**Operator controls lend added safety**

Exmark Manufacturing Company has added Operator Presence Controls (OPC) to its full line of commercial power mowers. The company says the controls provide precise fingertip control for safe and easy operation.

When OPC levers are released, the mower engine stops automatically if either the blade or wheel drive are engaged. Easy grip OPC levers are on the mower handles, increasing effectiveness and reducing operator fatigue.

Circle No. 191 on Reader Inquiry Card

**Equipment injects turf with polymers**

Rainsaver, Inc. manufactures equipment useful for placement of starch-based polymers at the turf root level. According to Rainsaver, these water-absorbent polymers reduce water use by about 50 percent.

Circle No. 192 on Reader Inquiry Card

**Five-hp engine guns into market**

Tecumseh Products Co. of Grafton, Wisc. has introduced the five-hp OVRM50 engine. Sources at Tecumseh say the engine provides a 25 percent increase in horsepower.

Both the OVRM40 and OVRM50 are equipped with an automotive-type paper air filter, two-quart, no-rust fuel tank with large fill opening, easy access oil fill and dip stick and long-lasting muffler.

Circle No. 193 on Reader Inquiry Card

**Flow sensors measure for all services**

Data Industrial of Pocasset, Mass. now offers a new line of 4000 Series flow sensors. The sensors' in-line, flow-through design uses a tangential six-bladed impeller for liquid flow measurement. The sensors are offered in nominal 1/2", 3/4" and 1" pipe sizes, and are molded of PVC, CPVC and PVDF materials for all services, including deionized water and corrosive fluids. Pressure ratings of 350 PSI @ 70° and temperature ratings of 220° at 96 PSI are available depending on material selection. The unit's non-magnetic detection circuit provides accuracy within 1% full scale.

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EASY COME.
The 4000 Series units are compatible with a full range of Data Industrial transmitters and displays.

Circle No. 194 on Reader Inquiry Card

Biostimulant has had good results

ROOTS is a new root growth enhancer developed to promote root growth in turfgrass, trees and ornamental plants. ROOTS is composed of cold and warm water keip extracts, humic acids, plant enzyme catalysts and a metabolizing agent. It may be mixed in dilution with most fertilizers, pesticides and herbicides except calcium nitrate and calcium phosphate.

For best results, dilute one gallon in at least 50 gallons of water.

Circle No. 195 on Reader Inquiry Card

Three-in-one helmet for safe trimming

A tri-function helmet system developed by Stihl for logging and tree trimming professions features a patented bright orange to promote the visibility and safety. Available with a patented rear rain shield.

Circle No. 196 on Reader Inquiry Card

Disc trencher in the groove

Dosko offers two models of disc trenchers, both with a maximum below grade cutting capacity of one foot.

The RC-14 is powered by an 18 hp/2800 RPM Kohler gasoline engine with electric start.

The smaller RC-12 is a 12 hp/2800 RPM gasoline model with recoil start.

Trench widths for both models are

EASY GO.

The invasion is coming. An army of hungry insects, ready to destroy everything you’ve worked so hard to achieve.

But with new TEMPO® insecticide, they’re stopped dead in their tracks. On arrival. With excellent residual control. And all while using about 60% less chemical than most of the competition.

It’s really a simple idea. Ornamentals need protection when insects mount their attack. With new TEMPO, the battle is over before it’s even started. No contest.

Mobay Corporation
A Bayer USA INC COMPANY

Tempo is a TM of Bayer AG. Germany. ©1989 Mobay Corp. 62891

Circle No. 135 on Reader Inquiry Card
Custom control system monitors application

The CCS100 Custom Control System from Dickey-John automatically maintains a preselected application rate for herbicides, insecticides, fungicides and liquid fertilizers, even as ground speed varies.

The system features a quick-acting, stainless steel control valve and sealed components for reliability and weather resistance. Digital readout displays pressure and gallons per acre or gallons per 1000 sq. ft. The unit also contains an audible alarm system to warn of inaccurate application.

