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slicer and optional rake bar. *Landscaper 4* and *6* are also available. The *Rake-O Vac* rakes, vacuums, renovates and conditions turf and can be used on hard surfaces. The *Trojan 3* all-purpose maintenance machine is a snow blower, snow grader, leaf blower, leaf mulcher and rotary broom. Powered by a 14hp Kohler engine, it has a 60-inch *Whirlwind* rotary cutter, electric starter, power steering.

**Turf-Vac Corp.** features *Model-FM5* and *Model 70* from its line of turf sweepers. *FM5* has a sweep of five feet, a hopper capacity of five cubic yards, 12hp engine and comes with accessories such as a 14hp engine, electric starter and scoop brush. *Model 70's* hopper capacity is 38 cubic yards.

**Vandermolen Corp.** introduces the 7-11 *Fastblo* wheeled blower which has a 180 mph airblast, weighs 48 pounds and does not use crankcase oil. Another product in the line is a portable gas-powered knapsack blower, available now with a tank which allows two hours of operation without refilling. This blower generates a 225 mph airblast, weighs 19 pounds and comes with an optional sprayer kit. Van Der Molen also markets the *Diadem 290* spreader and seeder which is finished in a new epoxy plastic.

**Vermeer Mfg. Company** makes the *Tree Spade* line of tree removers for commercial use. Available in six models, ranging from a trailer-mounted "mini-spade," which removes and transplants trees up to three inches in diameter, shrubs and

\*Information unavailable at press time

bushes, to a remover which can dig a tree ball 66 inches in diameter and can move trees up to six inches in diameter. Also available are seven models of stump cutters.

## Maintenance vehicles

**Bruce Mfg., Inc.**, has improved the 1971 models of *Pug* four-wheel drive utility vehicles by adding more powerful, quieter engines and new options. The vehicles can carry up to 1,500 pounds or seven adults plus the driver.

**Cushman Motors** has the *Turf Truckster* line of transportation and light hauling vehicles. The four-wheel models are equipped with 18hp gasoline engines, automotive steering and four-wheel hydraulic brakes. Options include a windshield, fiberglass cab with folding doors and rear view mirror.

**Ford Motor Company** offers new this year a 14hp hydrostatic lawn and garden tractor (*Model 145*), a 12hp hydrostatic tractor (*Model 125*), a gear-driven tractor (*Model 120*) and a 10hp, gear-driven tractor (*Model 100*). All models feature new design Kohler engines, tubular frames arched at the center for added ground clearance and automotive-type worm-gear steering. Other features include large rotary mowers up to 50 inches, large dozer blades, snow blowers and tiller and a quick hitch system. Also shown will be the *Model 340* compact loader.

**Harley-Davidson Motor Company** features its 1972 *Utilicar* model, which has a wheelbase of 70.5 inches; an over-all length of 98.5 inches; an over-all width of 42.35 inches and an over-all height of 38 inches. Six body styles are available, all gasoline powered, all three-wheeled.

### \*Hawaiian Motor Company

**International Harvester Company** introduces the 46hp *International 2400A* industrial tractor and a *No. 71 Industrial Mower*. The *2400A* is available in a regular and Lo-Boy version with a four-speed, synchronized, constant mesh spur gear transmission and can be used for mowing, blade work, scari-



fyng and scraping, loading and backhoe operations. Also to be show is the new 14hp *International 149 Cub Cadet* hydrostatic drive tractor with a new *No. 1 Sand Trap Rake* attachment. The 72-inch rake has two gangs; the front to break up crust and stir up weeds, the rear to smooth out the sand. The *149 Cub Cadet* is equipped with flotation tires. The 15hp *International Cub 154 Lo-Boy* tractor will be shown with an *International 3260* rotary mower and is designed for grounds maintenance and landscaping.

**Smithco, Inc.**, introduces eight and 10hp models of the *Red Rider* work cart with number 50 chain and new handle bars. The *Big Red* work cart is a larger version of the *Red Rider* and has a capacity of 29 cubic feet; the over-all width is 74 inches.

## Mowers

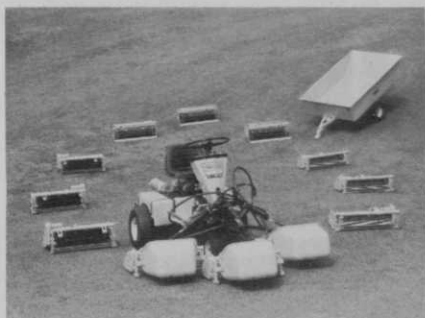
**Bunton Company's** *Model 36HDW-10TCI* is a heavy-duty mower designed and built for rough terrain and high cutting. It features dual traction and extra large caster wheels and has a 10hp engine.

