

post-emerge control

& Nutsedge

in ornamental turf



Jim Deiman of Metro Airports Commission, Minneapolis-St. Paul, bought a jug of Trimec Plus last year so he could order an SP1E back pack sprayer for only \$49.95. Today he insists that the back pack sprayer loaded with Trimec Plus is the ideal combination for spot-spraying crabgrass, nutsedge and broadleaf weeds.



Paul Branon, a Lawn Doctor franchisee in Acton, Mass., used to lose business when crabgrass germinated before he was able to put down his pre-emerge. Today, he couldn't care less when crabgrass germinates because now he knows he can get it economically and dependably with post-emerge Trimec Plus.

"You can count me as one of those who wanted to test Trimec Plus," says Jim Deiman. "But I'll admit my yen for a back pack sprayer was every bit as urgent as my curiosity about Trimec Plus."

Deiman is in field maintenance for the Metro Airports Commission (MAC), based at Minneapolis-St. Paul International Airport. The MAC is not only responsible for the restricted 3,200 acres in Minneapolis, but also the six reliever airports in the seven-county metro area.

The landscape maintenance in the highly visible non-restricted areas which comprise the public entryways to the airports is handled by subcontractors appointed by MAC.

"We've been using a broadcast of Classic Trimec in our low-visibility restricted areas for a number of years," says Deiman, "but we've never been especially interested in Trimec Plus because we're not too concerned about crabgrass in low-visibility turf."

"But my home lawn is different," continues Deiman. "Crabgrass is a major problem for me."

Needless to say, Jim Deiman is one of the thousands of landscapers who has bought a jug of Trimec Plus and sent in for a back pack sprayer. So what does Deiman have to say about it now?

"We are very definitely going to recommend Trimec Plus and the back pack sprayer to our subcontractors who maintain the highly-visible turf in front of our airports," says Deiman. "Nothing makes as much sense in this environmental age as spot-spraying ornamental turf with Trimec Plus."

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HERBICIDE

752-591

Circle No. 125 on Reader Inquiry Card



WHEN A BURGLAR STRIKES

If your company is burglarized, here are things you can do to guarantee a thorough investigation and increase the odds the thief will be caught.

by Steven Scarborough

Most company owners would prefer not to think about it, but thousands of businesses are burglarized every day. It happens about once every 49 minutes in the U.S., accounting for more than \$4 billion worth of property losses each year.

If your business is robbed or vandalized, you can help the police and your business by taking an active part in the investigation.

Many police departments, especially those in metropolitan areas, are overworked, and have little time for crimes like break-ins and

vandalism. They will visit the scene and try to find the culprits as well as your missing property, but they don't always have the manpower or resources to follow-up on every crime, no matter how important it seems to you. Here are some suggestions from veteran police investigators from around the country on how you can help.

1. Don't be a hero

Never make an attempt to confront a thief, either during or after the crime. If you are working late or arrive early to discover your business

has been broken into, do not enter the building; the thief may still be hard at work. Leave your building immediately and go to a nearby phone to call the police.

"Few burglars actually carry weapons," says retired Burbank, Calif. policeman Joseph Dahlia, now a chief of security. "But you don't want to corner the one that does. Commercial burglars are more often armed than residential burglars."

2. Secure the scene

Make sure every area that has been disturbed is preserved and remains untouched by employees.

It's natural to want to prepare for the business day and have the cleaning crew tidy up, but don't. "It may be embarrassing to leave products or papers strewn about the business," says Henry Truszkowski, Las Vegas Metro Police identification specialist, "but touching them could destroy evidence."

Don't clean up broken glass. Glass from a window or door that is broken to gain entry is a good surface for fingerprints.

3. Call at once

Notify the police as soon as the break-in is discovered. "The best time to catch criminals is within 48 hours of the crime," says Dahlia. While you are waiting for the police to arrive, start listing missing items. List especially those missing items you think can be easily pawned. Open drawers or move items with a long screwdriver or thin object to avoid obliterating fingerprints. Don't use a handkerchief to touch things. You won't leave fingerprints but you may damage fresh prints on a surface.

Give a copy of the list to the responding police officer, and ask for a supplemental report form, which you can use to add items you might discover missing later.

