

Corona Clipper Co., 14200 E. 6th, Corona, Calif. 91720
tree and ornamental care and pruning equipment

Correct Mfg., Hughes Keenan Div., P.O. Box 689, Delaware, Ohio 43015

Sky-Worker, aerial bucket—reaches up to 71 ft., horizontal to 45 ft.

Coursigns, Inc., 6500 N. Clark, Chicago, Ill. 60626

Stakes, Signs, Rope, plastic stakes and signs to direct golfers and golf carts, and to rope off repair areas of golf courses

Sand Trap Rake, specially designed for golf course use

Creative Sales, Inc., 200 South Main St., Fremont, Nebraska 68025

Tree systems—medicaps, systemic tree trunk injection

Cresline Plastic Pipe Co., Inc., 955 Diamond Ave., Evansville, Ind. 47717

Cres-line, PVC pipe and fittings

Curtis Dyna Products Corporation, P.O. Box 297, Westfield, Indiana 46074

Dyna Fogger, thermal fogger

BP-145, backpack sprayer, duster

Cushman, OMC-Lincoln, 1401 Cushman Drive, Lincoln, Nebraska 68512

Cushman turf care system, 12 hp and 18 hp gasoline vehicles for turf care

Cyclone Seeder Co., Inc., Urbana, Ind. 46990

Seeders

D

Dadco, P.O. Box 2086, Fresno, Calif. 93719

Dadco, battery clamps

Ross Daniels, Inc., 1720 Fuller Road, West Des Moines, Iowa
Ross Root Feeder, to feed as you water to the roots of trees and shrubs

Davey Tree Expert Co., Kent, Ohio 44240

Tree nursery, 150 varieties of shade and ornamentals

Tree service, nationwide and Canadian representation

Davis Mfg., Div. J. I. Case Co., 1500 S. McClean Blvd., Wichita, Kansas 67213

Fleetline, rubber tire trenchers, 7-65 hp

Task Force, track mounted trenchers

Road Run'r®, trencher 57 hp with backhoe attachment, boring and reaming attachments for trenchers. Also direct borial equipment

Mini-Sneaker®, 25 hp vibratory plow

scatback, 30 hp 4-wheel drive articulated loader

Deere and Co., John Deere Equipment, John Deere Administrative Center, John Deere Rd., Moline, Ill. 61265

JD 350 & 450, crawler; 42 and 65 hp; loader and log fork available

JD 760A & 860A, earth mover-scraper; 9.5 and 15 cu. yd.

JD 380 & 480A, forklifts; 4000-5000 lb. lift and 5000-6000 lb. lift

Mowers, rotary, flail; push, riding, self-propelled; side mounted cutter bar available

JD 70 & 170, skid steer loader; 25 and 37 hp

JD 820, grounds maintenance tractor, 31 hp; belly mounted mower, cuts 6 ft. swath

Tools, 237 different tools for shop, work and home

Roto Tillers

Lawn Sweepers

Blades

Snow Throwers

Chain Saws

JD301A, tractor, utility, 43 hp, utility loader, 43 hp



Our sprayers go un-noticed.

You'd never know they've been there. 'Til you see the spray results. Then you realize the performance capabilities of Myers TL10E2 Turf Sprayers. Plus their gentle nature. Standard equipped with dual "Pillows of Air" Terra Tires. For minimum ground compaction. Only 14.1 PSI. Standard 21' boom also. For turf maintenance in parks, golf courses, etc. Engine powered. Du-All 10 GPM, 20 to 500 PSI spray pump for full range chemical applications. Also available — skid model with live hose reel for insect, weed and sanitary operations.

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The name that works for you.

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400 ORANGE STREET • ASHLAND, OHIO 44801

JD 300B, loader, 43 hp, loader/backhoe, 43 hp
JD 302, tractor, 50 hp, utility loader, 50 hp
JD 302A, loader, 50 hp, loader/backhoe, 50 hp
JD 401 B, tractor, utility loader
JD 401 C, loader, loader/backhoe

Delavan Mfg. Co., 811—Fourth St., West Des Moines, Iowa 50265

Nozzles, all conceivable types, sizes and spray angles
Accessories, boom control valves, pressure relief valves,
strainers, agitators and spray guns
Pumps, roller, turbine, piston

DESA Industries, Inc., 25000 S. Western Ave., Park Forest, Ill. 60466

Remington, gasoline chain saws, electric chain saws,
pneumatic chain saws

Dico Co., Inc., P.O. Box 1344, Des Moines, Iowa 50305
Dico, Knuckle boom log loaders, trolley boom hoists

Digz-All Trencher Co., Div. Wing King Co., Merrill, Iowa 51038

Digz-All, trenchers

DriAll, Inc., P.O. Box 309, Attica, Ind. 47918

Air Curtain Destructor, pit incinerator for disposal of
trees and wood products—air pollution approved
Scarifier Levler, leveling device with scarifying teeth for
landscapers, sod growers
Yard Levler, leveling or grading drag

Dunlop Tire & Rubber Corp. Box 1109, Buffalo, N.Y. 14240
Dunlop tires, for cars and trucks, tractors and implements

E

ESB Brands, Inc., Willard, Exide, Box 6949, Cleveland, Ohio 44101

Willard and Exide batteries, 6-volt electric golf car and
golf utility vehicle batteries. Lead acid storage batteries
for lawn and garden tractors
ESB Battery Chargers

E-Z Go Car, Division of Textron, Augusta, Ga. 30903
E-Z Go Golf Car, X-440 electric 3-wheel, GX-440 gas 3-
wheel, X-444 electric 4-wheel, GX-444 gas 4-wheel

E-Z Rake, Inc., 1001 S. Ransdell Road, Lebanon, Indiana 46052

E-Z Rake, Spring Tine Thatchers and power rakes, lawn
vacuums that attach to garden tractors and riding mowers

Eagle Mfg. Co., 24th & Charles St., Wellsboro, W. Va. 26070
Eagle cans, gasoline cans manufactured to meet OSHA
regulations

Echo Chain Saw Div., Kioritz Corp. of America, 350
Wainwright Ave., Northbrook, Ill. 60062

Echo Chain Saws, full range of chain saws from CS302,
3000 unit to CS100, 100cc unit
Echo Power Blowers, compact, lightweight knapsack type
blower, 40 cc engine
Echo Duster/Mist Blower, compact, light weight knap-
sack type blower, 40cc engine
Echo Swing Scythe, lightweight, shoulder type, 20cc
engine

Engineering Products Co., P.O. Box 284, Waukesha, Wis. 53186

Economy, man-size all-gear tractor, 14 hp
Mower, rotary, mounted under tractor, 60 inches

Edwards Manufacturing Company, Rte. No. Box 1275, Ponca
City, Oklahoma 74601

Edwards Sprayers, power sprayers, 50, 100, 200, 300, 400,
500, 1,000 gallons; 3 to 50 hp engines

Erickson Corp., 211 St. Anthony Blvd., N.E., Minneapolis,

Minn. 55418

Erickson, hydrostatic drive compact front end loader

Eversman Mfg. Co., Curtis at Fifth St., Denver, Colo. 80204
Eversman, land leveler

