Injury management requires company-wide commitment

■ Insurance industry figures show that construction workers experience occupational injury and illness at twice the rate of those employed in general industry.

The Occupational Injury Management (OIM) program developed by CNA Insurance, Chicago, is a system of procedures used by employers and medical professionals to help injured employees return to work quickly and healthfully.

According to CNA, successful implementation rests on an active commitment from all levels of the company. All levels of management need to be held accountable for results. From initial medical treatment and diagnosis to development of a treatment plan, and eventually the employee's return to full-time work, the focus needs to be on the philosophy of occupational injury management.

Of special importance in the CNA program is the function of the "team coordinator." This is the management level person responsible for maintaining contact with the injured worker.

Duties include:

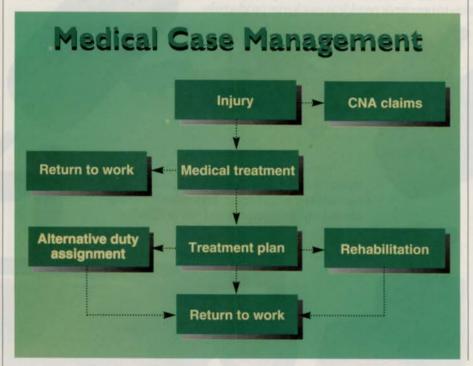
- contacting employees in person or by phone within 24 hours of the injury;
- verifying their understanding of their injury, treatment or follow-up plans;
 and
- making certain employees understand available benefits—especially disability benefits—for work-related injuries.

The Occupational Injury Management program also provides instruction on how to select primary care providers, job function evaluations and timely claims reporting.

Management must choose medical care providers so that workers are treated by professionals experienced in occupational injuries.

If your state does not permit employers to direct injured employees to selected primary care providers, you can still contain costs and help ensure quality care by developing a list of preferred providers.

> —For more information, contact CNA at (800) 262-6241.



Lawn care clean-up insurance made affordable

 A commercial pollution clean-up insurance program for the lawn care industry is now available, providing coverage for spills caused by a vehicle accident,

"We've worked out the details of the insurance coverage and negotiated a premium format which will allow even the smallest of operators to purchase the coverage at a reasonable price," says Richard Bersnak, president of Columbus, Ohiobased M.F.P. Insurance Agency, Inc., and himself the owner of a Barefoot Grass franchise,

This coverage is significant because in 1986, the property and casualty insurance industry revised the standard commercial automobile policy used by most U.S. insurers, to exclude damages to the air, land or water caused by an automobile accident,

Bersnak says clean-up costs for even the smallest lawn care chemical spills can range from \$7500 to \$10,000.

"The largest spill we are aware of by a lawn care operator carried a \$75,000 clean-up fee," says Bersnak. "The average lawn care firm will struggle paying these costs, much less any fines and any other statutory charges by state and local governments."

Before this coverage was available, says Bersnak, policies would probably start in the \$7500 to \$10,000 premium range,



Bersnak: insurance program relies on average-size companies.

depending on the size of the operator. An individual contract will have a higher limit of liability and will require an expensive site or operation's study performed by an continued on page 77

This Time, We Did Competition, We Out



n't Overpower The maneuvered Them.



A patented, heavy-duty carrier frame with floating cutting decks allow the cutting units to follow ground contours for a superb quality of cut. For added cutting control, there are three decks to choose from: 72", 62" or 52". And the 52" is available with an optional grass collection system.

The Toro Company, Commercial Marketing Services, 8111 Lyndale Ave. So., Minneapolis, MN 55420.

Starting the bid: project take-offs

Part II of III: Professional estimators don't confuse quantity take-off with a separate assignment, pricing.

by Sylvia Hollman Fee

From practice to trial, knowing materials, methods and variable conditions will sharpen your estimating skills.

Experience can expand your profit margin in a given market. Your estimate and bid price are based on two factors: (1) your company's history and (2) the facts of the potential new job.

Some of the factors you consider each time are routine: travel costs, costs of bonds, specific site conditions, and specialties such as irrigation or required heavy equipment. Other factors may be special and unique to the job, such as the relationships between those parties involved.