4. Record serial numbers

Give police the serial numbers of missing items, whenever possible. The FBI keeps a record of stolen items in its National Crime Information Network, which is accessible to all law enforcement agencies. The police can add your items such as tools, machinery or office equipment to the database and see if it turns up later among recovered items.

According to New York FBI agent Arthur Vallejo, entries can only be made with a serial number. "The faster the NCIC record is made, the better your chance of retrieving stolen

The silent warning

A monitored security system with silent alarm can ensure that a break-in will be detected and reported while in progress.

"We will slow (thieves) down, we will detect their presence, and we will respond accordingly," says Connie Pederi, sales and marketing manager for Gillmore Security Systems, Cleveland, Ohio.

Gillmore has been listening in on—and notifying police of—break-ins for 20 years. Its trademark blue-and-white signs, conspicuously placed in yards or windows, serve as fair warning to would-be Pink Panthers: "if you break in, we'll be listening."

When activated, a Gillmore system will report a break-in or fire to the company's control center. The control center operator then notifies local authorities.

A special zoning feature identifies which entrance has



Connie Pederi

been forced. The alarm also sends a silent emergency signal if it is somehow disarmed.

The alarm also reports any malfunction of sensors, wiring, power loss or low battery.

Pederi says installation of a security system can take two or three days, depending on customer needs and the size and construction of the building.

—Terry McIver

goods," says Vallejo.

5. Call in forensics

Insist on a fingerprint technician. The responding officer is there to get the facts; he's not a fingerprint or forensic expert. He may even decide that you have no items to process for fingerprints. But it's yours and your company's property, and you can request an expert to decide if fingerprints can be found.



HOW BURGLAR-PROOF IS YOUR PLACE OF BUSINESS?

	(CHECK ONE)		SCORE FOR "YES" ANSWER
	Yes	No	
1 Do you always lock all exterior doors at closing time?	<input type="checkbox"/>	<input type="checkbox"/>	15 points
2 Are your windows protected by well-anchored bars or grilles, and are all miscellaneous entries such as skylights, sidewalk openings, cellar entrances, and transoms locked securely when not in use?	<input type="checkbox"/>	<input type="checkbox"/>	15 points
3 Is the interior of your place of business adequately lighted during the night after closing?	<input type="checkbox"/>	<input type="checkbox"/>	15 points
4 Is your safe visible from the street through your front window?	<input type="checkbox"/>	<input type="checkbox"/>	15 points
5 Do you have Yale pin-tumbler locks with deadlocking features on all exterior doors and do you have double cylinder pin tumbler locks on all doors with large panes of glass?	<input type="checkbox"/>	<input type="checkbox"/>	15 points
6 Have you a good burglar alarm system, and is it inspected regularly?	<input type="checkbox"/>	<input type="checkbox"/>	10 points
7 Do you always leave your cash register unlocked with drawer open after closing time?	<input type="checkbox"/>	<input type="checkbox"/>	5 points
8 If you use a night watchman, have you had him carefully investigated and is he thorough in his duties?	<input type="checkbox"/>	<input type="checkbox"/>	5 points
9 Do you keep up-to-date lists of serial numbers of valuable merchandise?	<input type="checkbox"/>	<input type="checkbox"/>	5 points
My Business Protection Score Is:	<input type="text"/>		100 points*

* A score of 90 or better indicates you are doing a good job of foiling burglars; a score of 85 means that you are doing a fair job; a score of 80 or less means that your place of business may become a burglar's delight.

Go around the area, noticing exactly what was touched by the burglar and where he may have gained entry. This will help to show the fingerprinting specialist exactly where to process for fingerprints. "A crime victim really helps when they know exactly where the burglar has gone within the business," says Truszkowski.

After your initial examination, be prepared to show the technician exactly what was touched and where

the burglar has gone within the business. Occasionally, a burglar is caught by leaving his fingerprints in unusual places, such as in the washroom or on the coffeemaker.

6. Ask your neighbors

Burglars often hit one to five businesses at a time, so the intruder probably tried to enter other businesses in your area.

"There are so many burglaries

A simple way to thwart drive-by theft

Theft can also occur on the road, when the distractions of the job take crews' attention away from the truck.