Control chemical drift with new spray tip

The XR TeeJet from Spraying Systems Co. may help turf applicators reduce the risk of chemical drift and eliminate weeds entrenched in rough terrain.

The patented extended-range spray tip is designed to maintain a consistent pattern over a wider range of spraying pressures. With the extended-range tip, applicators can adjust droplet size and flow rate without stripping down booms. To control drift, adjust the XR TeeJet to as low as 15 PSI (60 PSI maximum for broadcast spraying). Spray angles range from 80 to 110 degrees.

Conserve smarter with RC controllers

Rainbird has updated its line of RC Series electro-mechanical controllers. The RC-4C, RC-7C and RC-1260C now feature a terminal strip for convenient installation of field wiring to valves and a quick-disconnect plug for easy connection of the controller panel.

The RC Series is available in four, seven or 12-station models. A master power switch permits system shut-down during rain and retains the program during system maintenance.

Available with station timing of three or six minutes to one hour per station. Program up to one to 23 automatic starts per day.

Backhoe equipped for greater depth

New Age Equipment, Inc. of Lafayette, Ind. has released its Model 99 high performance backhoe for skid steer and 3-point hitch applications.

An extendable dipperstick in-
increases depth and reach by two feet over the standard nine-foot model. The backhoe features 2" diameter chrome moly pivot pins that run on steel backed bronze/polymer replaceable wear bushings of 100-hour lubrication intervals.

Other options include: externally capped hydraulic cylinders with replaceable hardened steel wear bushings; SAE 100 R-2 hydraulic hose; o-ring ports; high strength alloy steel tapered section bucket.

Watering tube also keeps out weeds
The Growth Ring Watering Tube can be used to fertigate young trees and plants while at the same time keeping weeds out of tree basins.

The Growth Ring, says Caleb Industries, which manufactures it, "gives your plants the kind of irrigation that they like best—one that is not too wet to choke off oxygen from the roots and not so spasmodic as to put them in stress when you wait too long to water."

The ring, after being filled, can be covered with a light layer of mulch or soil to discourage vandalism. Circle No. 201 on Reader Inquiry Card

Computer system meant for the little guys
A personal computer system designed for smaller companies is new from Thornton Computer Management Systems. The IBM compatible Altos 500 system is configured specifically for companies with 1 to 3 person offices.

The system contains 2 megabytes of memory and a 40-megabyte hard disk, one monitor that can expand up to three, and a 24-pin dot matrix printer with letter quality.

Prices start at $15,890, including hardware and SLICE Green Industry software, telephone support and classroom instruction. Circle No. 203 on Reader Inquiry Card

Flowable Morestan gets EPA go ahead
The Environmental Protection Agency has accepted for registration Mobay Corporation's new flowable formulation of Morestan 4 ornamental miticide, registered for use on flowers, shrubs and trees, and is free of harmful solvents.

Mobay sources add that the smaller particle size in the flowable product allows for more thorough distribution on the leaf surface, thus of-
ferring better coverage and better control. Visible residue is eliminated on practically all leaf surfaces.

Morestan 4 is available in quart sizes with “Caution” label. Not available in California.

Circle No. 206 on Reader Inquiry Card

Seed Company expands growing supplies line

Ball Seed Company has expanded its complete line of growing supplies to include the full range of high-quality Envy soluble powder fertilizers.

Envy fertilizers are made from the highest grade raw materials, and are uniformly consistent for quick, even absorption by plants. A soluble wetting agent assures reduced watering and faster, more uniform distribution of the nutrients.

The eight formulations include two general purpose blends, 20-20-20 and 20-10-20; 13-16-32 poinsettia finisher; 16-2-16 lily special; 20-2-20 low phosphorus blend; 15-16-17 peat-lite special; 20-5-30 potash special and 24-8-16 for tropical foliage.

Circle No. 207 on Reader Inquiry Card

Natural herbicide controls moss, algae

Moss & Algae Eraser from Lesco, Inc. provides selective control in turfgrass and other areas.

A quick-acting, natural fatty acid herbicide, the product is registered for use on all turfgrasses.

