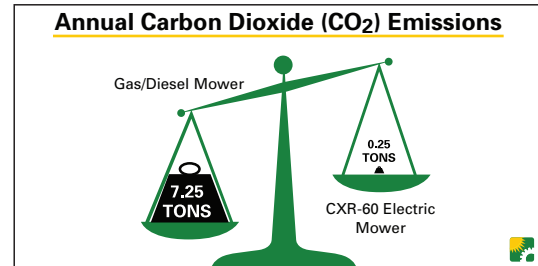
## Gas/Diesel Mower vs. Electric High Performance Mower

### Enter Your Data

Operating hours per day	<input type="text"/>
Operating days per week	<input type="text"/>
Operating weeks per year	<input type="text"/>
Fuel cost (per gallon)	<input type="text"/>
Deck width (inches)	<input type="text"/>
Average mowing speed (mph)	<input type="text"/>
Number of mows per season	<input type="text"/>
Gallons fuel per hour	<input type="text"/>

## Annual Savings Using CXR-60 Electric Mower

Fuel cost savings	<input type="text"/>
CO2 savings	<input type="text"/>



### Calculations

**Gas/Diesel Mower**

Operating hours per year <small>=hours X days X weeks</small>	<input type="text"/>
Annual fuel use (gallons) <small>=annual hours X gallons per hour</small>	<input type="text"/>
Annual fuel cost <small>=annual fuel use X fuel cost</small>	<input type="text"/>
Mowing speed - acres per hour <small>=deck width X speed / acre</small>	<input type="text"/>
Annual fuel consumption per acre <small>=fuel per hour / acres per hour X number of mows</small>	<input type="text"/>
Annual CO2 emissions per acre <small>=fuel consumption per acre X 21lbs CO2 per gallon</small>	<input type="text"/> lbs
Your CO2 emissions each year <small>=annual fuel use X 21lbs per gallon (converted to tons)</small>	<input type="text"/> Tons

**Electric CXR-60 Mower**

Operating hours per year	<input type="text"/>
Equivalent electricity use kWh	<input type="text"/>
Annual electricity cost	<input type="text"/>
Mowing speed - acres per hour	<input type="text"/>
Annual kWhs per acre	<input type="text"/>
Annual CO2 emissions per acre	<input type="text"/> lbs
Electric CO2 emissions each year	<input type="text"/> Tons

An Excel spreadsheet that allows you to compare the CO2 emissions and fuel consumption of a diesel/gas mower with a high-performance electric mower can be seen at <https://www.ecoequipmentsupply.com/why-electric/>

The notes and assumptions for the calculations can be seen at <https://www.ecoequipmentsupply.com/why-electric/notes/>



**Eco-Equipment Supply**

[ecoequipmentsupply.com](https://www.ecoequipmentsupply.com)

(802) 363-3930