Try Tandex on your own impartial panel of weed control experts.



Tandex can give you a more economical ground maintenance program.

Tandex is a soil sterilant. And it's proven its weedkilling power for use around industrial plant sites, storage areas, lumberyards, tank farms and the like. Broadleaf weeds, grasses, even woody species die when Tandex is applied. And its power persists for a season or longer.

weedse around powder (WP 80) or use the granular form. The handy beryards, like. prasses, randex can be combined Niagara Chemical Division, Middleport, New York 14105 with fortified oils and other herbicides for special control situations.

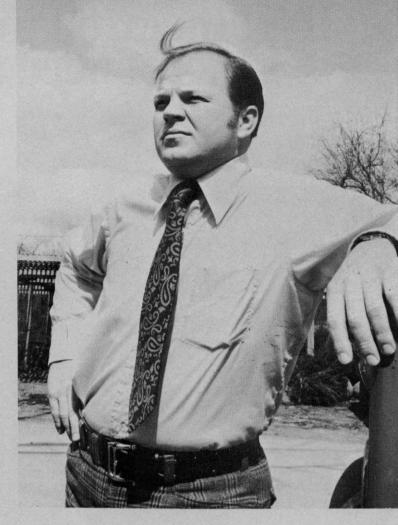
Write to Department A, Niagara Chemical Division, FMC Corporation, Middleport, N.Y. 14105.



YOUNG MAN IN A HURRY

Clarke Fenimore, right, is the young Kentucky equipment distributor that's in a hurry. Below, he and his partner, Doug Wearren, left, check newly arrived equipment.





FREE ENTERPRISE is still alive. Put together hustle and salesmanship — which add up to hard work — couple these with ability and the old formula for success in America still holds.

These account for a fast start for one young Kentucky distributor — 32-year-old Clarke Fenimore. He's been in business a year, and if he keeps running he'll build a million dollar corporation in "five — no," he says, "make that 10 years for the record."

Whether he does or not naturally depends on many factors. But regardless, the fact that a young man can sell his way into his own business — without funds — and do it in the span of a year is a plus for the commercial turf industry.

Fenimore did have many things in his favor. He had a sizable reputation as a salesman of commercial turf industry products. (He worked with U.S.S. Agri-Chemicals with headquarters at Atlanta, Ga.) His territory comprised Kentucky and part of Indiana, the territory where he now distributes. Thus, he knew his customers and he had friends one of whom became his partner in the industry.

Further, he went into business for

himself partly because he found himself among the unemployed. He had originally resigned from U.S.S. Agri-Chemicals to manage a garden center chain, slated to garner the bulk of this kind of consumer business in the Louisville trade area. It didn't pan. The chain project never left the starting gate. And Fenimore found that he needed a job. Which was how Ky-Inna Turf Supply came into being.

Douglas R. Wearren, only 35 but a well-known landscaper and nurseryman operating in seven states, suggested that Fenimore sell chemicals and fertilizers as a distributor. This he did, starting with products of W.A. Cleary Corp., Diamond Shamrock, Velsicol, Gordon Chemicals, Agrico, and IMC Fertilizer.

In lieu of money, he used credit of these corporations and his name and reputation (plus credit rating of Doug Wearren).

Now he and Wearren have a corporation. Neither has put any personal funds into the venture. However, because sales were booming early last year, they did form a corporation with a third partner who put money into the venture. Insurance policies on each of the three principals provided protection against loss. Unfortunately, and sadly for all concerned, the new partner William Kelly, a well-known concrete paving contractor, was shortly after killed in an auto accident. Insurance money permitted Wearren and Fenimore to repurchase his stock.

About this time, Fenimore started adding equipment to his lines. To name a few, he handles National Mower, Hahn West Point, Smithco, Roof, Terrain King, Roseman, Lewis Ball Washers, Drip, Cyclone Seeders, Locke, Bolsey-Devere, Simplicity, and Jacobsen's small tractors. A newly opened division is tied to commercial turf irrigation.

Though Fenimore relates his experiences in a somewhat light and airy manner, there is no mistaking the drive behind his operation. Both he and Wearren have some very definite ideas on marketing. They are putting their experience and knowledge on the line along with long hours and hard work.

Fenimore believes in working closely with customers who in turn work with them. Goal of Ky-Inna (pronounced Kentucky anna), he says, is to package chemicals and equipment to fit a customer's need. At the same time, they like to carry lines which are nationally advertised. This gives them an intro to new business and at the same time helps familiarize the customer with the product. Because Ky-Inna warehouse and offices are located in a rural non-commercial area, overhead cost is low.

