



DRIVE ELECTRIC ON YOUR FARM

With all the buzz about electric vehicles (EVs) lately, you'd think they were only for passenger vehicles. But did you know the farming industry is abuzz with vehicle electrification, too?

The global farm machinery market is expected to grow from \$184 billion in 2020 to \$202 billion in 2021 and \$277 billion in 2025. Electric farm equipment, like tractors, combines, and forklifts, is expected to be an emerging trend in the market.

WHY USE ELECTRIC FARM EQUIPMENT?

Electric farm equipment is quieter and cleaner than their diesel or gasoline counterparts. And with fewer moving parts, you can expect less maintenance time and costs with electric farm equipment.

Electric motors operate at a much higher efficiency than diesel or gasoline motors - 90% electric motor efficiency vs. 30-40% diesel motor efficiency. With Wisconsin farmers spending \$380 million on fuels in 2019, there is potential for tremendous savings by switching to electric.

And at the end of the day, there's no need to refill your gas tank. Simply plug in your piece of electric equipment and let it charge while you rest.

AVAILABLE ELECTRIC FARM EQUIPMENT

More models on the way! See manufacturers for more details.



SOLETRACT EFARMER ELECTRIC TRACTOR

HORSEPOWER: 30 HP (22kW) Diesel Equivalent / 22HP (16kW) Power Take Off OPERATING TIME: 4-8 hours with 28 kWh battery pack (varies depending on load) LOW-LIFT FRONT LOADER: 750 lbs Lifting Capacity LIFTING FORCE: 1000 lbs Dynamic, 3000 lbs Static



MONARCH ALL-ELECTRIC TRACTOR

PEAK POWER: 70 HP OPERATING TIME: 10+ hours LIFT CAPACITY: 2200lbs



POLARIS RANGE EV UTILITY VEHICLE

PEAK POWER: 30 HP PAYLOAD CAPACITY: 1,000 lb TOWING CAPACITY: 1,500 lb



JOHN DEERE TE 4X2 ELECTRIC UTILITY VEHICLE

TOWING CAPACITY: Up to 900 lbs CARGO BOX HAULING CAPACITY: Up to 500 lbs
Work an 8-hour workday on a single charge.



FORD F-150 LIGHTNING ALL-ELECTRIC PICK-UP TRUCK *COMING SOON!

TOWING CAPACITY: Up to 10,000lbs HORSEPOWER: 426/563 PEAK TORQUE: 775 lbs-ft

STICKER SHOCK?

Converting to electric farm equipment can be costly, both in up-front costs and any rewiring that may be required for your farm.

That's why some utilities, like Alliant Energy, offer up to \$1000 in rebates for electric forklifts, and others, like Xcel Energy, offer up to \$10,000 in farm rewiring grants.

Ask your local utility or electric cooperative to learn more about local or federal programs to help reduce the costs of electric farm equipment.

RENEWWISCONSIN.ORG