

# PRODUCTS

## Fertilizer spreader made to be compact, productive

Low maintenance and dependability are designed into the Model RS-30 from Classen Manufacturing.

This is a riding fertilizer spreader that can maneuver well in tight spaces (fits through a 30-inch gate), and put less fatigue on the operator.



Classen says the spreader has few moving parts, and can be used with most fertilizers.

The RS-30 is powered by an 8 hp Briggs & Stratton engine. A V-belt Peerless Transaxle drive has two forward speeds and one reverse.

The spreader covers up to 125,280 sq. ft. per hour.

Circle No. 191 on Reader Inquiry Card

## Four new out-front mowers ready to go

The Grasshopper Co. has introduced four new mowers for 1991. New models in the expanded Grasshopper out-front zero-turning-radius mower line are the 720, 721-D, 725, and 411R Mini-Hopper.

The models 720, 721D and 725 were designed to tackle high-acreage mow-



ing. All mowers in the series feature the exclusive Gemini dual-hydrostatic, direct-drive system designed specifically for turf applications.

The Gemini direct-drive delivers increased responsiveness, ease of operation, reduced maintenance and longer service life, Grasshopper claims.

Also new for 1991 is a series of ultra-low-profile EZ-Lift out-front decks in 48-, 52- and 61-inch cutting widths. All 700 Series mowers can be equipped with Grasshopper's heavy-

duty 72-inch deck. A new steering lever design incorporates high-density foam padding and an adjustment feature for maximum operator comfort.

Circle No. 192 on Reader Inquiry Card

## Trencher's drive system eliminates PTO damage

Kwik-Trench Earth Saw Co. has released the new model K-T 200 double V-belt drive protable trencher.

According to the company, the trencher offers superior performance, quality fabrication, and fast digging speed.

The V-belt drive system totally eliminates all engine vibration and any PTO damage due to operator abuse in problem digging areas.



The unit cuts a 6-inch root in seconds and still leave a clean trench. Digs are adjustable to 8 inches deep, 2 inches wide. It travels between 20 and 30 feet per minute.

Circle No. 193 on Reader Inquiry Card

## Four-wheel drive powers new excavator

J.I. Case has introduced the Model 1085C Cruz-Air excavator with four-wheel drive power for tough off-road



applications.

The 1085C is powered by a Case 6T590 turbocharged diesel engine

rated at 133 SAE net hp.

Ground drive and attachment operate independently, so power flows simultaneously to both. Operators can use attachment power to help push the unit if the wheels slip.

Rough-terrain capability is enhanced by a 16-inch ground clearance and 17 x 25-inch tires. Operators can choose two or four outriggers, each one independently controlled.

Circle No. 194 on Reader Inquiry Card

## First all-hydraulic trencher/plow is here

Ditch Witch has introduced what it calls the first, all-hydraulic Modularmatic trencher/plow.

The 50-hp Model 5020 represents a new generation of Ditch Witch Modularmatic units, the first to have a hydraulic digging chain/vibratory plow drive.

The 5020 is available with a full complement of Modularmatic work modules, including utility backhoe, vibratory plow and combo attachments. The digging attachments use power-efficient hydraulic components that maximize torque for greater productivity. The 5020 has easy-to-use operator controls and a work station that allows the operator to swivel the seat easily to view the work being done.

The digging module drive uses a company-designed double reduction gearbox, available in three speed options for hard, standard or easy digging conditions.



Circle No. 195 on Reader Inquiry Card

## Storage tanks provide full reg compliance

Ultra Tank provides what it says is a safe way to store fuels and other hazardous materials, combining the security of a UL-listed secondary containment system and the convenience of an aboveground tank.

Ultra Tank aboveground tanks  
*continued on page 45*

meet NFPA-30 and provide full regulatory compliance for storing and dispensing hazardous materials, including gasoline, diesel fuel, lubricants, hydraulic oils, waste oils, coolants and solvents.

Available in 120- to 1300-gallon capacities, in single- or double-wall units.