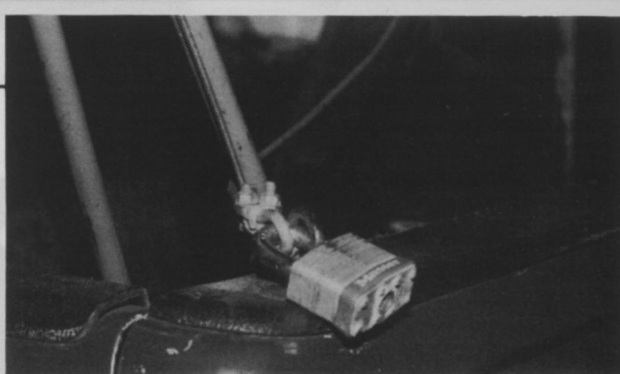
Herrick Mann's company, H.A.M. Landscaping in Warrensville Heights, Ohio, has been hit in the past by drive-by thieves, who have gotten away with string trimmers.

To thwart such robberies, one of Mann's men rigged up a simple but effective cable and lock contraption. The cable runs through the handle of each piece of equipment in the truck bed, and is locked to the truck body.

At the home base, Mann has installed motion detectors and other theft prevention/detection devices.

Smaller—but expensive—equipment, such as aerators or seeders, are locked in a separate cage.

In addition to serial numbers, Mann engraves each



Lock and cable device foils theft.

piece of equipment with his Social Security number. This leads to immediate identification by authorities.

"It resulted in a call at 2 a.m.," says Mann, "but it was worth it."

According to Mann, if authorities suspect an item is hot, they can easily call the social security number up on the computer; the number leads them to the owner. □

each day our detectives do not have the time they would like to devote to each one," says Truszkowski.

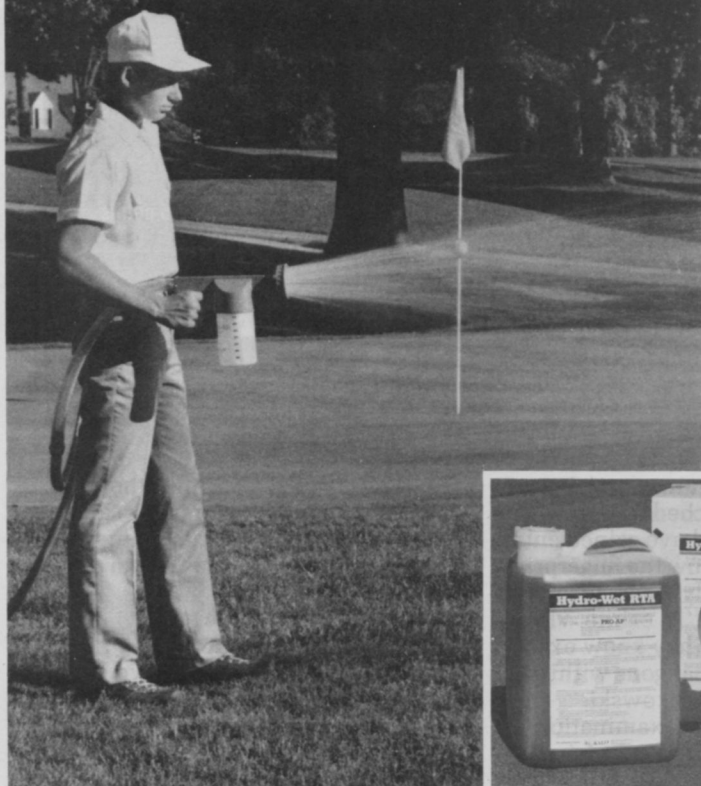
Someone might have seen an unfamiliar car or van and recall the license plate number; or a bystander may provide a description of a suspicious-looking character. You can't automatically count on people to come forward and get involved. If you learn anything that can be of help, talk to the police and let them decide if it's worth pursuing.

Keep in contact with the detective assigned to your case. If he knows you are actively interested in his progress, he'll probably be interested in it, as well. Although no civilian should play detective, you can also keep an eye open for your property at local swap meets and pawnshops. Burglars don't want your property; they're after money, and will quickly sell the items they steal for cash. Persons who pawn items must sign an information

card. If you do learn the name of a suspect in your burglary, immediately contact the detective and have him check out what you have found.