Excel Industries, Inc., P.O. Box 385, Hesston, Kansas 67062
Hustler, mower, rotary Model 272, 18 hp, dual
hydrostatic transmission, 72-inch cut, winter attachments
available

Hillside Hustler, mower, rotary, 24 hp, dual hydrostatic,
Model 360, self-leveling for maximum safety and perform-
ance on hillsides and level ground; 60-inch flail, too

F

FMC Corporation—AMD, 5601 E. Highland Dr., Jonesboro,
Arkansas 72401

Bean, Royalette—50 to 400 gallon tanks, 5 & 10 gpm,
mechanical agitation, Royal—300 to 1,000 gallon tanks,
25 to 60 gpm, mechanical agitation, Turfkeeper—mounts
in golf utility vehicle, Rotocast—sprays from rough to
rough, Rotomist—Shade tree sprayer, jet agitation, 4
models to choose from

**FMC Corporation, Municipal/Industrial Service Equipment
Division**, 1201 E. Lexington St., Pomona, Calif. 91773
Wayne Stump King and Wayne Brush Chipper

FMC Corporation, Outdoor Power Equipment Div., 215
South Park Street, Port Washington, Wis. 53074

HT-20, tractor, garden, hydrostatic, twin cylinder, 19.5
hp 54-inch rotary mower, 48-inch two-stage snow thrower
QT-16, tractor, garden, hydrostatic drive, twin cylinder 16
hp, 48-inch rotary mower
QS-16, tractor, garden, hydrostatic drive, 48-inch rotary
mower, 16 hp
H-14, tractor, garden, hydrostatic drive, 14 hp 42-inch
rotary mower
G-14, tractor, garden, 14 hp, 42-inch rotary mower
G-10, tractor, garden, 10 hp, 38-inch rotary mower
G-8, tractor, lawn, 8 hp, 32-inch rotary mower
828,829, mower, riding, 8 hp, electric and recoil start, 28-
inch rotary
Mowers, mulching type, rotary, two 22-inch self-
propelled; 22-inch and 18-inch, hand propelled
Mulcher Baggers, two models, 6 hp and 3.5 hp, both
equipped with safety interlocks and leaf ramp option
Tillers, horizontal shaft, 5 hp; vertical shaft, 3.5 hp
Attachments, to fit tractors

FMC Side-Winder, P.O. Box 818, Minden, Louisiana 71055
Side-winder rotary cutters, tractor drawn rotary cutters,
lift and pull models, 4 ft. to 16 ft.
Side-winder flail mowers, tractor drawn flail mowers, 6 ft.
and 7 ft. models

Fairmont Hydraulics, 415 N. Main St., Fairmont, Minn. 56031

The Powerfuls, drills (hydraulic powered), pruners
(hydraulic powered), saws (chain-hydraulic powered),
saws (circular-hydraulic powered)

Fanno Saw Works, Box 628, Chico, Calif.

Saws, pruning, manual

Fayette Division, Dayton-Walther Corporation, P.O. Box 8,
Fayette, Ohio 43521

Haulette by Fayette, trailers, utility and light to medium
heavy industrial

Ferti-Feeder, 3973 Eastlay, Des Moines, Iowa 50306

Ferti-Feeder, tree deep root fertilizer injector

Fibre Glass Products, Box 147, Swannanoa, N. C. 28778

Tool boxes—pickup truck, Fibre Glass construction, pad-
dle locks, built to accommodate B & G sprayer, fits all
size trucks

Chemical tanks—pickup truck, 55, 110, 180 gallons, Fibre Glass construction, with agitator, drain, and hose connections

Fimco, Inc., 1st & Court Streets, Sioux City, Iowa 51101
Big Butch, pressure washer, electric, portable
Dobbins, sprayer, lawn and garden, gas, mechanical agitation; sprayer, orchard and golf course, gas, mechanical agitation

Finn Equipment Company, 2525 Duck Creek Rd., Cincinnati, Ohio 45227

Finn mulch spreader, straw spreader
Finn Hydroseeder, seed and fertilizer spreader
Finn Klodbuster, slope harrow

Flintkote Co., The Pipe Products Div., Box 151, Ravenna, Ohio 44266
PVC pipe

Flymo, P.O. Box 939, Elkhart, Ind. 46514
Flymo, air-cushion rotary mower

Foamspray Chemicals, Inc., 10414 Harry Hines Blvd., Dallas, Texas 75220

Foamspray® sprayer nozzles, nozzles and handguns for foamspraying drift reduction system (5 types cover air, ground, orchard and roadside)

Foley Mfg. Co., 3300 Fifth St. N.E., Minneapolis, Minn. 55418

Reel Grinder, sharpens, reel type, lawnmowers
Bed knife grinder, sharpener, reel type, lawn mower bed knives
Lapping machine, Back laps reel type lawnmowers
Chain saw grinder, sharpen saw chains

Ford Motor Co., Tractor & Implement Operations (N.A.), 2500 E. Maple, Troy, Mich. 48084

Ford LCG Tractors, 37 to 63 hp
Ford all-purpose tractors, 23 to 131 hp
Ford flail mowers, 62, 74 and 88-inch widths
Ford rotary cutters, 60, 72, 84 and 100-inch widths
Ford sickle barmowers, 5, 6 or 7 ft. widths

Fore-Par, Inc., 7150 Fenwick Lane, Suite 106, Westminster, Calif. 92683

Fore-Par, tee markers, practice green markers, direction and rules signs, flags, greens, personalized, flags, greens, regulation, tee monuments

Fox Valley Marking Systems, 31W300 West Bartlett Rd., Bartlett, Ill. 60103

Easy Marker, aerosol paint cane type object to aide in layouts for landscapers, contractors, etc.

Friend Mfg. Corp., 441 Prospect St., Gasport, N.Y. 14067
Tractor (hp); mower (reel, sickle, rotary, flail); saw (gas, hydraulic, electric, chain, circular); sprayer (type of agitation); irrigation (type of head, etc.)

Friend Airmaster, air blast applicator
Friend Orchardkraft, alternators, power brushcutter
Friend Commander, chemical applicators, granular, chemical

Champion and Chapin, chemical applicators, dusters
Friend Orchardkraft, generators, hose, hydraulic and air-powered tools

Friend Parkkraft, litter receptacles

Wilson, dust masks

Friend, mistblowers, nozzle parts

Uniroyal, protective clothing

Friend Orchardkraft, pruners

Friend, pumps

Hannay, reels, hose

Wilson, respirators, safety equipment

New Draulics, saws, chain

Seymour Smith, saws, manual

Friend Orchardkraft, power saws, shears
Friend, spray booms, spray guns, spray nozzles, complete, disk whirls
Friend, spray pumps, sprayer, bifluid, boom
Friend Orchardkraft, sprayers, cart or wheelbarrow type, hand, knapsack
Friend, spray tanks, sprayers, hose end, complete power unit sprayers

Fruend Can Co., 143 W. 84th St., Chicago, Ill.
Gasoline cans to meet OSHA specifications

Fuerst Brothers, Inc., P.O. Box 271, Rhinebeck, New York 12572

Fuerst F-l-e-x-i-b-l-e tine harrows, turf maintenance equipment for seedbed preparations, scarifying, over-seeding preparation, golf course construction, general turf area and bridle path maintenance

G

G. & H. Products, Inc., St. Paris, Ohio 43072

Uni-Lift, motorized all-position stand for riding mowers, lifts up to 80 inches, 1,000 lb. loads, in less than 30 sec.