**Circle No. 196 on Reader Inquiry Card**

### Gear-driven sprinklers with adjustable arcs

Hunter Industries has introduced the I-40 ADS and I-25 ADS, new gear-driven rotary sprinklers with adjustable arcs.

The arc feature allows the installer to set the arc at any increment between 40° and 360°. Hunter says the adjustable arc feature lets the unit irrigate more efficiently and with less water waste.

Especially suited for commercial use, these sprinklers share many common features. A moderate to heavy ca-



capacity sprinkler, the I-40 ADS has five interchangeable nozzles which vary the discharge rate from 7 to 25.3 GPM. It covers a radius from 45 to 68 feet.

**Circle No. 197 on Reader Inquiry Card**

### Aerator/slit-seeder has reverse action

The Olathe Model 84 walk-behind aerator/slit-seeder comes with a new reverse action clutch for added operator maneuverability and ease of operation.

The Model 84 is equipped with an 18 hp engine for heavy-duty renovation jobs. Features include the patent pending Shatter Blade, which requires less power yet brings up more topdressing.

Remote seed shut-off allows the operator to shut the feed off at any

time. One handle engages blades and sets depth, and rear-wheel drive helps prevent surging common to front-



wheel-drive units.

**Circle No. 198 on Reader Inquiry Card**

### Hazard communication for the turf industry

Techne Train, Inc. offers a complete Hazard Communication Right-to-Know training program for the turf industry.

A complete instructional package includes manual, training video and 20 employee handbooks.

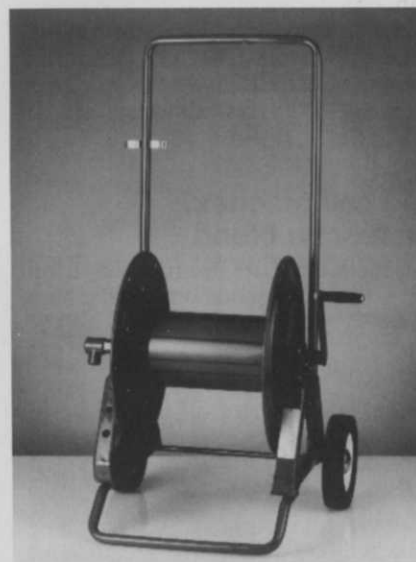
The cost is \$295. It includes a one-year subscription to the quarterly newsletter, and one year of telephone consultation with Techne-Train's Industrial Hygienist.

**Circle No. 199 on Reader Inquiry Card**

### Hose reel features detachable handle

Hannay Reels, the largest designer and manufacturer of hose and cable reels, now makes a compact, lightweight, portable hose reel that incorporates a detachable handle.

The detachable handle, in addition to making storage of the reel more compact, also means a significant sav-



ings in shipping costs because the reel can now be shipped via United Parcel

Service.

The portable hose reel, Model 1100, is rugged and durable, under the roughest working conditions. With the use of this reel, Hannay says that you'll get hose to any job site without piling or lugging it along.

**Circle No. 200 on Reader Inquiry Card**

### Turf wetting agent available in tablets

Lesco Wet non-ionic turf wetting agent is now available in 4 oz. tablets.

Lesco Wet increases the ability of water to penetrate compacted soil or dense thatch. It can be used to eliminate localized dry spots, help drain



standing water, enhance pesticide penetration and encourage deeper plant rooting.

Lesco Wet can be sprayed directly on turf without burning fine turfgrass.

According to Lesco, each tablet gives about 30 minutes of measured treatment, based on using a 3/4-inch hose and using the Buckner nozzle at 60 to 100 psi.

The product is also available in a granular formulation or liquid concentrate.

**Circle No. 201 on Reader Inquiry Card**

### New backpack sprayer holds four gallons

Ames Lawn and Garden Tools has added a new four-gallon backpack sprayer to its expanding line of lawn and garden sprayers for home and commercial use.