Whatever the specifics, it is vital to map out the scope of work involved in the job and the key players to manage the project. If you discover inconsistencies in the work outline, you can take into consideration the costs that deviate from your own firm's standards. This holds true whether the specifications are given by architects and owners or proposed by the landscaper making the bid.

The Landscape Project Analysis form (Fig. A) provides a format for recording and evaluating vital aspects of the project estimate. When you have recorded all the elements of the project and decided that the job is appropriate for your firm, your systematic estimate is under way.

Setting up—To perform a unit price estimate, some unit of measuremen must be assigned to every cost associated with a job. For example, portable toilets are required on a highway job, so the unit of measurement will be each portable toilet.

Some required items are mentioned briefly in requests for bids. You must be sure to obtain all the site drawings, specifications and information collected on-site.

A quantity take-off lists the materials, number of man-hours, equipment and any other items required to complete the job. Take your time. Keep in mind that this information-gathering is the basis for your pricing and bid. Accuracy is vital for your bottom-line profit.

The quantity take-off is a eparate assignment from pricing; professional estimators do not confuse these tasks. You can guard against error by using a pre-print-

ed form such as that shown in Fig. B. Every item that you will pay for, or reimburse as a cost, must be "captured" and included on the quantity take-off form.

'Taking off'-To do a takeoff from a plan drawing, read and make notations in a planned sequence. This is done by making lists of all work and materials of the same type, such as all grass sod areas and all paved walkway areas of similar materials. Shade and color measured areas on plans as you

Areas may be measured in square feet, yards, linear feet, volume and so on, as long as

you record the unit of measure on the take-off form. Measure and record items for surface cover, or volume of materials, length of border, amount of time, etc. Remember the methods and amount of work to do a job all have an associated cost that must be recovered.

A systematic method is useful for future reference and/or communication with others. This listing includes all items such as work days for specific earthmoving equipment, man-hours for cleanup and other requirements.

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Fig. B				

Notice in Fig. B that the surface material measured by noted dimensions with irregular areas is accompanied by a waste allowance. The required depth of the concrete slab is listed, so volume of material may be priced later. The area of crushed stone is listed and then converted to a volume of material so that item may be priced correctly when costs are added.

-Sylvia Hollman Fee is owner of Sylvia Fee & Associates, Inc., Needham, MA 02192.

Figures reproduced from Means Landscape Estimating, by Sylvia Fee, R.S. Means Co., Inc. (800) 334-3509.

> **NEXT MONTH:** Pricing the take-off

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LANDSCAPER'S CHOICE

The Bobcat 2410 MTC Is The Ultimate Multi-Purpose Machine

Custom-tailor a Bobcat 2410 to fit your job.

You can custom-tailor your MTC (Multiple Tool Carrier) to fit your job. whether it requires excavating landscaping, demolition, back-filling, loading, fertilizer handling, scrap handling, construction, or more.

More Agile: Full-time four-wheel hydrostatic drive provides the traction and flotation you need to work in rough terrain and muddy job sites. And the MTC's articulated design provides a tighter turning radius to help you work in those hard-to-get-at places.



More Mobile: The MTC is ready to move when you are. Its ease of transport will save you money by cutting







More than a loader.

Save time on the job. Here's an example of how a landscaper can use the MTC with a hox scraper going forward and with a landscape rake going backwards, without changing and in a matter of minutes, you can switch to a front-mounted pallet fork and unload sod.

More Versatile: The 2410 MTC features the exclusive Bob-Tach* system (available front) and a rear quick attachment system for fast, secure attachment changes. Your MTC can quickly change function from a loader to a landscape rake, or from a demolition hammer to a backhoe to a 3-point loader, plus many more, for even more versatility.



More Available: The Bobcat dealer network is worldwide and there's a dealer near you. So why not stop in and see for yourself how much more you can do with a new multi-purpose Bobcat MTC.







Control insects and mites without disturbing homeowners.



Mavrik® is gentle on birds, bees and other beneficials. In fact, no other broadspectrum insecticide is gentler.

Mavrik is also non-restricted, effective at low rates, and non-phytotoxic.

There isn't even an offensive odor to alarm neighbors.