As difficult as it may seem, if your business is ever burglarized, try the positive approach. By taking an active role, you may recover some peace of mind if not your business's stolen property. The best attitude you can take is, "let's do what we can to catch this criminal." **LM**

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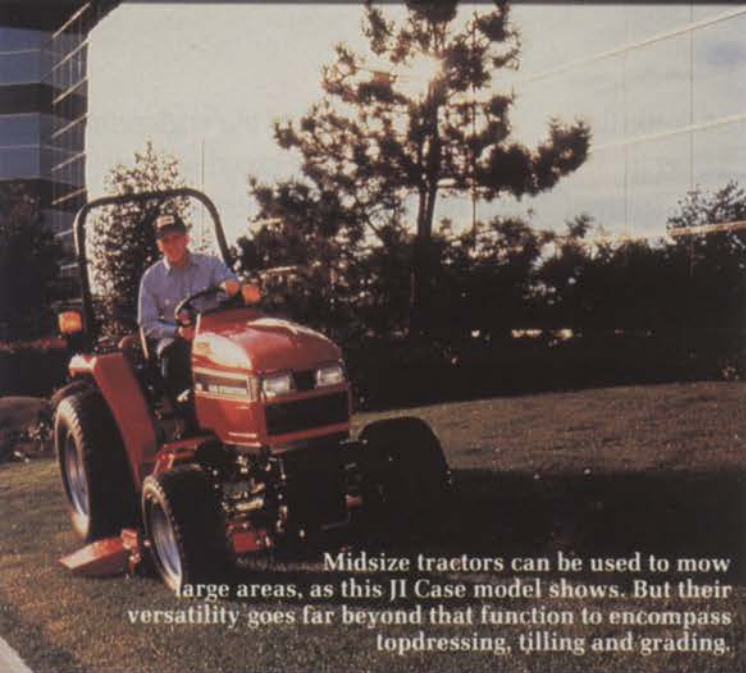


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Division of Hesston Corporation



Midsize tractors can be used to mow large areas, as this 11 Case model shows. But their versatility goes far beyond that function to encompass topdressing, tilling and grading.

MIDSIZE TRACTORS HERE TO STAY

Though not an answer to every landscaper's every need, midsize tractors have a versatility that makes them valuable in many situations.

by Jack Simonds, contributing editor

Midsize tractors have come into common use with landscapers and other green industry professionals in the last three to four years—not replacing their heftier counterparts, but augmenting other motor pool vehicles.

Midsize utility tractors (about 20 to 40 hp) are seen industry-wide as useful tools in the fleet; as money-savers which share a spot in the workload because of their versatility, which often includes a good selection of attachments requiring hydraulics.

Simply, midsize tractors are here to stay. They have relatively low sticker prices, longer service life, lessened maintenance costs and sustained and strong resale and trade-in value. Industry watchers and practitioners seem also to zero in on their wide range of workload capabilities.

With hydraulic attachments and implements, these performers can often replace single-purpose machines in some settings, but also are not the panacea for every situation.

Carter Winn of Winn Nursery of Virginia, Inc., Norfolk, sees the midsize Ford and Kubota lines as good combinations in his 80-man operation; in part for one easy-to-understand reason.

"The units simply fit better between the rows at the nursery while cultivating," he says.

Winn explains that his original intent in bringing in a midsize line was for top-dressing, tilling and grading in the landscaping portion of his operations; an idea he says works well.

"In many cases, I need something small and sturdy," says Winn.

But the almighty dollar also played a practical role in Winn's original decision to downsize.

At one time, Winn Nursery's buying budget simply didn't allow for the purchase of larger tractors, although he says both have a place in his opera-

tions, and Ford's larger line complements his midsize vehicles.

"For loading and other bigger jobs, you really do need a bigger tractor," says Winn. He finds attachments for the middle line are no more superior than offerings for larger tractors.

However, he recently traded in two midsize tractors to add a larger one to the fleet. The smaller models, he says, spent an inordinate amount of time in the shop when used heavily.

Dave Davies, superintendent at Dry Creek Golf Course in Galt, Calif., uses four midsize tractors—including John Deere models—daily on the tees, approaches and other open areas, as well as in tight spots.

"The midsize lines are easy on maintenance. They're easy to operate overall and they're dependable," says Davies.

He commonly uses a spreader, drill seeder, fairway blower and sweeper, and tree auger as attachments to his midsize tractors.

Davies likes the maneuverability inherent in the line. His motor pool also includes Ford models and a larger Case frontloader.

Easy maneuvering can and does lead to good productivity for his eight full-time staff, Davies has found.