The ergonomically designed, manually operated sprayer—Model 21-960—is ideal for pest and weed control on lawns and gardens, greenhouses and tree nurseries.

With a high-grade polyethylene tank and chemically resistant Vitron soft parts and pump piston collar, the new sprayer provides high impact strength while eliminating rust and corrosion. The unit also features molded-in, zinc-plated steel tube frames and stand for added stability.

Up to 90 psi high pressure piston pump with fan and hollow cone



nozzle tips to insure effective spray atomization to meet specific needs.  
**Circle No. 202 on Reader Inquiry Card**

### Mid-size walk mowers have been redesigned

Exmark Manufacturing says its new premium mid-size walkers are proven, long-life performers. The top-of-the-line 48- and 36-inch premium walkers feature exclusive new operator conveniences such as a redesigned control panel, Soft Touch drive levers, five-speed in-line gear shift



and an extra large fuel tank.

Posi-Track pulleys give traction in wet conditions. The Constant-Control drive system with double idlers prevents downhill runaway and free-wheeling on slopes, and the Lo-Torq transmission drive system offers easier shifting and reduced transmission stress.

**Circle No. 203 on Reader Inquiry Card**

### Granular spreaders fit any pick-up tailgate

The Meyer Co. of Enumclaw, Wash. has concluded a license agreement with T.G.E. of Surrey, British Columbia to manufacture and market portable engine driven granular spreaders.

The Tail Gator Spreader weighs 180 lbs. It fits any pick-up tailgate or platform to spread any dry to damp

granular material.

For winter use, the Tail Gator Spreader can disperse snow and ice melters. In the summer, the Spreader handles seed/fertilizer, insect and weed controls, soil amendments, and gasoline and oil spill absorbers along roadsides.

The Tail Gator hopper holds 4 cu. ft. of product, which dispenses in 12 to 17 minutes at 1/2 open gate.



**Circle No. 204 on Reader Inquiry Card**

### Software system identifies 320 various weed species

The Western Expert Educational Diagnostic System (WEEDS) is a random access software package which allows the user to identify any of the 320 species illustrated in "Weeds of the West."

By selecting a few plant characteristics, you will be able to sort out any species in the book. The large number of menu choices and selection functions will accommodate a great variety of skill levels and plant conditions.

The program is accompanied by an extensive illustrated manual explaining how to recognize the characteristics used in plant identification.

It was developed by Richard Old, Robert Dobbins, Patricia Hine and Rober Calihan, University of Idaho.  
**Circle No. 205 on Reader Inquiry Card**

### New tall fescues, tall fescue blend

The Medalist Turf Products Division of Northrup King has introduced two



new, improved tall fescue varieties, Amigo and Arriba. The two new vari-

eties will be blended with Arid tall fescue, and offered to the professional turf market this fall as "The A-Team."

These improved dwarf varieties are representative of Northrup King's continued belief in tall fescue as a burgeoning species for today's more sophisticated turf manager.

"Amigo, Arriba and Arid are exceptional grasses," says Dr. Eric Nelson, director of turf research. "Each one has excellent drought and heat tolerance, fine texture, pleasing color and many low-maintenance characteristics."

**Circle No. 206 on Reader Inquiry Card**

### New backhoe mounts on Mustang loaders

The Du-Al 1015 backhoe adds even greater versatility to the 930A Mustang skid steer loader.

The Du-Al 1015 backhoe is ideal for light duty commercial applications in rental, construction, electrical, plumbing, landscape and agricultural industries.

The 1015 mounts and dismounts on your skid steer loader tractor in minutes and features a 7 1/2-foot digging depth. It is also available in 10-, 12-, 16-, and 24-inch bucket widths and converts to a category 1 three-point hitch.



**Circle No. 207 on Reader Inquiry Card**

### Feeding combines with safe grub control

Lebanon Total Turf Care has introduced Country Club 19-4-6 with Sevin for use on lawns, parks, golf courses and other professionally maintained turf areas.