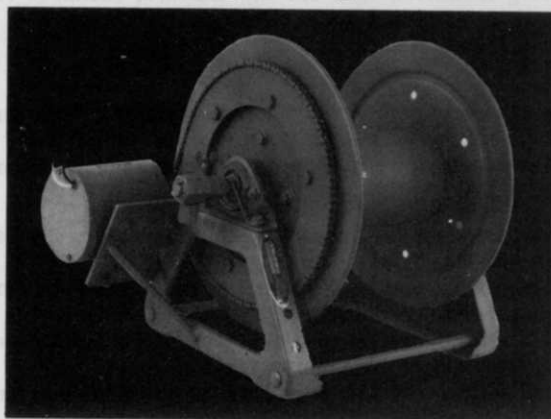
Game Time, Inc., The Toro Company, 903 Anderson Rd., Litchfield, Michigan 49252

Park and playground equipment, half-way houses for golf courses

Gandy Company, 528 Gandrud Road, Oonna, Minnesota 55060

Gandy Turf Tender, for fertilizer, seed or granular chemical; 24 or 42-inch width
Gandy spreader 600 Series, for fertilizer, seed or granular chemical; 3, 4, or 5-foot width
Gandy Spreader 10A Series, for fertilizer, seed or

REELS to handle your spray hose



To handle hose faster and more efficiently for spraying pesticides, liquid fertilizers and other chemical products, specify Hannay reels. Available with air or electric powered rewind motors for fast, controlled rewinding of all hose lengths.

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- granular Chemical, 6, 8, 10 or 11-foot width, pull-type and tractor mounted
 Gandy Spreader 1020A, for fertilizer, seed or granular chemical; 20 foot; folding
 Gandy disk mount, granular applicator; 3 to 20 foot, hydraulic or mechanical drive
 Gandy Ro-Hi, high clearance granular applicator; 5 to 28-inch band
 Gandy Line Tender, granular applicator; 1 to 21-inch band, handle control
 Gandy Super/Junior, Granular applicator; 1 to 21-inch band, implement-mounted
 Gandy Measuring Wheel, one-man land measuring in feet or meters
- Garber Seeders, Inc., St. Paris, Ohio
 Seeders, hopper-type
- General Electric Co., Outdoor Power Equipment Operation, Corporations Park, Bldg. 702, Schnectady, N.Y. 12345
 Tractors, electric/battery-powered, full line of attachments
- General Scientific Equipment Co., Limekiln Pike & Williams Ave., Philadelphia, Pa. 19150
 Aprons
 Gloves
 First aid kits
 Aerosol burn spray
- Giant-Vac Mfg., Inc., Machine Shop Road, South Windham, Conn. 06266
 Giant-Vac, heavy-duty commercial vacuums
 Giant-Blo, heavy-duty commercial blowers
 Giant-Truck Loader, heavy-duty truck loaders, front or trailer mount from 12 through 68 horsepower
 Giant-Thatcher, 5 and 7 hp—thatching machines
- Glendale Optical Co., Inc., 130 Crossways Park Dr., Woodbury, L. I., N.Y. 11797
 Hard hats, head protection gear
- Goodall Div., 1405 Bunton Rd., Louisville, Ky. 40213
 Goodall, mower, rotary
- Granberg Industries, Inc., 200 So. Garrard, Richm-N-Trim, chainsaw pruning and hedge clipping attachment
 Grind-R-Guide, electric grinder for saw chains
 Break-N-Mend, hand-tool for repairing saw chain
- Grass Growers, Inc., P.O. Box 584, Plainfield, New Jersey 07061
 Terra Tack, for erosion control, straw/hay tack and mulch binder
- Gravely, Division Clarke-Gravely Corp., One Gravely Lane, Clemmons, N.C. 27012
 816 4-wheel tractor, 8-spd. trans., 16 hp, Onan 2-cylinder engine (rear mounted)
 812 4-wheel tractor, 8-spd. trans., 12 hp Kohler single cylinder engine (rear mounted)
 810 4-wheel tractor, 8-spd. trans., 10 hp Kohler single cylinder engine (rear mounted)
 408 lawn tractor, 34-inch rotary mower—8 hp Kohler engine
 7.6 hp custom 2-wheel tractor, 30" rotary mower, 40" rotary mower, 50" rotary mower
 7.6 hp 2-wheel tractor, rotary tiller, rotary plow, rotary cultivator
 C-10 hp commercial 2-wheel tractor, 44", 38", 36" snowblowers, front mount 48" scraper
 C-12 hp commercial 2-wheel tractor, blade, center-mount scraper blader, riding sulky for 2-wheel tractors
- Greenlawn Sprinkler Co., 2200 South Lipan, Denver, Colorado 80223
 Greenlawn, adjustable riser sprinkler heads, automatic and manual sprinkler valves, adjustable risers, greenhouse bench nozzles
- Griswold Controls, 124 E. Dyer Road, Santa Ana, Calif. 92707
 System control module, irrigation controller
 Station control module, irrigation controller
 Programmer, irrigation controller, check valve, flow control valve, solenoid control valve, pressure regulating valve, combination pressure regulating and solenoid control valve
- Ground Hog, Inc., 25010 E. 5th St., San Bernardino, Calif. 92410
 Ground Hog earth drills, 3 models (portable—gas powered)
 Ground Hog trencher, Model T-3M (for sprinkler systems)
- Grumman Aircraft Corp., S. Oyster Bay Rd., Bethpage, L.I., N.Y.
 Aircraft, fixed wing
- The Guildsman Co., Harrisburg, Pa.
 Sprayer, pneumatic-hydraulic, self-contained
- ## H
- HMC, 22131 S. Vermont, Torrance, Calif. 90502
 Jobber, utility vehicle—3-wheel
 Jobmaster, utility vehicle—3-wheel
 Diahatsu, utility vehicle—4-wheel
 Gro Gear, hedge trimmer—gas and electric
 Thompson, irrigation—gear driven
- Hadfield Sod Roller Co., 6443 Sherwood, Oxford, Mich. 48051
 Sod roller
- Hahn, Inc., 1625 N. Garvin St., Evansville, Indiana 47717
 Flex-A-Matic 140, five-gang reel mower
- W. L. Hamilton Co., Lenter St., Bangor, Mich.
 Spray guns
 Pressure relief valves
 Spray nozzles
- Hancor, Inc., P.O. Box 1047, Finlay, Ohio 45840
 Turf-Flow, drainage tubing, two-inch
 Agri-Flow, drainage tubing, 4-inch, 6-inch, 8-inch, 10-inch
- Clifford B. Hannay & Son, Inc., 422 Maple St., Westerlo, N.Y. 12193
 Hannay Reels, reels to handle all kinds of hose and electric cable
- Harvestall Industries, Inc., 3 North Walnut Ave., New Hampton, Iowa 50659
 Truckler, combination forklift trailer
- Hays Mfg. Div., Zurn Industries, Inc., 12th & Plum Sts., Erie, Pennsylvania 16501
 Marfaid, automatic solonoid valves
 Select-O-Rain, industrial controller
 Safe-T-Rain, impact and pop-up sprinklers
- Hays Spray Gun Co., 98 N. San Gabriel Blvd., Pasadena, Calif.
 Sprayers, hose end
- Hemco Corporation, P.O. Box 210/111 N. Powell Rd., Independence, Missouri 64051
 Tanks, fiberglass tanks for spraying or storage, 60 to 500 gallons
 Travelite tool box, fits all wide bed pick-up trucks
- Herd Seeder Company, Inc., P.O. Box 448, Logansport, In-