It also works on roofs, sidewalks, decks, trees, growing containers and other surfaces.

The liquid concentrate can be applied with any sprayer, and is packaged in 2-½ gallon containers.

Circle No. 208 on Reader Inquiry Card

Emitter delivers water where and when needed

The Iso-Flo pressure compensating emitter is designed by Agrifim to deliver a constant amount of required water at pressures of 10 to 40 psi.

The emitter is made of polypropyl-
ene, and Agrifim says it can withstand severe environmental conditions. Its barbed feature allows it to be directly plugged into the supply tubing or used off-line with standard feeder or distribution tubing.

Circle No. 209 on Reader Inquiry Card

Extend your reach with new flail mowers
Beaver Equipment Limited has introduced two new three-point linkage mounted flail reach mowers.

The P12 and P15 can cut and mulch up to two years growth in roadsides, drainage ditches, field boundaries and hedges. Cuttings are discharged uniformly behind the cutter head over its full cutting width.

Beaver offers a choice of three cutter head sizes. Flail cutter heads are available in 40-, 48-, and 60-inch cutting widths. With the cutter head fitting, the P12 offers a horizontal reach of 144 inches. The P15's reach extends to 187 inches.

The company says both mowers have huge fence clearance, making them ideal for highway mowing over guard rails and fences.

Circle No. 210 on Reader Inquiry Card

Safe storage easy with prefab building
A new fire-rated storage building from Safety Storage, Inc. is designed to provide a prefabricated, relocatable structure for safe storage of flammables, chemicals and other hazardous materials.

The new buildings are Factory Mutual System approved and incorporate two-hour, Class A flame spread rated roof and ceiling, as well as two-hour Class A flame spread rated walls extending down to ground level.

Safety Storage, Inc. says the buildings can be located on any flat surface adjacent to or inside existing buildings, subject to local regulations and conditions stated in Factory Mutual guidelines on hazardous materials storage.

Circle No. 211 on Reader Inquiry Card

Drums march to the safety beat
A new line of lightweight, non-corrosive polyethylene drums from Direct Safety Company comply with Department of Transportation regulations for shipping and storage of hazardous chemicals.

Available in 15, 30-and 55-gallon sizes and six colors, the drums have 2" and ¾" plugs.

Circle No. 212 on Reader Inquiry Card

Repair fitting is convenient, economical
Slip-Fix, an in-line PVC repair fitting from AMS Plastics is designed for quick and easy installation of valves, repair of broken water lines and the addition of laterals and risers.

When combined with a male adapter, Slip-Fix can be installed with a valve on either the pressure or non-pressure side, for fast and convenient in-line service.

Slip-Fix is available in ½ to 4-inch sizes, with a 1500 PSI rated O-ring and pressure ratings to Schedule 40 tolerances. A patented O-ring relief helps maintain the O-ring's shape and mobility, ensuring leakproof operation.

Circle No. 213 on Reader Inquiry Card

One-piece fitting for easy assembly
A new Unitized Swing Joint from Lasco Fittings is a one-piece molded swing arm with no welded joints. The standard 12-inch lay length can be increased by adding a top-out nipple. A choice of inlets is provided to fit the system and various outlets may be specified to fit sprinkler heads.

The new swing joint is available in 1", 1 1/4" and 1 1/2" diameters, all pressure rated at 200 PSI/73° Fahrenheit. It features leak-proof O-rings seated in sealing grooves free of parting lines.

The Unitized Swing Joint carries a three-year performance warranty.

Circle No. 214 on Reader Inquiry Card

Pellets spot treat the dry turf areas
Aquatrols has reformulated its Aqua-Gro soil wetting agent into pellets. The Advantage Pellets are applied through a hose-end unit, for treatment of localized dry spots. Aquatrols predicts turf managers will receive about twice the active ingredient of competitive pellets at a lower cost per pellet. Each pellet treats up to one acre of turf.

The Advantage Applicator features a hose quick couple and comes complete with fittings for a one inch hose and an adapter for a ¾ inch hose.

Circle No. 215 on Reader Inquiry Card