"We enjoy a much greater efficiency when using midsize tractors. This is particularly true when we use our applicator attachments. It seems the crew does not spend as much time in and around things setting up, but more time on the actual tasks at hand," Davies says.

But smaller units aren't the total answer for his little corner of the world.

"Smaller units are sometimes just not capable of doing some of the things you want to do. Some tractors are too small, some are too big. It just depends on the kind of job you're undertaking," says Davies.

Mixing breeds also works well for

Bob Dickison, superintendent at the 27-hole Upper Montclair Country Club in Clifton, N.J.

His Jacobsen 42 hp model gives mowing in the rough throughout the season and leaf blowing clean-up in the fall.

"Cost was not a factor for me. I feel the size (of the Jacobsen) is adequate do the jobs required of it," says Dickison, who also has larger tractors in the fleet.

Sometimes, says Dickison, bigger tractors simply need not apply. "There can actually be too much power in the bigger lines," he adds.

Tim Thilo doesn't know of such problems.

"I've never worked with a bigger tractor, but I assume the operating costs would be more," says the superintendent of Peach Tree Country Club in Marysville, Calif.

Four midsize John Deere models are used to groom the 35-acre, 18-hole course located in the north central section of the state. He says the course is "greening up nicely."

Also happy with midsize maneuverability and flexibility of job functions, Thilo says daily use may also lessen the chances of compaction forming under the surface of roughs and fairways because of the vehicles' relative light weight.

Although one 20-year-old model spends some time in repair, the new John Deeres, he says, have proven little trouble in maintenance and are adept in carrying out fairway mowing, clearing tasks and other daily chores.

Landscaper and nurseryman Mark Ball, with Stonegate Nursery Center in Algonquin, Ill., has more than a dozen midsize tractors in his operations—all of them Fords.

"Small tractors don't always get the job done and the larger ones don't have the maneuverability on residential lots," says Ball. He has used Fords exclusively since the mid 1960s. **LM**

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John Deere's 855 compact utility tractor.



Cushman's Front Line series with grass caddy.



From Ford New Holland, the Model 1220.



Case 1100 Series engines from 19 to 27.

Mid-size roster: ready to ride

Many players vie for a job in the starting lineup, so tractor manufacturers—veterans and rookies—are eager to supply the talent. From established hitters like JI Case, John Deere, Ford, Jacobsen and Kubota to Honda, the newest walk-on, comes no shortage of midsize tractors on the market.

Reasons vary for selecting one make or model over another, ranging from budget, reliability, product loyalty, ease of operation and operating cost concerns to attachment and servicing availability and performance.

Although not a complete list, here are some of the utility player choices for managers large and small.

JI Case introduces a new line of smaller tractors in its 1100 Series; machines equipped with 19-, 23- and 27-hp diesel engines. The tractors are designed with golf course, estate, park and farm settings in mind.

The three-cylinder engines feature direct fuel injection and a choice of mower sizes and arrangements are available. Also optional is an auxiliary hydraulic valve.

Front end loaders are available in the larger two models and backhoes; rotary tillers and

box scrapers are other options for the line.

Case's 95 Series ranges in models from 35 to 85 PTO hp and eight-speed creeper transmission. The company's Model 275 sports a 31 hp engine.

Circle No. 306 on Inquiry Card

Cushman's Front Line series offers both gas and diesel powered machines with a selection of mowers and maintenance tools to perform a variety of tasks. Power plants range from 22 and 27 hp gas models and 22 hp diesels, with both three and four-wheel drive options.

Mowing options include 60- and 72-inch front-mounted decks and a 61-inch flail mower. A 16-bushel grass caddy is also optional.

Among other attachments are a core destroyer, used after aeration which pulverizes cores. Cushman says the device covers 115,000 square feet per hour. Also available: a front-mounted 60-inch brush, snow-blower and snow blade, tine rake dethatcher and front-mounted blower.

Circle No. 307 on Inquiry Card

John Deere offers two lines including midsize tractors for both grounds care and golf and turf settings. Three hydrostatic compact tractors equipped with

20 to 30 hp engines include the 755, 855 and 955 models. Five compact utility tractor models from 670 to 1070 are driven by 18.5 to 38.5 hp power plants. Two lawn and garden class tractors—the 400 and 300 series—come with 20, 18 and 16 hp engines.