diana 46947

Herd Sure-Feed, broadcast seeders (or broadcasters) for spreading seeds, fertilizer and granular chemicals, as herbicides and insecticides)

Hesston Corp., Lawn Equipment Division, P.O. Box 39040, Indianapolis, Ind. 46239

Hesston Front-Runner—grounds maintenance tractors, Model 200, 19.8 hp—Model 180, 18 hp—Model 160, 16 hp; 48", 60" mowers and 80" batwing mower head, self-contained vacuum pick-up (fits 48" & 60" mower heads only). Other attachments: rotary broom, dozer, snow thrower and tillage equipment; features hydrostatic drive, articulated steering, "up-front", roomy operator cockpit

Hesston stump cutter, 8 hp Briggs & Stratton engine, portable, replaceable
Hesston tractor, 16 hp, 18 hp, 20 hp; mower—rotary 48", 60", 80"; vacuum collector, snow-plow dozer blades, rotary broom, cultivators, 42" wide—disc harrow—29"-39" cutting width, aerator, 36" wide, stump cutter, stump removal to 8" below ground level

Highway Equipment Company, 616 D Ave. N.W., Cedar Rapids, Iowa 52405

Hi-Way Model P, utility, hopper-type spreader body that is simply set into a truck body to convert pickup, flatbed or dump body into spreader unit; spreads sand salt or cinders up to 40 ft; used too, to spread fertilizer and lime in landscape work

Hiller Aircraft Corp., 1350 Willow Rd., Palo Alto, Calif.
Aircraft, helicopter

Hoffco, Inc., 25 Washington Ave., Richmond, Ind. 47374
Hoffco, P8—power Scythe, MP—brush cutter, 973—one-man post hole drill, 1000—2-man (2 cycle) post hole drill, 1100—2-man (4 cycle) post hole drill
Comet Jac-Lift, 2000 lb. winch hoist

Homelite, 70 Riverdale Ave., Port Chester, N.Y. 10573
Saws, chain, 18 models; 8 3/4 -26 lbs. weight; 12-60 inch bar length; manual, automatic and dual system chain oiler

Hortiscape, Inc., 7866 Second St., Dexter, Michigan
Hortiscape Landscape Border Edging
Hortiscape Tree Guying units

Howard Rotavator Co., Inc., 343 S. Division, Box 100 Harvard, Ill. 60033

Howard Turf Quakers, turf aerification machines
Howard Rotavators, rotary tillage equipment
Howard Power Arms, 3-pt. linkage backhoes

Hub States Corporation, 2000 North Illinois Street, Indianapolis, Ind. 46202

520 sprayer, gas powered, high pressure
702 sprayer, electric powered, volume
730 sprayer, electric powered, high pressure
970 sprayer, gas powered, volume
810 sprayer, gas or electric, portable

H. D. Hudson Manufacturing Company, 154 E. Erie St., Chicago, Illinois 60611

Hudson manually-operated sprayers, compressed air, 1-1/3 to 4 gallons, steel and polyethylene tank; knapsack, 4 1/2 to 5 gallons; slide-pump; wheelbarrow, 17 1/2 gallons; barrel and bucket spray-pumps; intermittent and continuous plunger-operated, 5 oz. to 2-2/3 qts.

Hudson manually-operated dusters, plunger, 1-lb. capacity; crank-operated, 14-lb. capacity; knapsack, 17-lb. capacity

Hudson power sprayers, 12 1/2, 15, 30, 50, 100, 150, 200 and 300 gallons, 3, 5 and 10 GPM output, 100 to 300 lbs. pressure; on wheels and skids, PTO and self-powered, jet and mechanical agitation

Hudson power dusters, PTO and engine powered, 6, 4, 2 and 1 outlet; litter-types

Hudson power spray-pumps, 3, 5 and 10 GPM, piston pumps, 250 and 400 lbs. pressure

Hudson PTO pump kits, positive piston, roller

Hudson spray booms, 4, 20 and 30 feet long, for PTO and engine powered sprayers, fixed and adjustable nozzle, single nozzle broad-spray

Hudson spray guns, single, double, triple nozzle; adjustable

Hudson power sprayer accessories, guns, booms, trailers (fixed and adjustable tread), tanks, tractor barrel mounts, wheels, cab top, elevated operator platform, telescopic gun mast, nozzles, boom drops, boom control valves, hose, hose clamps, hose fittings, tank refiller, pressure gauges, hose reels, pressure regulators, root feeder, flower gun, 3-nozzle gun, lawn booms

Hudson flame sprayers, 1 1/2 pints, 1 1/2 to 4 gallons

Husqvarna, Inc., 151 New World Way, South Plainfield, New Jersey 07080

Chain saw

Hydraulic Products Co., Inc., 501 East 42nd, Lubbock, Texas 79404

HPC, submersible and vertical turbine pumps for deep wells and pressure booster applications for irrigation applications

Hydro-Turf, P.O. Box 3, Elk Grove, Ill. 60007

Hydro Turf, spraying equipment, sprinkler systems—above ground, seeders, portable pumps, portable generators, flexible hose and pipe, Hydro seeders and mulchers

Hypro Division, Lear Siegler, Inc., 375 Fifth Ave. N.W., New Brighton, Minn. 55112

Hypro, sprayer pumps, sprayer pump accessories, transfer pumps

SPRAYING SYSTEMS CO.

TeeJet®

SPRAY NOZZLES AND ACCESSORIES



SPRAY BOOM CONTROL VALVES



LINE and SUCTION STRAINERS



PRESSURE RELIEF VALVES



Vari-Spacing, Split-Eyelet and Hose Shank BODIES and NOZZLES



SPRAY GUNS



Over 800 INTERCHANGEABLE SPRAY TIP TYPES AND CAPACITIES...
tapered edge, even and wide angle flat spray... hollow and full cone... disc type hollow and full cone... and flow regulators. The most complete line for spraying herbicides, insecticides, fungicides, liquid fertilizers and foam solutions. All materials. For complete information write for Catalog 35... and for foam spraying ask for Data Sheets 13602 and 13626.

