



## ELECTRIC LAWN AND FARM EQUIPMENT

In addition to light-, medium- and heavy-duty vehicles, related applications are going electric as well. In particular, battery-powered lawn and farm equipment is growing in popularity as technology improves and costs drop.

Today, many battery-powered models compete directly with gas-powered versions and have benefits that make them highly attractive. In addition, the batteries of many tools can often be used across products if you buy from the same manufacturer, which saves money and space. Be on the lookout for offerings from Ego, Ryobi, Greenworks, Black & Decker, Kobalt, Craftsman and others.

### EXAMPLES

**Lawn Mowers:** Battery-powered lawn mowers come in many shapes and sizes. Most have been of the walk-behind or robotic variety for smaller acreage, but battery-powered riding and zero turn mowers are also available for a variety of uses on larger lots of land.



**Leaf Blowers, Trimmers, Chainsaws, etc.:** These additional yard tools also come in battery-powered versions and can get the job done as well as their gas-powered counterparts.



## BENEFITS

The benefits you'll see with battery-powered lawn and farm equipment are similar to what you would experience with other forms of electric transportation.

**Convenience and Maintenance:** No starting difficulties and no oil changes, belts, spark plugs or filters mean less time maintaining your machine and more time getting work done (and no more shoulder injuries). Just push a button, and off you go.

**Cleanliness:** Battery-powered tools produce no exhaust or emissions, and there is zero gasoline to deal with, so they are cleaner for you and the environment. No more mixing gas, gas spills on you or your lawn, separate tanks for different fuel ratios, trips to the gas station or gas fumes in the garage.

**Lower Operating Costs:** The upfront cost of battery-powered technologies is still often higher than similar gasoline versions. But with reduced maintenance and fuel costs, they are cheaper to operate.

**Quiet Performance:** Battery-powered equipment produces significantly less noise and vibration than gas-powered models, so you can work outside whenever you want and not worry about upsetting neighbors or waking kids.

*This article was provided by Advanced Energy, a nonprofit energy consulting firm.  
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