All are diesel powered, and a wide array of "category one" attachments are available, including mowers, collection systems, aerators, loaders, snow blowers and throwers, backhoes, tillers, posthole diggers, front and rear blades, thatchers, dumpcarts, cultivators and other daily use options, offerings common among other manufacturers as well.

Circle No. 308 on Inquiry Card

Ford New Holland offers seven midsizers ranging in power from 14.7 to 42.6 hp and optional hydrostatic transmission on the four smaller models. Creeper gear in the larger tractors gives eight workings speeds less than 1 mph.

The all-diesel line also has different mower and landscaping optional attachments including mower configurations, many standard implements as well as disc harrows, cultivators, box scrapers, landscape rakes, windrow inverters

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For superior stability, Turfcats have a low center of gravity and a hill-hugging, wide-track stance. Plus, quick, easy steering lets these agile cats dart around trees and in-and-out of tight spots.

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So take a Turfcats for a run. Arrange a free demonstration with your Jacobsen distributor today. Attractive lease and finance plans available. Or for more information contact: Jacobsen Division of Textron Inc., Racine, WI 53403.



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J-6-8

Circle No. 111 on Reader Inquiry Card



Gravelly midsizers come with many attachments.



Honda's H6522 diesel tractor enters the market.



Kubota's L4350 pulls a rotor cutter.



Ransomes markets the Turftrak system.



Jacobens's G-20D utility turf tractor.

and hay and rake tedders.

Circle No. 309 on Inquiry Card

Gravelly's established smaller line varies from lower-powered 14 hp up to 24 hp models with Kohler-equipped engines. The 24 hp model is powered by an Onan engine.

More than 20 attachments are available and a mower surface cut of 100 inches is possible when the company's 44 inch wing mower works in tandem with the 60-inch center attachment. Snow blower, snow blade and power brush attachments, for parking lot maintenance are readily available as are three styles of grass catchers and four sizes of center mount mowers.

Circle No. 310 on Inquiry Card

Honda introduced the H6522 diesel tractor last year and full-scale marketing and sales are expected this season.

The 22 hp diesel accepts "category one" implements including a front-end loader, backhoe, snowthrower, dozer blades among other options.

The company says its three-cylinder, liquid-cooled power plant has a direct fuel injection system which saves fuel. Nine forward and three reverse speeds make up the transmission. Two- and four-wheel-drive versions are available.

Circle No. 311 on Inquiry Card

From Jacobsen comes both a traditional midsizer and a choice that defies the "looks-like-a-duck, walks-like-a-duck" rule.

The company's 45 hp G-20D diesel utility tractor has eight speeds and a three-point hitch. Creeper gear is also available on this lighter vehicle.

A double-take may be required for the company's G-4x4 Plus four-wheel drive utility tractor which features a low center of gravity and wide stance for stability. Beyond standard front-mount mower, brush and snow equipment, the G-4x4 Plus has front and rear three-point hitches and accepts an array of "category one" attachments. The power plant is a 32 hp Kubota diesel. Four reverse gears also are built in.

Circle No. 312 on Inquiry Card

Kubota offers wide choices in its B-Series and L-Series tractor lines and accessories.

New from the company are L-Series models L4350, L4850 and L5450 with power plants from 38 to 49 hp. The three diesels were introduced late last year.

Designed specifically for light construction, grounds maintenance and nursery and agricultural settings, the models

feature a wet clutch system Kubota says is designed for long life. Hydraulic transmissions are on all three models with a mechanical shuttle transmission option for the L4350. The complete Kubota tractor catalogue ranges in models from 10 to 85 hp.

Circle No. 313 on Inquiry Card

Ransomes offers its Turftrak System in three engine options including 16.5 hp Kubota diesel, 20 hp Onan gasoline and 21 hp Kubota gasoline engines. The line will be available at dealerships soon.

Among attachments are included a rotary broom, power blower, lawn sweeper, snow-blower, dozer blades, sand trap blade, aerator, slip scoop and disc edger.

Mowing options including three hydraulically driven front and rear rollers and rotary mower decks in 60- and 72-inch widths.

Ransomes Jaguar 4000 mower series offers six models ranging in 17 hp to 27 hp selections. The 24 hp and 27 hp models are gas-powered; the 17 hp and 23 hp feature diesel power plants.

Circle No. 314 on Inquiry Card

—Jack Simonds □