The firm handles the bulk of its own transport. Company trucks make regular pickups in Houston and similar points and weekly trips to Chicago. Six vans purchased from a Louisville transfer company make it possible to drop both van and supplies at customer headquarters. In this way, unloading can be done as the load is used or at least at the convenience of the customer. Further, as Fenimore notes, the advertising on the side of each van doesn't hurt the image of the business. He has good reason inasmuch as one of the vans has, for the last several weeks, been on the grounds of Colonel Saunders' new \$3 million international headquarters building at Louisville. Wearren, Fenimore's partner, has the landscaping contract.

Fenimore's business is unique in another way. He does not operate a service shop. Practically every commercial turf customer, he says, is equipped to do his own service and repair work. What this kind of customer wants—and wants fast is immediate delivery on parts. This Ky-Inna is prepared to do. The firm maintains a complete parts inventory.

The type of customers sold by Ky-Inna dictates the success of this operation. There are no walk-in customers. Fenimore sells golf courses, industries with factory lawns to maintain, governments including state, county, municipal and federal, and garden centers. No discount houses are included in the garden center trade.

Of particular interest to the commercial turf industry is the key buying influence for each market. When it comes to golf courses, Fenimore says he wants to deal with the superintendent—and him only. "We never go over the head of the superintendent," he says. A course management defeats itself if it does not let the super make 100% of the buying decisions on both equipment and chemicals. Management must let the superintendent "run the course" because he is the one responsible for the turf.

For industrial accounts, Fenimore and his salesmen (the firm has six



Fenimore parks a new rotary mower unit.

full-time employees) try and work closely with the man responsible for overall turf maintenance. Industry titles vary here, so some discretion is necessary to reach the key buying influence.

For government bodies, a main-

Haul your equipment on a Miller Tilt-Top and you can **get to work** while others are still getting to the job.

When your rolling gear is off and working, Miller's HT tags along to the nursery for a big load of stock or sod. Easy-going suspension provides a gentle ride. Low, wide platform is easy to load machines or material. You get twice the use, twice the value. Get more for your money. Buy the right Miller trailer for your needs. Write for FREE TRAILERING GUIDE.

Miller's the one with ...TWICE THE USE

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Tilt-Top TRAILERS

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tenance superintendent with a title having something to do with grounds will be a key person to contact. Likely he will make recommendations and a purchasing agent will put the order out for bids. In any case, the firm will probably work with several persons in getting the business.

Federal accounts are different. Personal contact is a must.

A management key in building business for a new firm is a uniform markup. Fenimore believes this has aided the fast start Ky-Inna has enjoyed. Because they do not headquarter in a congested area and have less than imposing warehouse space, they do keep overhead low. Everyone pays the same price, and this in itself, Fenimore believes, helps business.

Where the firm goes depends not only on management but on the total economy of the area. Fenimore no doubt will continue to push. He is a young man in a hurry but he still finds time for living. Besides a family, Alberta, his wife, and two daughters, he is active in civic events. He is a registered football official and was among 20 of some

HI-RANGER GETS YOU ALOFT FOR MORE JOBS

power and money, speeding operators to high work more safely. One reason is HI-RANGER'S patented one-hand control with "deadman" safety interlock. Operators work faster with less fatigue on such jobs as tree trimming and lighting maintenance. The insulated boom and easy, accurate "spotting" of the work platform promotes safety on utility jobs, while park men accomplish more with HI-RANGER because the men aloft get in closer quicker on high tree work. Write for new HI-RANGER BRO- 400 picked to handle the state playoffs this past season. He is also a volunteer fireman (and drives the aerial ladder truck as well as climbing it at times).

Likely his interest in athletics officiating is a follow-up of his college days when he was the college radio voice of the Western Kentucky Hilltoppers, a team recently in the NCAA playoffs. (Incidentally, he attended all playoff games.) He also, while in college at Western Kentucky, was a dorm counseler, worked in the college Public Relations office, college post office, was a member of the Circle K Pershing Rifles Drill Team, Alpha Gamma Rho fraternity, in which he helped organize and was the 1st Noble Ruler. Somewhat incidental to all this activity was the fact that he also earned an agri-business degree.

Here's How to Whip **Selected Turf Pests**

Entomologist Dave Shriver of the University of Maryland has released information, in view of changing pesticide-use regulations, on control of insect pests on commercial turfgrass.