Lebanon's Country Club 19-4-6 with Sevin brand carbaryl insecticide provides premium feeding together with safe, dependable control of common white grubs and a broad range of surface feeding insects.

Lebanon says turf care professionals can rely on Country Club to prevent damage to turfgrass areas and to insure fast green-up and sustained feeding. When used as directed, the product will provide control of turfgrass pests, including white grubs,



armyworms, chinch bugs, cutworms, earwigs, grasshoppers, sod webworms and ticks.



Circle No. 208 on Reader Inquiry Card

### Broom attachment brushes away snow problems

The Melroe Company of Fargo, ND, has introduced an angle broom attachment which fits most of its Bobcat loader models. The unit has a 68-inch straight sweep width, making it compact enough to get into tight corners, and against walls and fences.

The unit is ideal for public institutions and businesses wanting to keep sidewalks, driveways and small parking



areas free of light snow, dust and debris.

A rubber-dampened floatation system allows the broom bristles to float on the surface. An electric actuator, operated from the cab, angles the broom up to 25 degrees left or right.

The unit features 5° of oscillation, either direction, for better operation on uneven surfaces. The broom is powered by the loader's auxiliary hydraulic circuit, and operates at 125-250 rpm.

Circle No. 209 on Reader Inquiry Card

### Side discharge deck suits larger acreage

The Toro Company has introduced a new 62-inch ProLine side discharge deck.

The three-bladed deck was originally designed for Toro's large Groundmaster mowing products.

"Cutters have been asking for a bigger deck for their mid-size, walk-behind mowers," says Jim Wallace, ProLine marketing manager. "Commercial cutters increasingly are mowing larger acreages. They want to increase productivity without adding more crews. Our new 62-inch deck will help them do that because it cuts 20 percent more grass than the standard 52-inch deck."

The deck features counter-balance springs for improved deck floatation. Front and back anti-scalp rollers and an adjustable gauge wheel minimize scalping.

Cutting height can be adjusted



from one to four inches.

Circle No. 210 on Reader Inquiry Card

### Mower provides traction on slopes and bunkers

The Hustler 640 Hillsider from Excel Industries features full-time, six-wheel drive that provides unmatched traction, stability and comfort.

The 640 was designed to handle steep slopes, bunkers, hilly roadsides



berms and rough terrain.

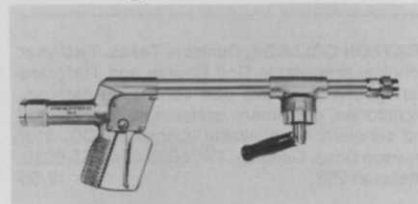
The self-leveling feature automatically tilts to keep the operator's station level for optimum comfort and productivity. This design is unique

because the engine is also held level, allowing for proper lubrication at all times. The tractor's weight distribution remains constant over the drive wheels for exceptional traction and balance.

Circle No. 211 on Reader Inquiry Card

### New long-range gun reaches the tall trees

A new longer-range tree spray gun from Spraying Systems Co. has an effective range of over 75 feet.



It is designed for large shade trees or along roadsides requiring maximum throw and safety.

"The gun is designed to be very operator-oriented," says Dr. Stephen Pearson, technical service manager. "A staged valve opening and front handle spray patten adjustment allow operators to maintain spray accuracy at all times."

A new "low kick-back" design gives operators total control of the gun and minimizes the risk of accidental exposure.

Circle No. 212 on Reader Inquiry Card

### 16-foot swath mows down the big jobs

Jacobsen's HR-15 mower has a cutting width of nearly 16 feet.

Jacobsen calls the HR-15 the only



mower with hydraulic rotary decks or Jacobsen's fine-cut flail decks. Available in either hydrostatic or manual transmission.

The HR-15 is powered by an 80-hp Perkins diesel engine, and a design proven durable by years of use in the field. Its three 72-inch decks are interchangeable for quicker servicing and lower maintenance costs.

Easy to operate, with adjustable seat, power steering, and cruise control on hydrostatic transmission models.

Circle No. 213 on Reader Inquiry Card