SPRAYING SYSTEMS CO.
North Ave. at Schmale Rd., Wheaton, Ill. 60187
Telephone: 312 665-5000 / Telex No. 72-8409



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ITT Marlow, P.O. Box 200, Midland Park, N.J. 07432
Pumps, irrigation, portable, submersible

Ideal Crane Div., Bert Parkhurst, 15051 E. Admiral Pl., Tulsa, Okla. 74116

Ideal Crane, hydraulic truck crane (can be operated both electrically and by hand) very rugged; 3000 lb. capacity electrically-operated crane is \$513.00; 2500 lb. capacity hand-operated crane is \$215.00; barrel chain and nursery sling available

Imperial Underground Sprinkler, 705 E. 31st St., Kansas City, Mo. 64109

Irrigation, spray heads and controllers

Inject-O-Meter Mfg. Co., Inc., 820 Thornton, Clovis, New Mexico 88101

Fertilizer Injectors, for injection of fertilizer, herbicide or insecticide in irrigation stream (available with tanks)

International Harvester Co., 401 N. Michigan Ave., Chicago, Ill. 60611

International, tractors to 101 hp, crawlers 42 to 69 hp, mowers, rotary cutters; flail type; side mounted sickle; backhoes and loaders, all sizes 3-point hitch backhoe International 3200, compact loader, 30 hp

International Harvester (Consumer Products) 401 N. Michigan Ave., Chicago, Ill. 60611

International, lawn and garden tractor
Cub Cadet, Cadet 55 and 75, riding mower
Cadet 76, lawn and garden tractor
International 526, rotary tiller
International 95, electric riding mower
International 265 & 268, snowblower
International, rotary mowers 19 & 21-inch cuts

Irrrometer Company, Inc., P.O. Box 2424, Riverside Calif. 92506

Irrrometer, soil moisture measurement equipment, hermetically sealed pressure gauges for pumps & irrigation systems, automatic moisture sensing devices

J

JLM Products & Design, 6805 Boysenberry Way, Colorado, Springs, Colo. 80907

Soil moisture meter, tested to 12-inch depth, deeper depth units available

Jacobsen Manufacturing Co., 1721 Packard Ave., Racine, Wisconsin 53403

Mower, rotary, push, 20-inch; self-propelled, 21-inch; riding, 60-inch
Mower, reel, self-propelled, riding, tractor, 21-inch to 25 ft., mounted and pull behind gang
Mowing tractors, reel, 76-inch to 19 ft.
Mower, greens; 22-inch self-propelled, triplex riding, 62 inches
Aerators, self-propelled and tractor mounted, 18-inch to 7 ft.
Turf Sweeper, self-propelled and pull behind 48 inches and 60 inches
Seeders, self-propelled and tractor mounted, 21-inch and 48-inch
Top Dresser, self-propelled and truck mounted, 36-inch spreading width
Sod Cutter, 12-18 inch cutting width
Edgers
Utility truck, 12 and 14 hp
Tee mower, 26-inch self-propelled
Trailer, 6 ft. wide and 10 ft. long, tilt bed, single axle

Jacobsen Manufacturing Co., Sod-Master Division, 3456 N. Washington Ave., Minneapolis, Minn. 55412

Pipe Piper, 10, 14, 18 hp irrigation pipe pullers; bury the pipe without removing the earth—no trenching

Jameson Corporation, P.O. Box 15277, Charlotte, N.C. 28210
Fiberglass "Safe Stick", fiberglass pruner poles—single sections up to 12 ft. long; fiberglass pruner poles—sectional sections up to 12 ft. long which can be locked together for any desired combination of lengths. Poles will accommodate all pruner heads; "safety yellow"—color

Jeep Corporation, 14250 Plymouth Road, Detroit, Michigan 48232

Jeep 4-wheel drive vehicles, Jeep CJ-5/CJ-6 and Jeep Cherokee 4-wheel drive sport/utility vehicles, Jeep Wagoneer 4-wheel drive station wagons and Jeep 4-wheel drive pick-up trucks (light/medium duty)

Jisco, 1941 Karlin Dr., St. Louis, Mo. 63131

Jisco earth augers, the quick easy professional way for home owners to deep root feed their trees, bushes and shrubs

Jobu Chain Saws, P.O. Box 6023, Texarkana, Texas 75501
Chain saws

Johnson Hydraulic Equipment Co., 215 West 78 St., Minneapolis, Minn. 55420

Work Horse Loader, for compact tractors
Work Horse Terra-blade, for compact tractors
Work Horse Forklift, for compact tractors
Work Horse Terra-comb, for compact tractors

K

K-D Manufacturing Company, P.O. Box 4547, Waco, Texas 76705

K-D Kurb Dresser, edges streets, curbs and walks; mounts on tractor equipped with category 1, 3-point hitch; can be used to edge along concrete or asphalt
K-D Rough Terrain Lift Trucks, lift capacities, 5,000 to 8,000 lbs., lift heights to 30 feet, large flotation tires for soft ground and rough terrain, gas or diesel engines, manual or power reversing transmissions

F. D. Kees Mfg. Co., 700 Park Avenue, Beatrice, Nebraska 68310

Powerake®, thatcher, lawn
Powerslice®, aerator, lawn
Kom-pak, shredder
Kaster, spreader, broadcast, fertilizer, seed, lawn
Krawler, sprinkler, traveling, lawn

Kemp Shredder Co., 1027 E. 26th St., Erie, Pa. 16505
Shredders

Kinco Mfg., 2368 Territorial Road, St. Paul, Minnesota 55114
Kinco KMG 38, sickle bar mower
Henderson GPM, verti-cut and flail-type mower

King Bros. Industries, 251 Powell Rd., Fillmore, Calif. 93015
Flex-Riser®, flexible riser for sprinkler systems
Sta-Stake®, sprinkler riser support

Kirchdorfer Irrigation, 924 Baxter Ave., Louisville, Ky. 40201
Preassembled pumping stations for irrigation systems

Knaack Manufacturing Co., 420 East Terra Cotta Ave., Crystal Lake, Ill. 60014

Storage and truck equipment tools and storage chests, ladder racks for pick-up trucks

Kohler Co., Kohler, Wis. 53044

Kohler, 4-cycle, air-cooled engines, 4 hp to 24 hp

Kubota Tractors, Inc., 6245 Grand Ave., Los Angeles, Calif. 90014

Tractors, up to 40 hp

Karl Kuemmerling, Inc., 4536 Lincoln Way, E., Massillon, Ohio 44646

Willson, safety hats
Mitts & Merrill, brush chipper (territory Ohio, Ky., Western Pa., Western N.Y.)
Solo, sprayers
Hodges, stump router (territory E. of Mississippi)
Seymour Smith, pruners
Fanno, saws
Greenlee, tools
Carhartt, uniforms
Little Wonder, pruners
Champion, pruners
Skod, saws and pruners
B.V.D., saws and pruners
Standard, brooms
Wall Rope Co., rope
Klein, tools
Whitlock—Plymouth, rope

L

Lakes Supply Co., Inc., P.O. Box 101 Dundee, Ill. 60118

Toro, landscape seeders and rollers
Lakes Supply Co., Inc. drip weed roller applicator
Western, snow plows
Toro, lawn mowers
Huffy, lawn mowers and riders
Hahn Eclipse, lawn mowers and riders
Jacobsen, lawn mowers and riders
Ariens, lawn mowers and riders

Lakeshore Equipment & Supply Co., 10237 Berea Rd., Cleveland, Ohio 44102

Replacement parts, mowers
Golf accessories, flags, cups, etc.