**Excel Industries, Inc.**, makes the *XL-272 Hydrostatic Hustler Multi-Mower* which features as standard an 18hp Kohler, two-cycle air-cooled engine, hydrostatic transmission for each drive wheel, attachment hitch, electric clutch and locking attachment for parking, among others. The mower attachment cuts a 70½ inch wide swath, has three 24-inch blades, which have a cutting height of from two to five inches in three-eighths increments.

**Hahn-West Point Div.** offers the *Tournament Triplex Greens Man-*  
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agement System, capable of greens cutting, tee and collar mowing, spiking and verti-cutting. The self-propelled unit can be changed from one operation to another in a few minutes, according to the company. The cutting units are driven by flexible cables, thereby eliminating the possibility of greens damage due to hydraulic hose ruptures.

#### \*Jacobsen Mfg. Company

**Locke Mfg. Div.**, offers the *Maxi* riding mower with a 10 hp Kohler engine, and the *Triplex* lawn mower, which comes optional for riding.

**Mott Corp.** has new for 1972 the *Expediter* mower, which cuts a width of 18 feet, 10 inches when complete. Height of cut can be adjusted and ranges from three-quarters inch to six inches. Standard features include heavy-duty front bumper, positive lock transport position, independent operation of three mowers and totally enclosed drive.

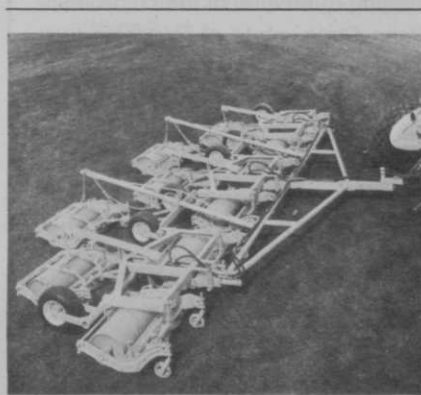


**National Mower Company** offers 68-inch and 84-inch triplex mowers. The 68-inch mower runs up to four miles an hour in forward and re-

verse, has traction, wing mower and rear mower clutches, power-driven free-floating reels and automotive-type differential. The 84-inch mower cuts at speeds of up to five miles an hour. Transport speed is 14 miles an hour. It has automotive-type differential, an extra long lip on bed knife, power-driven, free-floating reels and climbs a 40-degree grade. Gears are machined from solid steel.

**Ransomes Sims & Jeffries, Ltd.**, imported from England by Warren's Turf Nursery, features its *Hydraulic Power 5/7 Gang* fairway mower. The seven gang unit can cut a swath 15 feet wide; the five-gang unit cuts swaths 11 feet wide. There is a choice of seven height-of-cut positions, ranging from one-half inch to three inches.

#### \*Roof Mfg. Company



**Roseman Mower Corp.** introduces an 11-gang hydraulic lift-type mower. Cutting width is 24 feet or about 30 inches per unit. Height of cut is about one-half to three inches. The mower can be used with any utility-type tractor equipped with a hydraulic system.

**The Toro Company** announces new accessory attachments for its *Greensmaster 3* triplex greens mower: a roller cleaner and thatching reels.

#### Turf products

**Agrico Chemical Div.**, Continental Oil Company, offers *Agrico Country Club* and *Gold Cup* fertilizers.

**Agway, Inc.**, makes the *Agway* line of fertilizers, chemicals and seed.

#### \*American Research Corp.

**Applied Biochemists, Inc.**, offers *Cutrine*, an algacide for lakes and ponds.

**Aquatrols Corp. of America** offers *Aqua-Gro* and *Aqua-T* soil wetting agents.

**Chanderlin Seed Company**, Div. of Loft Seed Company, offers fine turfgrass seeds.



**Chemagro Div.**, Baychem Corp., offers *Baygon 70% Wettable Powder* for control of flies and mosquitoes; *Dexon 35% Wettable Powder*, a non-mercurial fungicide for controlling *Phytophthora* and *Pythium* on lawns and turf and *Dyrene 50% Wettable Powder* for controlling leaf spot, copper spot, *Sclerotinia* dollar spot, *Typhula* snow mold, rust and brown patch.

**Chipman Div.**, Rhodia, Inc., offers the *Chipco* line of turf products. *Turf Kleen* controls broadleaf weeds and comes in 30 and five-gallon drums and in one-gallon cans packed six in a case. *Turf Herbicide MCPP* controls surface-creeping broadleaf weeds, such as clover, chickweed, stitchwort, ground ivy and knotweed. *Microgreen*, a water-soluble blend of metal complexes of iron, zinc and manganese, corrects turf nutritional deficiencies. It comes in 50 pound bags and four-pound bags, 12 in a case. *Wetter Water* is a non-ionic wetting agent.

**W.A. Cleary Corp.** offers a non-toxic wettable powder fungicide called *Cleary's 3336* for control of cadmium-resistant dollar spot, copper spot, brown patch, *Helminthosporium*,  
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\*Information unavailable at press time