

PRODUCTS

Jacobsen Turfcut gets flail mower

A flail mower designed to put a smooth finish on rough turf has been introduced by Jacobsen Division of Textron Inc.

The new flail unit attaches to Jacobsen's recently introduced Turfcut II DW 220 riding mower.

Described as a "vertical rotary mower," the 60-inch flail cuts by revolving a double spiral of tabs fixed to a cylindrical rotor.

Rotation is clockwise with uniform discharge to the rear from the 11-gauge steel housing which is offset to the left for trimming. Using brake assist, the Turfcut II with flail mower can achieve a zero uncut circle. Height of cut can be adjusted for 3/4-inch to 3-1/4 inch increments, without the use of tools.

To follow surface irregularities, the flail mower's mounting is fully articulated, side-to-side and fore-and-aft, as it is for all Turfcut II implement attachments.

The diesel-powered Turfcut II DW 220 offers hydraulic cutting and can be equipped with 60-inch rear or side discharge rotary decks, a 72-inch rear or side deck, a 60-inch rotary broom, a 51-inch snowthrower or a 54-inch dozer blade. A pin mounting simplifies attachment of any implement, allowing the machine to go from one task to another. Jacobsen reports that the new flail mower's capacity is 2.8 acres of rough turf per hour.

Circle No. 185 on Reader Inquiry Card

Water-permeable fabric reduces maintenance

The Du Pont Company has introduced a new permeable landscape fabric that promotes healthier plants and reduces routine maintenance.

Unlike plastic film, Du Pont Landscape Fabric lets water pass through to plant roots while controlling weed growth. Because water passes through rather than flowing off, the Du Pont fabric minimizes wash away of gravel or mulch. The mulch layer remains intact to slow evaporation and moisture loss.

The material is chemically inert. The barrier does not have to be removed to treat plants with liquid herbicides, fertilizers and insecticides. They flow easily through to the soil without damaging the sheeting. Du Pont Landscape Fabric also resists mildew, rotting and decay for

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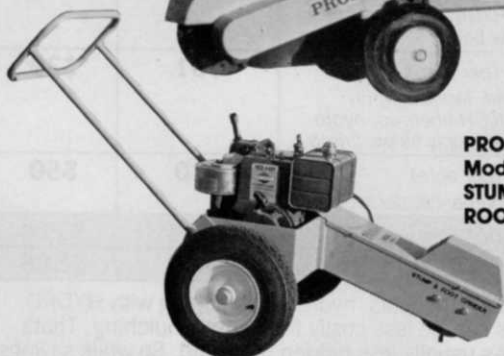
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Promark stump and root grinders have been the international standard in landscape maintenance since 1978.

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Circle No. 146 on Reader Inquiry Card

HERE'S PROOF SEEDING WITH HYDRO MULCH* FIBERS CAN QUICKLY PUT YOUR PROJECT IN THE BLACK.

Compare the *total installed cost* of HYDRO MULCH fibers to ordinary straw for turf establishment.

	Hydraulic Mulching (2 people) (\$12 per hour)	Straw Mulching (6 people) (\$12 per hour)
HIDDEN OVERHEAD		
1. Start-up • Pick up • Prep & load equipment • Travel time • Set up	\$30	\$156
2. Shut-down • Break time • Clean-up • Loading • Travel time	\$60	\$216
TOTAL OVERHEAD	\$90	\$372
VARIABLE COSTS		
1. Materials (per acre) • 1500 lbs HYDRO MULCH fibers vs. 100 straw bails	\$200	\$125
2. Application (per acre) • Hydro seed, fertilize, apply HYDRO MULCH fibers vs. hydro seed, fertilize, apply straw, crimp	\$31	\$39
3. Equipment (per acre) • Fuel, maintenance, depreciation	\$30	\$50
TOTAL VARIABLE (per acre)	\$261	\$214
TOTAL INSTALLED COST	\$351	\$586

In many of today's projects, hydraulic mulching with HYDRO MULCH fibers can be less costly than straw mulching. That's because there's usually less hidden overhead. So while savings vary from project to project, you owe it to yourself to find out more. After all, the results are in black and white.

To see if Conwed can save you money on your next project, call (612) 221-1196. Or write us: Conwed Corporation, Fibers Division, P.O. Box 43237, St. Paul, MN 55164.

*HYDRO MULCH is a federally registered trademark of Conwed Corporation. Any use of HYDRO MULCH beyond reference to Conwed's wood fiber mulch may constitute infringement under the Trademark Laws of the United States.



CONWED

innovative products for better environments

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long service life. It is applied by rolling out over new plantings and an "X" is cut into the fabric. Plants are gently pulled through the hole. Excess fabric is folded under itself and covered with mulch. The product is available at local retail and wholesale nurseries.