To better understand how control can be achieved, he has classified the pests in either above-ground or below-ground categories.

For below-ground pests, such as whitegrubs and wireworms, the critical control need is to get the pesticide into the soil. For above-ground pests, such as sod webworms and billbugs, the grass blades and ground surface should be treated to get a minimum of wash off or soil penetration. The above-ground pests, he added, can be further classified into those that inhabit the thatch near the soil surface, but feed on grass blades (such as sod webworms and chinchbugs) and those that move and feed upon the grass blades (such as aphids and billbugs).

Here is Shriver's control information for these selected insect pests:

APHIDS				
Insecticide	Formulation	Amount/ 1,000 sq. ft		
Diazinon	AG 500WP 50% WP	1.25 fl. oz. 1.25 oz.		
Malathion	57% EC 25% WP	1 fl. oz. 5 oz.		

Remarks: Do not use granular formulation. Mix the suggested amounts in 10-15 gallons of water as a spray. Do not water in treatments. Do not

For More Details Circle (114) on Reply Card

MOBILE AERIAL TOWERS, INC. . Dept. N 2314 BOWSER AVENUE . FORT WAYNE, INDIANA 46803



cut grass for 2-3 days following application.

CHINCHBUG				
Insecticide	Formulation	Amount/ 1,000 sq. ft		
Aspon	66% EC 5% G	1/4 pt. 31/2 lbs.		
Diazinon	50% WP AG500 EC 10% G	6 oz. 6 oz. 2 lbs.		
Carbaryl (Sevin)	50% WP 10% G	8 oz. 2 lbs.		
Ethion	25% WP 25% EC 25% G	12 oz. 8 fl. oz. 12 oz.		
Trithion	25% EC	12 oz.		

Remarks: Water prior to treatment. Mix the suggested amount of insecticide formulation with 25-30 gallons of water for treating each 1,000 sq. ft. If granular formulations are used, water in following application. Apply first treatment in late May to early June, repeat 2-3 weeks later. Only one application of Aspon is necessary. Where infestations are discovered later in the season, treatments may be applied when insects are found. Grub-proofing treatments will not control chinchbugs.

SOD WEDWORMS				
Insecticide	Formulation	Amount/ 1,000 sq. ft.		
Carbaryl (Sevin)	50% WP	8 oz.		
Chlordane	40% WP 75% EC 5% D	5 oz. 2 fl. oz. 2.5 lbs.		
Diazinon	50% WP AG500 EC	4 oz. 4 oz.		

Remarks: Applications in the evening are preferred and should not be watered in following treatment. Sprays are preferred; apply by mixing with 10-20 gallons of water. Do not cut grass for 1-3 days after application.

WHITEGRUBS WIREWORMS			
Insecticide	Formulation	Amount/ 1,000 sq. ft	
Chlordane	10% G	2.5 lbs.	
	5% D	5 lbs.	
	40% WP	10 oz.	
	75% EC	4 fl. oz.	

Remarks: A long residual type insecticide is recommended. One treatment every 5-6 years is adequate. Chemicals penetrate slowly into the root zone area of the soil. Generally, the chemicals are slow acting against mature grubs, requiring at least three weeks or more to give effective kill. Applications are made to protect against reinfestation primarily or against young grubs in the fall.



Emergency transplant operations ...



always a success with Ryan sod cutters.

Winter kill, fungus and disease can hit the best-kept fine turf areas. Excellent insurance to keep these areas in lush, living grass is a sod nursery for emergency repair. And the best way to perform the transplant operation is with a Ryan Sod Cutter. Ryan has a size and model to suit every need.

Ryan JR Sod Cutters (1)

... turf-world's most popular sod cutters are compact and highly maneuverable. Self-propelled, easy-to-operate JR Sod Cutters are available in three models capable of cutting 9, 15, or 20 sq. yards of sod per minute. They're ideal



for average-size sod nurseries.

Attachment blades are available for all models for trenching, edging, tilling, pipe laying and subsoil aerification.

