

Our Commitment to Responsible Environmental Practices

Consistent with the principles on which we were founded, The Toro Company is committed to helping customers enrich the beauty, productivity and sustainability of the land with innovative turf maintenance equipment and precision irrigation systems. At the same time, we employ strategies and practices to protect, support and enhance the human and natural resources important to our future.

Product Innovation

We thrive on innovation. From our beginnings in 1914, we built our name and following by providing innovative solutions to customers' agricultural and turf care needs. Today, this rich legacy continues as we strive every day to develop exciting new products and services that yield performance, productivity and environmental benefits to our customers.

- Toro's Center for Advanced Turf Technology (CATT) has responsibility for exploring technologies that benefit both customers and the environment. In working with customers, academic institutions and leading researchers, this group has brought to market products that increase productivity, save water, reduce fuel consumption, and improve growing conditions. CATT has also laid the foundation for future innovations in robotics, fuel cells, advanced battery technologies, precision irrigation, and soil moisture sensing.
- In 2010, Toro partnered with ATK to develop two utility vehicles powered by advanced hydrogen storage technology. Similar to what Toro successfully demonstrated as part of a three-year project with the New York State Energy Research and Development Authority (NYSERDA), these prototype vehicles were delivered to the U.S. Defense Logistics Agency for operational demonstration.
- Conducting advanced work in alternative fuels like hydrogen, biofuels, propane, and battery technologies.
 - Toro's Greensmaster® e-Flex™ walk greens mower, the industry's first lithium ion battery-powered machine, can cut up to nine greens on a single charge.
 - Toro's Greensmaster® TriFlex™ Hybrid riding greens mower features an all-electric reel drive system.
 - Toro and Exmark propane-powered professional mowing equipment utilize a cleaner-burning fuel that can reduce maintenance cost and extend engine life.
 - For homeowners, Toro's e-Cycler™ cordless electric mower provides superior mulching performance and can take on lawns up to one-quarter of an acre on a single charge.
 - Toro and Exmark were the first in the turf industry to approve B20 biodiesel fuel for most commercial and landscape contractor maintenance equipment.
- Compliant with applicable worldwide exhaust and evaporative emission standards set forth by the U.S. Environmental Protection Agency, California Air Resources Board, and the European Union.
 - For gasoline-powered products:*
 - The EPA's Phase 3 emission standards for small off-road engines are expected to reduce exhaust hydrocarbons by about 35 percent – and evaporative emissions by 45 percent.
 - Product changes include low permeation fuel lines and tanks, sealed and tethered fuel caps, carbon canisters, and other modifications – in accordance with CARB and EPA guidelines.
 - For diesel-powered products:*
 - We continue to explore the best technological and economical solutions to meet the EPA's Tier 4 off-road diesel emission regulations.
- Our proprietary Recycler® cutting system mulches grass clippings into fine particles to return vital nutrients and moisture back to the soil, helping reduce yard waste in landfills.

Precision Irrigation

Our proprietary water-saving irrigation technologies continue to revolutionize the precision irrigation field and advance our position in this critical space.

- Developed advanced solutions that assess site conditions including soil properties, plant health, topography, and irrigation efficiency to help customers better manage resources and turf conditions.
- Toro's Precision™ Series spray nozzles – with patented H²O chip technology – represent the most significant breakthrough in spray nozzle technology in over 60 years. Invisible to the naked eye, water streams oscillate at over 200 cycles per second to generate a more consistent droplet size to reduce runoff and provide up to 30% water savings.

The TORO logo is a red square with the word "TORO" in white, bold, sans-serif capital letters. A registered trademark symbol (®) is located at the bottom right of the word.

- Toro's Turf Guard® wireless soil monitoring system helps customers make more informed decisions on managing turf health and water usage.
- Irritrol's Climate Logic™ weather sensing system measures temperature and solar exposure, and then automatically adjusts irrigation run times to save water and energy.
- Irritrol's Rain Master® Eagle Plus™ controller delivers weather-based scheduling, advanced flow monitoring, and real-time alerts directly to a mobile device to ensure optimal water savings and increased productivity.
- For growers of vegetables, field crops, orchards and vineyards, Toro's patented Aqua-Traxx® tape and other innovative drip technologies help customers worldwide precisely irrigate crops to save water while improving yields and quality.
- With global concerns surrounding water availability and cost, Toro's WaterSmart® Symposium brings together customers and industry experts to discuss resource challenges, improved management practices, and advanced irrigation technologies.

Recycling Programs

- Recycling program converts used irrigation drip tape into reusable products like garbage bags, plastic lumber and highway barriers. *(El Cajon, CA; Italy; and Australia)*
- On a global level, the company and its distributor partners are actively involved in various product take-back and recycling programs.

Operational Efficiency

Our focus remains constant on eliminating waste and increasing efficiencies in our operations.

- Our Riverside irrigation testing facility includes a closed-loop system that utilizes filtered, recycled water to minimize overall water and energy consumption. *(Riverside, CA)*
- Toro installed new exhaust scrubbing technology at its engineering test facility to reduce carbon monoxide and other contaminants by more than 90 percent. *(Bloomington, MN)*
- All worldwide manufacturing facilities recycle steel, aluminum, plastics, cardboard packaging and paper.
- Recover and reuse powder (paint) coating at manufacturing sites.
- Recycle water used in production through a wastewater treatment system. *(Tomah, WI; Windom, MN)*
- Replacing inefficient lighting fixtures at many facilities to pursue energy savings.
- Recycle and reuse 90+ percent of plastic waste generated by manufacturing drip irrigation products. *(El Cajon, CA; Australia; and Italy)*
- Rainwater collection and redistribution system to irrigate garden and grounds. *(Australia)*
- Transport product components from suppliers to our facilities in returnable, reusable packaging.
- Transport many professional products in returnable, reusable steel crating to reduce wood packaging waste.

Community

The Toro Giving Program has built a legacy of environmental, educational and community support that is deeply rooted in our culture.

- Provide annual financial support to environmental organizations.
- Host employee activities to renovate parks and restore lakes, rivers and landscapes to their natural beauty.
- Support environmental research projects on the precision application of water and chemicals. *(Environmental Institute for Golf; Northern California Golf Association)*
- Educate individuals of all ages on environmental issues. *(Irrigation Foundation, Alliance for Water Efficiency, The First Tee, and Audubon International)*
- Fund turf management research programs at leading academic institutions to improve product efficiency and productivity.
- Donate turf equipment and precision irrigation technologies to nonprofits to maintain their landscapes and reduce water use.