Circle No. 186 on Reader Inquiry Card

New transplant system from Trans-Tree

A one-man system for digging, transporting and transplanting four mature trees has been introduced by Trans-Tree of Minneapolis. The Trans-Tree TTC-60 system combines a truck-mounted hydraulic tree spade and



special dual axle trailer with four metal cones to provide all work operations for mature trees with maximum 6-inch diameters. The curved blade tree spade fits the tiltable cones to ease placing and removing trees, root systems and soils from the cones. The spade unit is designed for mounting on a close-coupled dual axle 2-1/2 ton truck equipped with a 350-400 CID engine with PTO service.

Circle No. 187 on Reader Inquiry Card

New deposition aid improves spraying results

Sta-Put Deposition Aid, developed and manufactured by Nalco Chemical Company, will increase the amount of chemicals reaching the target within the spray swath.

Sta-Put increases the placement of farm chemicals, thereby increasing the consistency of performance by up to 30 percent. By increasing spraying effectiveness, a deposition aid minimizes potential complaints and call-back situations and reduces the chances of having to redo an area.

Sta-Put stabilizes spray droplet size, thereby creating a more efficient spray pattern. Furthermore, uniform droplet size helps minimize "fines" and their resultant premature evaporation. It does this by insuring that more spray solution actually reaches the target area.

INCREDIBLE



The HUSTLER Range Wing™ more than doubles your mowing capacity at about half the price of competitive units.

The incredible HUSTLER Range Wing maintains big acreage effortlessly. With three hydraulically lowered and raised decks spreading over 12-foot wide, you can cut a whopping 62 acres of turf a day. And, because each deck floats independently to follow ground contour, scalping is virtually eliminated. The result is a smooth, uniform cut that will make both the turf and you look very good.

Combined with the HUSTLER tractor's drive-wheel steering and dual hydrostatics, you'll find that the Range Wing performs with exceptional mowing maneuverability compared to large, tractor-pulled gang mowers.

Although the Range Wing was specially designed for the fuel-efficient diesel HUSTLER 305 D, there's also a 9-foot single wing version for the HUSTLER 295.

You must agree, the benefits are clear. With the HUSTLER Range Wing, you'll save time, money and op-

erator fatigue while enjoying increased productivity. That's why HUSTLER is... worth the difference.



An automatic clutch on each wing disengages blades when wing is raised. When cutting grass around lakes or ponds, the tractor's drive-wheels remain 4-foot up from the bank's edge for traction and control.

There are six HUSTLER models ranging from 18 to 32 hp with a host of attachments to meet year-round needs.



Call Toll-Free,
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or write for free literature:
EXCEL INDUSTRIES, INC.,
P.O. Box 7000, Hesston, KS 67062

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Sta-Put is easy for custom applicators to use. A measured amount of Sta-Put is measured into the spray tank while it is agitating. Sta-Put does not settle or lose activity when diluted.
Circle No. 188 on Reader Inquiry Card

New broad-spectrum from Cynamid

Arsenal herbicide, a broad-spectrum, postemergent systemic will be on the shelves starting next year after four years of testing in the U.S., Europe and the Far East. Applicable as a contact herbicide any time the vegetation is actively growing, Arsenal penetrates through both foliage and roots to the growing center of the plant. Growth ceases shortly after application, but complete kill can take up to two weeks. There is no fire hazard from undesirable quick-burn or brown-out. In perennials, the herbicide kills underground storage organs to prevent regrowth.

Circle No. 189 on Reader Inquiry Card

Accurate delivery with HB-Aqua

Del Rio of California, Fresno, is marketing a drip irrigation emitter that operates with constant and accurate delivery the full length of the line. The HB-Aqua emitter distributes approximately 3/4 gallon of water per hour at 14 PSI and above the full length of the line up to 1,000 feet. Drip irrigation on slopes will be delivered evenly while compensating for any pressure loss with this device.

Circle No. 190 on Reader Inquiry Card

Soil Seal for erosion control

The Soil Seal Corp. has a new soil stabilization product for erosion control, dust abatement and mulch tackifying. Soil Seal Concentrate forms a crust between 1/8 to 1-1/2 inches thick, depending on dilution and soil characteristics, to stabilize areas being prepared for seeding. The solution can be sprayed on existing vegetation without harmful effects, although delicate plants should be avoided.

Circle No. 191 on Reader Inquiry Card

Sand-Aid makes market debut

Following a successful year in selective test markets, Emerald Isle, Ltd. will introduce Sand-Aid nationally for the 1984 season.

Buy Blazon Here:

NEW ENGLAND

Tom Irwin Company
11-B A Street
Burlington,
MA 01803
617-273-0143

NEW ENGLAND

Turf Specialty
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Hooksett, NH 03106
603-485-7866

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Equipment Co., Inc.
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MD 21090
301-636-2400

WESTERN NEW YORK

Eaton Equipment
Corporation
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Hamburg, NY 14075
716-649-2020

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Wilson Feed & Seed
Co., Inc.
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804-232-6791

NORTH CAROLINA SOUTH CAROLINA

E.J. Smith and Sons
4250 Golf Acres Dr.
Charlotte, NC 28208
704-394-3361

GEORGIA

Lawn & Turf
P.O. Box 480
Conyers, GA 30217
404-483-4743

FLORIDA

Southern Mill Creek
Products Co., Inc.
5414 North 56th St.
Tampa, FL 33601
1-800-282-9115

