

PRODUCTS

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

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. 192 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.



The Rainsaver equipment slices the turf every three to six inches, and then injects liquid polymers to a depth of 2 to 2½ inches into the root zone. The polymers hold up to 250 times their weight in water.

Rainsaver says the equipment is well suited for subsurface application of pesticides for grub and mole cricket control.

The Rainsaver 360 is designed for lawn care and industrial park areas. The Rainsaver 960 is designed for larger areas and can cover 12 to 20 acres a day with its 7½ inch swath.

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 ½", ¾" 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 98 PSI are available depending on material selection. The unit's non-magnetic detection circuit provides accuracy within 1% full scale.

EASY COME.



Top row: Leaf-feeding caterpillar, Mealy bug, Japanese beetle, Bagworm, Gypsy moth. Bottom row: Cankerworm, Leaf skeletonizer, Tent caterpillar, Webworm.



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 ex-

cept 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 pat-



ented front visor sealing. The visor keeps saw dust and debris from falling between the mesh screen and hard hat.

The lightweight system has a noise reduction rating of 22 decibels. Col-

ored 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.

NEW!

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



Specialty Products Group
Box 4913, Kansas City, MO 64120

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Circle No. 135 on Reader Inquiry Card

two, three and four inches.
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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.

Circle No. 198 on Reader Inquiry Card

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.

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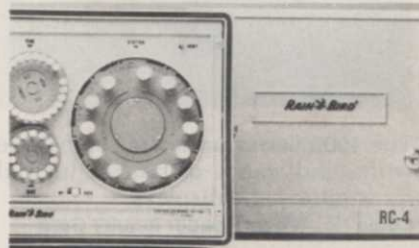
Conserve smarter with RC controllers

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.



Circle No. 200 on Reader Inquiry Card

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-

MITE.



creases 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.



Circle No. 201 on Reader Inquiry Card

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. 202 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

Handle the rough stuff with Brouwer forklifts

New Brouwer rough terrain forklifts feature 5000-8000 lbs. capacities and 12-21 ft. masts.

The lifts are described as compact, light and rugged with tight turning radius for exceptional maneuverability.

Shuttle/torque converter features "on-the-move" shifting.

Circle No. 205 on Reader Inquiry Card

Flowable Morestan gets EPA 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-

MIGHTIER.

NEW LIQUID FORMULATION!

In the battle for healthy ornamentals, only the strong emerge victorious. And the weak fall by the wayside.

Introducing new flowable MORESTAN® 4 Ornamental Miticide.

With MORESTAN, you get the strength you need to defeat even the worst mite infestations, the type of infestation that can devastate an entire



ornamental crop. Superior performance in a water-based liquid formulation, free of solvents that can cause phytotoxicity. With proven knock-down power, strong ovicidal activity and excellent residual control.

MORESTAN. For the power to control the mightiest of mite problems.

Mobay Corporation
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Specialty Products Group
Box 4913, Kansas City, MO 64120

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Circle No. 132 on Reader Inquiry Card

fering 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-

GENTLE GIANT



Big John Model 90AA. The biggest transplanter you can buy. Also the kindest to trees.

Big John forms an expert nurseryman's rootball. With plenty of firm, undisturbed soil around the roots. And it pampers trees in transit, so they live and thrive without setback.

Get more information on The Gentle Giant, and the entire Big John family, down to 32". Call 1-800-643-8039 or in WI 414-679-0318.

BIG JOHN

The gentle giant



BIG JOHN TREE TRANSPLANTER SALES

Circle No. 103 on Reader Inquiry Card

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 cut-



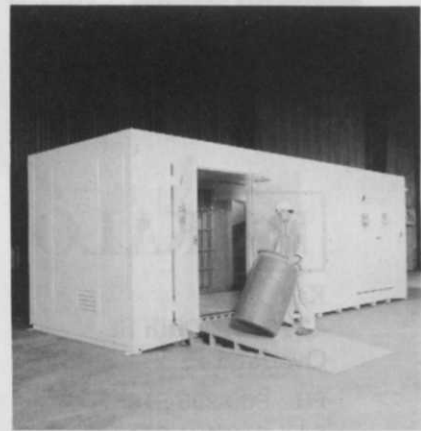
ter head sizes. Flail cutter heads are available in 40-, 48-, and 60-inch cutting widths. With the cutter head fitting, the P12 offers a horizontal reach of 144 inches. The P15's reach extends to 187 inches.

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 3/4" 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 1/2 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 3/4 inch hose.

Circle No. 215 on Reader Inquiry Card