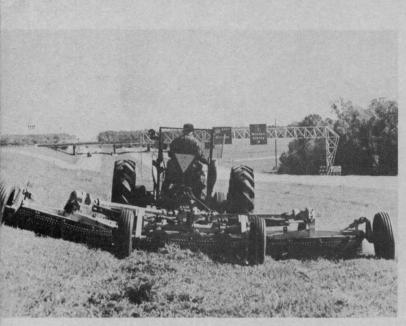
Heavy Duty Sod Cutters (2)

... for large sod nurseries and big transplanting jobs. These *extra* rugged machines are built to commercial specifications. Five models are available, enabling you to cut up to three acres of sod per day. All models come in a choice of cutting widths from 12" to 24". They operate smoothly and quickly with dependable, 2-speed transmissions. Write for FREE Ryan Equipment Catalog.

RYAN EQUIPMENT COMPANY

2055 White Bear Avenue St. Paul, Minnesota 55109 Telephone 612-777-7461 SUBSIDIARY OF OUTBOARD MARINE CORP.

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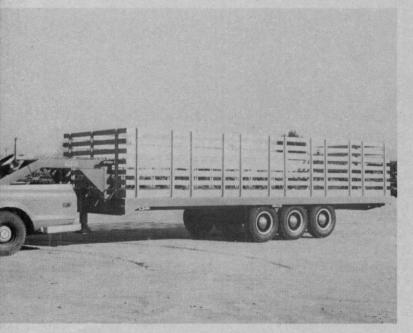
FLEXIBLE WING HIGHWAY MOWER, FMC Side-Winder, Minden, La.

The Side-Winder Flex Wing 15 is designed and built for heavy duty highway type vegetation maintenance. It cuts a 15-ft. swath with flexible wings on both sides to follow graded slopes and soft contours. The wings fold up with hydraulic lifts for easy transport at eight-foot width. The power train consists of two independent high-speed gear boxes on wings driven by a combination drive and transfer box on the center section. All gear boxes are equipped with clutches for better equipment protection. The wheels are camber adjustable. A swivel hitch on the tongue is connected to an automatic parallel lift system. Cutting height is adjustable from two inches to 12 inches. For more details, circle (701) on the reply card.



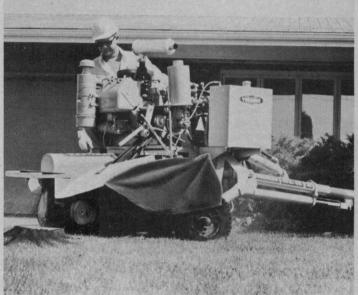
MODEL 75 TREE DESTROYER, Precision Chipper Corporation, Birmingham, Ala.

Precision Madel 75 is a completely self-supporting system for converting entire trees, trunks, limbs and leaves into small chips in a few seconds. Feed through rate is about 125 ft. per minute. Maximum opening in spout is 22 inches diameter. No outside power source is needed. The 75", three-knife Precision Chipper is powered by Cummins 310 hp diesel engine. The heavy duty articulated knuckle boom loader has a 20 ft. reach and 200-degree swing with capacity at 15 ft. of 7,504 lbs. An air system is built in for air wrench to change knives. The hydraulically powered reversing conveyor is 25 ft. long with a 6110 chain. Custom-built trailer is 35 ft. long, 8 ft. wide and 12'9" over-all height. more details, circle (702) on the reply card.



PICKUP TRUCK TRAILER, Jacobsen Trailer Co., Fowler, Calif.

This gooseneck track and flatbed trailer is said to carry the same weight as a truck at one-fifth the investment cost. Either type trailer can be pulled easily by a pickup truck, and has a load capacity up to 18,000 pounds. The "gooseneck" coupling comes about 6" to 8" forward of the drive wheel, which puts the hauling pressure on the whole pickup. An easy one-man hook up, the driver backs the coupler ball into open jaws of auto-lock coupler, that closes around the ball automatically. The all-purpose track trailer has a bed height of 17", length, 12x25'; width, 96"; with one to three axles. The flat bed stock size is 16x40' length; 36" height; 96" width; with one to three axles. For more details, circle (706) on the reply card.



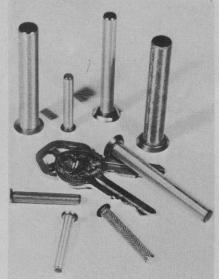
STUMP CUTTER, Vermeer Manufacturing Company, Pella, Ia.

An economical stump cutter, the Model 630, specially designed for hard-to-reach areas, can squeeze through a narrow 36" opening. Vermeer's compact 630 rips large stumps into chips down to 6" below the surface. Its revolving cutting wheel cuts a 50" wide swath without having to reposition the machine. Twenty carbidetipped cutting teeth mounted on the wheel permit large cuts with each pass across the stump. A 30 hp Wisconsin engine supplies the power. A unique "reach-out feature" on the cutting wheel gives the operator pinpoint control when working next to streets, curbs, sidewalks, walls, etc. Low silhouette design permits cutting under low-handling obstacles or in restricted areas. For more details, circle (707) on the reply card.