Lakeside Mfg. Company, Inc., 39 E. Main St., Honeoye, N.Y. 14471

Trailers, industrial, 6 to 15-ton rated capacity

Lancaster Pump & Mfg. Co., Inc., 1340 Manheim Pike, Lancaster, Pa. 17604

Saws, chain, five models, 8 1/2-15 lbs. weight, 12-24-inch bar lengths, manual and dual system chain oiler

L. L. Larson Machine, Inc., 1017 N. Santa Fe, P.O. Box 308, Princeville, Illinois 61559

Sprayer pump, piston, roller & centrifugal
Portable water pumps, centrifugal, roller & piston
Sprayer nozzles, broadcast & hi pressure
Sprayers for ground coverage, broadcast & spot application
Sprayers for trees, 20 ft. x 50 ft. application
Sprayers for turfs, broadcast & spot application
Sprayers, fertilizer-mounted, broadcast & spot application
Spreaders, fertilizer, pull-type, broadcast 40 ft. pattern

Lauson Power Products, Engine Div. Tecumseh Prod. Co., 900 North St., Grafton, Wis. 53024

Engines 2 to 16 hp, vertical and horizontal shaft, trans axles, transmissions, differentials, hydrostatic units

Lawn-Boy, OMC-Lincoln, P.O. Box 82409, Lincoln, Nebraska 68501

Lawn-Boy, solid state ignition rotary mowers, deluxe model rotary mowers

Lawn Medic, Inc., Manufacturing & Research, Gates Street, Bergen, New York 14416

Porto-Mixer, hand-operated small 1 c.y. portable tumbler

Lehara Equipment Co., Inc., 60 East 42nd St., New York, N.Y. 10017

Lehara Hy-Dro Flail, hydraulic extension mower—for mowing behind guard rails, up and down banks

The Lely Corporation, P.O. Box 1060, Wilson, N.C. 27893
Lely Broadcaster/Seeder, P.T.O. driven, lift and pull-type spreaders fertilizer, seed, sand or chemicals
Lely Roterra, P.T.O. driven power harrow, prepares seedbed, incorporates chemicals, levels land

Levco Manufacturers, Inc., P.O. Box 72, Wynne, Arkansas 72396

Model HD50 Stump Grinder, a one-man stump removal system offering unequalled maneuverability and speed; operates behind a standard pickup truck (1/2-ton) or small tractor; features include industrial, water-cooled power unit and self-contained hydraulic system

Fred A. Lewis Company, 40 Belknap Rd., Medford, Oregon 97501

Lewis "Mole", post hole digger powered by chain saw motor
Lewis "Donkey" Winch, winch powered by your chain saw
Lewis Tractor "Mole", post hole digger attachment to small tractors (front end attachment)

Lifetime Career Schools, 2251 Barry Ave., Los Angeles, Calif. 90064

Landscape training, complete home study training in landscaping and ground care; free booklet describes training in detail

Lift-Quik Mfg. Co., South Main St., Evans Mills, N. Y. 13637

Lift-Quik, garden, golf cart, lift

Limb-Lopper Co., Inc., 11845 E. Burke, Santa Fe Springs, Calif. 90670

Limb-lopper, pruner, hydraulic and air, saw, chain hydraulic and air; saw, circular, hydraulic and air
Powerench, impact wrench, hydraulic
Powerbore, drill, Hydraulic; tamper, hydraulic

Lindell Industries, Div. of Lindell Pattern Works, 2689 So. 10th St., Fresno, Calif. 93725

Sweeper, vacuum; yard
Blower, leaf blower (wind-row)
Edger/trimmer, lawn

Lindig Manufacturing Corporation, 1875 West County Rd. C, St. Paul, Minnesota 55113

Lindig, shredders (soil and compost)—manual and tractor fed, capacity up to 200 yards/hour; screeners (powered) for soil and sand; brush chippers, 7 to 160 hp, compact and full size for branches up to 8" in diameter, also PTO drive; soil treating (sterilization) systems; leaf shredders and compost pulverizer/mixers
Lindig Kajon, compact brush chippers 7 to 10 hp
Lindig Concho, compost shredder/grinder
Lindig Apache, shredder/bagger for leaves and yard debris

Locke Mfg. Div. Stellar Lawn Care, 1085 Connecticut Ave., Bridgeport, Conn. 06607

Mowers, reel, self-propelled and riding, 30 inches to 87 inches; rotary

Lockwood Corporation, Box 160, Gering, Nebr. 69341

Lockwood Hardie Sprayers, airblast sprayer, 300 or 500 gallon stainless steel tank, trailer mount; utility (general purpose) 100 to 500 gallon stainless steel tanks. Truck trailer or skid mounted; shade tree—600 gallon stainless steel tank, truck mounted

Lombard Power Equipment, Sales Ave., Harrison, Ohio 45030

1500 electric, saw, chain, 12-inch bar; 12 amps
Pony, saw, chain, gasoline, 12-inch bar, 6 1/2 lbs.
Comango, saw, chain, gasoline, 16-inch bar
Super comango, saw, chain, gasoline, 1/2" anti-vibe," automatic oiler
Super Lightning, saw, chain, gasoline, 1/2 "anti-vibe,"

automatic oiler, 20-inch bar; saw, chain, gasoline, full "anti-vibe," automatic oiler

London Fog Company, Crystal Bay, Minnesota 55323
London Foggers, thermal foggers from 3 hp hand portable through 16 hp heavy-duty
London Aire, ULV insecticide dispersal equipment from 5 hp dolly mounted type through 9 hp extra heavy-duty for large area mosquito control

Lumenite Electric Co., 2331 N. 17th Ave., Franklin Park, Ill. 60131

Lumenite, lawn irrigation control and equipment

Lundin-Milner, Inc., Los Altos, California
Chipper, will handle up to 3-inch diameter material, pull-type, stationary, mounted, electric, gas, PTO powered

Lupton Enterprises, 32 Martha St., Tiffin, Ohio 44883
Log splitter, attachment to hackhoe, replaces bucket in minutes

M

M-B Company, New Holstein, Wis. 53061
Brush Chippers, trailer mounted—12" and 15" sizes 120-158 hp gasoline engines
Orchard Chipper, tractor 3-point hitch attached PTO driven (540 RPM), 12" wide chipper with feed apron and 180° discharge chute
1-10, 3-10, 5-10, line marker, hand operated
Fitchburg chipper, brush chipper 12 in. and 15 in.
Tractor Brooms, sweepers