So when you control insects and mites with Mavrik, you can rest easy. And so can the neighborhood.





Mulch: perfect for beauty in landscapes



If properly used, mulch products can improve the health of surrounding trees and shrubs, plus they are visually pleasing to the eye.

Beware how mulch you use! Experts says it's not hard to actually over-mulch around trees and shrubs.

■ Mulch is an integral part of most awardwinning landscapes—not merely for its practicality, but also for its appearance. In combination with the trees and shrubs around which it's used, mulch provides another way for designers to break up large areas in the landscape.

"Mulching started out as being purely practical," notes Al Rickert, owner of Wholesale Landscape Supply in Bradenton, Fla.. "It's now become a part of the aesthetics."

The term "mulch" is defined by Dr. Donald Rakow of Cornell University as "any ground treatment that differs from the substrate (soil beneath), either physically or biologically." Many different types are available (see Table 1).

Rakow says wood chips are the mostoften-used mulch. "They can serve a valuable role in the landscape if used properly," he notes.

The phrase "if used properly" is key.

"Piling too much organic mulch can rot the base of the tree and kill it," says Bonnie Lee Appleton of the Virginia Tech Cooperative Extension Service. "Back off! In most cases, we see no reason to exceed two to three inches. If you need more, put a well around the tree base, keeping the mulch away from the tree.

"The finer the particles of organic material you use, the less you should use," she continues. "Weeds have a field day if you're using mulch over fabrics or polypropylene because it acts as a substrate."

Rickert says the types of mulch available to landscapers and golf course superintendents vary according to region.

"Cypress mulch is very popular from Kansas east because of favorable shipping rates. It dominates the market in the Midwest," he notes. "Pine bark is the old standby in the South, Southeast and Central Atlantic. Pine straw is more regionalized in the Southeast, but that's changing."

Though mulches have numerous benefits (see Table 2), there are disadvantages.

"Most mulches also make a wonderful winter home for mice," says Dr. Bill Fountain of the University of Kentucky. "And when warm spring weather arrives, they awaken with the hunger of a 16-year-old male. The closest food source is often the trunks of young trees."

Fountain says that raking the mulch away from the trunk for six to eight inches will discourage feeding by mice without reducing the mulch's benefits. "Hardware cloth around the trunk is also a very effective barrier to mice and rabbits," he notes.

-Jerry Roche

TABLE 1. Selected types of mulch:

- blackplastic/geotextiles/fabric
- · cocoa mulch
- cypress mulch
- · grass clippings
- gravel
- hardwood bark
- limestone
- · marble chips
- natural recycle
- · pine bark
- pine straw
- volcanic material

TABLE 2. Benefits of mulch:

- ✓ decrease phosphorus levels in plants
- ✓ improve manganese content in trees
- ✓ increase penetration of water into the soil
- ✓ insulate soil from

 extreme cold in winter
- ✓ keep soil more viable (looser)
- ▶ lower pH
- ✓ reduce chances of chlorosis
- ✓ reduce erosion
- ✓ reduce surface evaporation
- retard weed growth
- warm soil and accelerate growth in summer

TABLE 3. Mulch rankings:

WETTEST:

- herbicide-treated
 shredded pine bark
- 2) shredded pine bark

DRIEST

- 1) marble
- 2) red "Flower Rock"

COOLEST:

- 1) chunk pine bark
- 2) red "Flower Rock" (large)

WARMEST:

- 1) red "Mite-T-Lite" (small)
- 2) marble

BEST WEED CONTROL:

- 1) marble
- 2) red "Flower Rock"

Source: Bonnie Lee Appleton VPI-SU

LM REPORTS

Pick the right chain saw for specific applica

> by Mark Michaels, Husqvarna Forest & Garden Co.

All chain saws are not created equal.

There are many types and sizes of chain saws, ranging from lightweight bucket saws to heavy-duty stump saws.

Choose the correct saw to do your work. A small bucket saw doesn't belong in the ground work role. Conversely, a stump saw is too heavy for tree pruning.

Select a chain saw for your business based on these factors:

- What do you intend to cut?
- What type of wood (hard or soft) and in what environment?
- How often-and under what conditions-will the saw be used?