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Gulf Shore Turf
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East Roberts Road
Pensacola, FL 32504
904-968-2183

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Birmingham,
MI 48011
313-647-7700

NORTH OHIO TO I-70, YOUNGS- TOWN, PA, WHEELING, WV

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216-452-8866

SOUTHERN INDIANA TO FORT WAYNE

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Specialty Co., Inc.
2929 West Kingsley
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TX: 1-800-424-4015

NORTHERN CALIFORNIA

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528 Valley Way
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408-945-8606

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CANADA

Deisgn Yarns
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West, Suite 310
Montreal 308,
Quebec
514-739-2208

Like the company's companion prod-
uct, Panasea, Sand-Aid is produced
from North Atlantic sea plants.

Panasea is a liquified sea plant
extract used primarily to strengthen
root systems and improve stress toler-
ance in turfgrasses. Sand-Aid is a
granular sea plant meal designed to be
used as a soil conditioner to coun-
teract compaction and also as a natu-
ral, organic constituent in topdressing
mixtures to increase nutrient and
moisture retention.

According to Emerald Isle's Presi-
dent, Bill Middleton, Sand-Aid is
completely unique in that it improves
both clay and sandy soils. It contains
alginic acid (a polyelectrolyte). This
natural carbohydrate, which makes
up 26.7 percent of Sand-Aid's material
analysis, creates an electrochemical
attraction between fine particles in
heavy clay soils, causing them to
aggregate into a more friable, less
compacted structure. In light sandy
soils, on the other hand, where mois-
ture and nutrient leaching can be a
problem, Sand-Aid acts as an emulsi-
fier, forming a highly desirable porous
aggregate, greatly increasing nutrient
retention and substantially reducing
water losses.

Sand-Aid can be applied by itself or
combined with gypsum to counteract
soil compaction. For best results, it
should be applied after aerification
with a rotary or drop spreader.

Circle No. 178 on Reader Inquiry Card

Aliette receives federal registration

Aliette 80WP fungicide has received a
federal registration for use on orna-
mentals to control Phytothphora root
rot, according to the manufacturer,
Rhône-Poulenc Inc., Agrochemical
Division.

Aliette may be applied as a drench
or soil incorporated. The product is
unique in that it has two-way sys-
temic activity, showing both upward
and downward translocation.

Aliette has been used worldwide
for six years without developing a sin-
gle case of resistant fungal strains.

Circle No. 179 on Reader Inquiry Card

Tree Spade handles 7-14-inch trunks

With eight narrow independent
blades, the Stocker '8' low-profile



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Tree Spade digs through tough clay, root masses and dense frost with a high tree survival rate. The Stocker Sales Co. product also digs a round hole, which eliminates the need to align the spade when transplanting. Each blade is powered by a 2:1 gear rack drive driven by twin pistons. For each inch of piston travel a blade travels two inches, which eliminates the need for hydraulic towers that make transplanting near buildings and walls difficult.

Circle No. 180 on Reader Inquiry Card

No tank foaming with Foamtrine

If foaming in your spray tanks is a problem, a silicone-based emulsion called Foamtrine will eliminate it. The Allied Biochemists Inc. product alters surface tension and physical characteristics to prevent and eliminate foaming within a wide range of water qualities, pH and temperatures. The U.S.D.A. has recognized the product as safe in food and Foamtrine is also non-toxic to plants and animals. No visible residues will accumulate on treated foliage.

Circle No. 181 on Reader Inquiry Card

Montar for post-emergent control

Monteray Chemical Co. of Fresno CA

has begun full-scale production of Montar herbicide for general post-emergent weed control. First introduced in 1958 as Phytar, Montar has been widely used in western states for controlling weeds on ditchbanks, roadsides, sidewalks, driveways, fences near buildings and ornamentals and other non-crop areas. Montar mixes readily with water, is odor-free and is available in quart, gallon and five-gallon containers.

Circle No. 182 on Reader Inquiry Card

Whisper Chipper versatile tool

Asplundh's Whisper Chipper is a self-feeding unit that easily transforms large branches by a ten to one volume ratio for mulch and bedding chips. The chipper features four chrome-alloy steel blades locked in a cast steel rotor and an energy-storing flywheel to provide added torque for uninterrupted chipping. A unique operator guide attached to the feed table directs workmen to feed from the best places for loading brush into the chipper while an adjustable chute eases placement of chipped material.

Circle No. 183 on Reader Inquiry Card

Chloroneb, Terraneb SP attacks turf diseases

Kincaid Enterprises, Nitro, WV, has purchased the rights to manufacture Demosan and Tersan SP from the E.I. DuPont Co.

Because of trademark laws, the fungicides are marketed under the names Chloroneb and Terraneb SP. Chloroneb and Terraneb SP fungicides will systemically control Rhizoctonia solani, sclerotium rolfsii, pythium and snow mold.

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