Maasdam Pow'r Pull, Inc., P.O. Box 6130, Burbank, Calif. 91510

Maasdam Pow'r Pull, winch-puller

Magline, Inc., 503 S. Mercer, Pinconning, Mich. 48650
Trailevator®, trailer, hydraulic elevating

Mars Industries, Inc., 5209 West Broadway, Minneapolis, Minn. 55429

Mars Chem-Spray, turf sprayer, 5 gal. capacity
Suburban Angle Broom, tractor attachable rotary sweepers
Suburban Pick-up sweepers, tow-type turf pick-up sweepers

Martindale Electric Co., 1375 Hird Ave., Cleveland, Ohio 44107

Martindale Protective Mask, respiratory protection against non-toxic dusts
Martindale Protective Eyeshield, one-piece eyeshield

Massey-Ferguson, Inc., (Industrial Products) 1901 Bell Ave., Des Moines, Iowa 50315

MF 20, industrial tractor, 38 hp
MF 30, Industrial tractor, 52 hp
MF 40, industrial tractor, 38 hp
MF 20 Turf, industrial tractor, 38 hp
MF 30 Turf, industrial tractor, 52 hp
MF 20, 30, 40, 50A, 70, backhoe-loader; $\frac{5}{8}$ cu. yd., $\frac{3}{4}$ cu. yd., $\frac{1}{2}$ cu. yd., 1 cu. yd. respectively; up to 16 ft. digging reach; all but MF 70 available separately
MF 711, skid steer loader
MF 2200, forklift
MF 2500, forklift
Box scraper, landscape

Massey-Ferguson, Inc., (farm equipment), 1901 Bell Ave., Des Moines, Iowa 50315

MF 135, tractor, 38 hp (PTO)
MF 165, tractor, 50 hp (PTO)
MF 175, tractor, 63 hp (PTO)
MF 180, tractor, 63 hp (PTO)
MF 1080, tractor, 80 hp (PTO)
MF 1105, tractor, 100 hp (PTO)

MF 1135, tractor, 120 hp (PTO)
MF 1155, tractor, 140 hp (PTO)
MF 1500, tractor, 150 hp (drawbar)
MF 1800, tractor, 180 hp (drawbar)

Massey-Ferguson, Inc., (consumer products), 1901 Bell Ave., Des Moines, Iowa 50315

MF 14, garden tractor, 14 hp
MF 126, garden tractor, 12 hp
MF 10, garden tractor, 10 hp
MF 310, self-propelled rotary mower, 3.5 hp
MF 210, push rotary mower, 3.5 hp
MF 58, 68, 61, 71, rotary cutters, cutting widths up to six feet

Mathews Company, P.O. Box 70, Crystal Lake, Ill. 60014
Lawn Genie, flail mower-sweeper-mulcher, 3 ft. and 6 ft. models

Maxey Manufacturing Co., Inc., P.O. Box 2001, Ft. Collins, Colo. 80521

Barela's Roller, turf seed bed prep—crushes, levels, compacts and finishes
Trailers, equipment trailers—medium duty
Truck Bodies, customized truck beds

McCabe-Powers Body Co., 8900 N. Frost, St. Louis, Mo. 63115

Buckets, aerial towers

McCulloch Corp., 6101 W. Century Blvd., Los Angeles, Calif. 90045

Chain saws, (15 models)
Hedge trimmer
Portable earth drill
Portable electric generators, 1500, 2000 and 3000 watt
Brush cutter

McDonough Power Equipment, Inc., McDonough, Georgia 30253

Mower, rotary, push-type and riding; reel, self-propelled

Melnor, Turf Irrigation Div., 1 Carol Place, Moonachie, New Jersey 07074

Shrub nozzle adapters
Stationary spray heads
Pop-up spray heads
Rotary spray heads
Pulsating spray heads
Solenoid valves
Time controls
Quick coupler valves
Pipe and fittings

Melroe Division, Gwinner, North Dakota 58040
Melroe Bobcat, skid turn front end loader

Metro-chiper, Vestor Div., Morbark Ind., Winn, Mich. 48996
Chippers, for large tree chipping

Miller Tilt top Trailer, Inc., 450 S. & 2 St., Milwaukee, Wis. 53214

Tilt Top®, machinery hauling trailer, changes quickly from between the wheel to over the wheel trailer
Ramp Champ®, over-the-wheel platform trailer; both trailers available with new gooseneck hitches

Mitts & Merrill, Inc., 109 McCoskry St., Saginaw, Michigan 48601

Chipper, brush, staggered knife pattern, swing away folding feed chute, positive safety lock pin

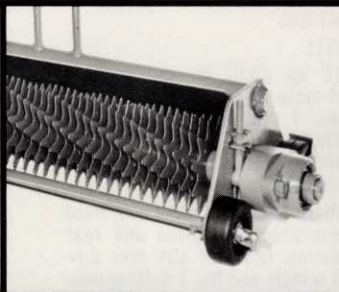
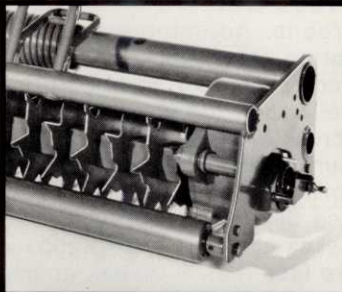
Mobile Aerial Towers, Inc., 2314 Bowser Avenue, Fort Wayne, Indiana 46803

Hi-Ranger, personnel platforms

Moody Sprinkler Co., Inc., 3020 Pullman St., Costa Mesa, Calif. 92626

The great Greensmaster 3
still has no equal.

And now it's the best
spiker and thatcher, too.



1 AS A GREENSMOWER, the high capacity Greensmaster 3 is the basic machine in the Toro greens-maintenance system. Exclusive features like the balanced, fully floating cutting heads—isolated from the traction unit and the grass baskets—give a uniform cutting height, appearance and playing characteristic to each and every green. Proven history of performance on fine greens all over the world lets you be confident of the real value of Greensmaster 3. (See back of page for complete features, benefits and specs.)

2 AS A SPIKER, the Greensmaster 3 is actually superior to specialty machines. Spiker units replace the three cutting units, penetrate turf up to 1 1/4 in. deep to relieve surface compaction, deliver water, fertilizer and chemicals quickly to root zones, and slice stolons and/or rhizomes—encouraging the production of new, young shoots. 57" working width makes spiking practical and efficient for the first time. Toro blade design doesn't ruffle turf. Greens are playable right after spiking.

3 AS A THATCHER, the Greensmaster 3, once again, does a better job than specialty or accessory units. Three thatching units easily replace cutting units. Tempered steel blades are arranged in a spiral pattern to do more work with less power. Variable blade spacing (as close as 1/2 inch) permits adjustment to meet varying turf conditions. 59" working width makes vertical mowing practical and efficient for the first time. Result: grain control and elimination of thatch buildup for healthier greens and more consistent playability.