Buy from a reputable dealer who both sells and services chain saws. Request a "test drive." Many dealers will have test areas behind their stores.

When comparing different models, look for qualities that will make the saw comfortable, quiet and reliable. Features such as anti-vibration and noise dampening systems, good balance and well-designed handles will make your saw easier and safer to use.

Don't be misled by bar length. That can make very different saws seem the same. Instead, look at engine size, weight and engine speed at maximum power.

By the way, don't be alarmed if your new saw looks like it has

already done some cutting; it's just a sign that the dealer has taken the time to check the saw and make adjustments.

Here are some of the features you might want in your new saw:

- ✓ solid-state ignition eliminates the need for ignition tune-ups:
- ✓ anti-vibration system reduces operator fatigue:
- manual and inertia-activated chain brake-better protection from chain saw kickback, regardless of the cutting position of the saw:
- ✓ steel ball-bearing supported crankshaft-contributes to a smoother running, more powerful engine with higher cutting speeds; and

gear-driven automatic oiler-assures bar and chain are well lubricated during extended operation:

-The author is product and forestry manager for

Husqvarna Forest & Garden Co., Charlotte, N.C.



Look for safety features that

reduce kickback:

low-kickback chains, a chain brake and a guidebar

with a small radius tip.

CHAIN SAWS FOR THE GREEN INDUSTRY

Manufacturer	Models	Displacement	Fuel cap.	Weight	Bar length
Ariens Circle No. 300	CS320 CS400	32-40 cc	8.5-15.2 oz.	8.2-11.7 lbs.	12-16 in.
Dolmar USA Circle No. 301	11 models 100-143	33-95cc	13.3-34 oz.	8.1-13 lbs.	14/16-20/36 in.
Echo Circle No. 302	10 models CS280E- CS8000	27.9-80.7 cc	6.8-27.7 oz.	8.6-16.3 lbs.	12/14-20/30 in.
Homelite Circle No. 303	12 models XL-Super 1050	30-100 cc	8.5-49.3 oz.	8.5-22.4 lbs.	10/16-23/60 in.
Husqvarna Circle No. 304	21 models 35-3120XP	34-119 cc	9.6-42.4 oz.	9-22.9 lbs.	10/18-20/60 in.
McCullough Circle No. 305	22 models Mac 110- Double Eagle 80	32-82 cc	10.8-25.6 oz.	8.9-17.2 lbs.	10-20/60 in.
Poulan/Weed Eater Circle No. 306	27 models 1800-PP655	30-98 cc	11.5-31.8 oz.	7.8-19 lbs.	10/16-16/36 in.
Redmax/ Komatsu Circle No. 307	5 models G300 TS- G621AVS	28.5-62 cc	7.5-22 oz.	8.5-14.9 lbs.	14-20/36 in.
Shindaiwa Circle No. 308	5 models 300S-695	28.5-57.3 cc	11.8-23.7 oz.	8.6-13 lbs.	10/14-16/24 in.
Solo Circle No. 309	11 models 634-603	34-103 cc	16-29.3 oz.	9.2-17.4 lbs.	14/16-16/42 in.
Stihl Circle No. 310	26 models 009EQ- 084AVREQ	40.8-121.6 cc	9.8-42.2 oz.	9-20.1 lbs.	12/14-25/50 in.
Tanaka Circle No. 311	5 models ECS-320 ECS-655	32-63 cc	8.5-20.4 oz.	8.2-15.1 lbs.	12/14-16/24 in.

NOTE: Models and specifications listed low-end first, high-end second; intermediate models not listed on this chart because of space considerations.

Source: LM mail/phone survey, Feb. 1992



After selecting a chain saw, make sure you are properly dressed. Protective clothing can reduce injuries if an accident does occur. That includes work gloves, a protective hard hat equiped with visor and earmuffs, protective pants or chaps, a well-ventilated shirt or jacket and steel-toed boots. Chain sharpening guides are available from your local servicing dealer, and brief instructions on field filing make sharp saws a relatively easy task for landscapers. Though daily filing may not always be necessary, such maintenance helps keep the saw performing at maximum capability.

Photo courtesy Husqvarna Forest & Garden Co.