GREENSMASTER 3[®]

TORO[®]

1 AS A GREENSMOWER, the features and benefits include:

Balanced, fully-floating cutting heads — isolated from the traction unit and grass baskets — give uniform cutting height from first green to the last (a Toro exclusive). Low pull point on all cutting units for straight, even tracking. 15-inch turning radius for greater maneuverability, faster handling. Low-noise fully-hydraulic drive is smooth and easy on the greens. Maximum operator visibility and ease of control. Exclusive interchangeable wheels, cutting units, baskets, reel drive motors save time, money invested in stocking parts. Customizing accessories for varying conditions — including a simply engineered and easy to install individual reel shut-off kit that controls the front two cutting units to give a variable track on the clean-up run. Optional reel roller scrapers minimize grass build-up for a beautiful appearance even on wet turf. Proven history of performance on fine greens all over the world lets you be confident of the real value of Greensmaster 3.

SPECIFICATIONS*

Model 04311

Engine: 12 hp, 29.07 cu. in., dynamic balance, 4-cycle with dry paper element air cleaner, 4 pint lubrication system, electric starting with 12 volt lead-acid battery, and 5 gallon fuel capacity. Hour meter is standard equipment.

Configuration: Tricycle vehicle with front two wheels providing drive and rear wheel steering. Operator sits over driving (front) wheels and No. 1 cutting unit, with No. 2 and 3 cutting units in front of vehicle.

Traction Drive: Direct driven hydraulic pump through stack valve to orbital gear motors which directly drive wheels.

Cutting Unit Drive: Belt driven hydraulic triple pump through stack valve to gear motors which directly drive reels.

Speeds: (approx.) (3300 RPM Engine) 1st — 3.7 m.p.h. 2nd — 7.0 m.p.h. Rev. — 3.7 m.p.h. Reels — 1800 RPM.

Clip: .27 approx.

Brakes: Two 6" drum type mechanical with pawl and ratchet lock for parking.

Tires: (3) 18 x 9.50 x 8, 2-ply pneumatic tubeless demountable and interchangeable.

Tire Pressure: 8 psi front; 12 psi rear.

Oil Reservoir: 6 gal. capacity with diagonal baffle to separate suction side from return side.

Wheel Bearings: Drive Wheels: needle bearings provided in wheel motors. Caster wheels: Timken tapered-roller.

Cutting Units: Reel diameter: 5". Height of cut: $\frac{3}{16}$ " to $\frac{1}{16}$ ". ($\frac{1}{8}$ " with thin bed knife.)

Reel Construction: 8 blades riveted to 5 cast spiders. **Power:** Hydraulic motor splined to reel shaft. **Bearings:** Timken tapered-roller. **Bedknife Adjustment:** Opposed screw. **Roller Adjustment:** Front: micrometer hand adjustment with bolted clamp lock (1 turn = .025" H.O.C. change). Rear: pivot-arm quick change with spring actuated tapered-pin lock (.21" H.O.C. change). Slotted plate with locking screw for roller/reel parallelism.

General Specifications: Width of cut: 59". Wheel tread: 49 $\frac{1}{2}$ ". Wheel base: 45 $\frac{1}{2}$ ". Turning radius: 15" uncut radius. Overall length: 87 $\frac{1}{2}$ ". Overall width: 69 $\frac{3}{4}$ ". Overall height: 50 $\frac{1}{4}$ ". Net weight (with all fluids): 1080 lbs.

Optional Equipment: Full Roller Kit (Model 04412), Wiehle Roller Kit (Model 04413), Swedged Roller Kit (Model 04414), Rear Roller Cleaners (Model 04417), $\frac{1}{8}$ " Height of Cut Bedknives, Individual Reel Shut-Off (2 reels only).

2 AS A SPIKER, the features and benefits include:

Special Toro profile-tooth spike blade that spikes cleanly without ruffling turf (greens are playable immediately after spiking — no rolling or cutting needed). Power driven reels with one-way slip clutch give added traction on sloping greens. Adjustable transfer spring transfers weight from traction unit to spiking reels. Delivers up to 650 lbs. of weight across 57 inch width for maximum $\frac{1}{4}$ inch penetration. Wide spiking area gets more done in less time — you can spike as fast as you mow. And the spikes are less than 2 inches apart. A depth measuring tool is included with each set of spiker units to insure effectiveness of treatment under varying conditions.

SPECIFICATIONS*

Model 04420

Unit Working Width: Effective width per unit — 19 inches; overall width of set of 3 units — 57 inches.

Downward Force: Basic unit weighs 84 lbs. per unit (252 lbs. for set of 3). Available override spring transfers weight from basic traction unit to spiker head. Min. downward force: 84 lbs./unit (8.4 lbs./blade)

Max. downward force: 220 lbs./unit (22.0 lbs./blade)

Performance: Spiker penetration — up to $\frac{1}{4}$ inch; gauged by supporting rollers.

Number of spike holes — 26 $\frac{1}{2}$ holes/ft. sq.

Spiker Blades: Blades high carbon steel — .105 inch thick. Special profile design for minimum disturbance of soil surface when spiking.

8 points per blade, 10 blades per unit (30 blades per set), 7 $\frac{3}{4}$ dia. blade point to point.

Power: Spiker powered by Greensmaster 3 reel drive motors; reel motors drive gear box — 12:1 speed reduction; output speed—150 RPM; gear box contains one-way slip clutch for "free wheeling" in forward direction; powered spiker unit assists basic traction unit when required.

3 AS A THATCHER, the features and benefits include:

Reels cut in forward rotation for efficient vertical mowing. Spiral pattern of thatcher blades means less wear on drive motors, more efficient thatching and throwing of thatch into basket. Adjustable gauge wheels tailor cut to various turf conditions. Variable blade spacing (as close as $\frac{1}{2}$ inch — depending on the need) permits adjustment to meet varying turf conditions. Gauge plates are provided for easy bench setting of penetrator depth, 59" working width makes vertical mowing practical and efficient for the first time. High strength blades are made of blue-tempered high carbon steel — and they're reversible for double the life.

SPECIFICATIONS*

Model 04416

Reel Diameter: 5".

Unit Working Width: Effective width per unit — 20 inches; overall width of set of 3 units — 59 inches.

Depth of Penetration: Infinitely variable, up to a maximum depth of $\frac{1}{4}$ ".

Reel Construction: Flat hardened steel blades spaced between various combinations of $\frac{1}{4}$ " spacers. Spacings between blades to vary from $\frac{1}{2}$ " to 1 $\frac{1}{2}$ ". Set at $\frac{1}{2}$ " spacing at factory.

Power: Hydraulic motor splined to thatcher reel shaft.

Bearings: 1-inch shaft ball bearings retained in cast iron bearing housings.

Reel Adjustment: Pivoting shaft in slotted main frame.

Grass Shield Adjustment: Four bolt mounted shield. Slotted mounting straps for adjustment to reel to regulate throw characteristics.

*Specifications and design subject to change without notice.

Toro is an exclusive trademark of The Toro Company.