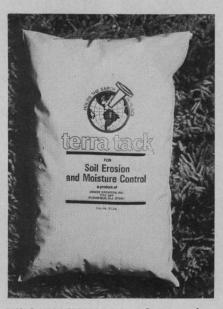
BROCHURE ON FYLKING 0217, Jacklin Seed Co., Dishman, Wash.

A new 12-page, full-color brochure, "0217[®] Brand Fylking Kentucky Bluegrass Lawn Seed and Sod Technical Bulletin No. 102," is now available on request. It describes the development of 0217 and discusses recommendations for planting and managing Fylking. The 0217 variety is disease and drought resistant. A cutting height of less than one inch suits Fylking well. For more details, circle (703) on the reply card.



IN-LINE FILTERS, Mectron Industries, South El Monte, Calif.

Small in-line filters, ideal for liquid fertilizer and chemical spraying equipment, are available. Elements will fit all standard fittings. With nominal micron removal ratings from 2 to 300, the corrosion resistant filters will function at -65 degrees to +550 degrees F. The flange mounted filters are made from RIGIMESH®, a patented sintered stainless steel woven wire mesh. For more details, circle (704) on the reply card.



MULCH MATERIAL, Grass Growers, Inc. Plainfield, N.J.

TERRA TACK is said to curb soil erosion and improve moisture control of grass seeded areas. It is available in powder form and can be applied with conventional hydraulic seeding equipment. It also may be added to an aqueous slurry of seed and fertilizer and applied simultaneously. Soil so treated is porous enough to allow ample moisture penetration, but strong enough to provide run-off protection. For a free booklet, circle (705) on the reply card.



OFF-ROAD AERIAL LIFT, Skyworkers, Inc., Conley, Ga.

This unit is called the most versatile off-the-road aerial device ever built. It is composed of a Model 1045 Skyworker mounted on a Model S Bombardier. Its working height is 50 ft. It can be operated on a slope up to 25 degrees. This aerial device is fully insulated for right-of-way line work and is equipped for hydraulic tools. For more details, circle (708) on the reply card.



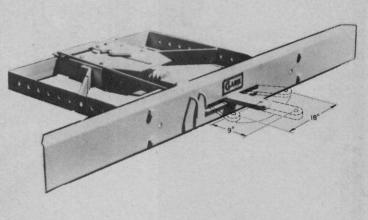
NEW SIZE FERTILIZER SPREADER, Herder Seeder Co.,

This new intermediate size is known as the Model 750 for 750 lb. (or 9.6 bu.) capacity. It will spread bulk fertilizers, granular chemicals and all kinds of seeds evenly and accurately. Coverage is from 10 lb. to 1,000 lb. per acre with width of spread up to 40 ft. This medium size, 3-pt. broadcaster is ruggedly constructed and is easy to operate. It features the same advantages as the firm's well-known 1,200 lb. model. For details, circle (709) on the reply card.



BAG HANDLING SYSTEM, B.A.G. Corporation, Dallas, Tex.

The gap is bridged between the 50 lb. bag and the pure bulk material handling systems. The new "One-Way Super Sack" is a combination of paper and polypropylene with polypropylene hoisting straps. It is about 42 inches in diameter, 52 inches high, and has a tare weight of 6 lbs. The load design is for a bulk density of 60 lb. material with a total allowable load of 2,100 lbs. With the advantages of a package and the economy of bulk shipping, it is a top-loading, bottom-discharge container. Handling the "Super Sack" is a one-man operation. Reusable flexible containers are also available. The specially-designed broadcast spreader shown is available. For more details, circle (710) on the reply card.



PICKUP TRUCK HITCH, Clark Manufacturing Co., Atherton, Mo.

This rugged combination bumper and hitch is designed to fit most half-ton and three-quarter-ton trucks. The heavy duty hitch $(34'' \times 3'')$ can be extended nine inches for easier connection. When extended, the side swing of the hitch is 18 inches, and will retract and lock with reverse motion of the truck. Heavy shock springs on the bar absorb forward and reverse motion, and can be released by hand latches. The bumper is included with the hitch and has holes for attaching safety chains. For more information, circle (711) on the reply card.



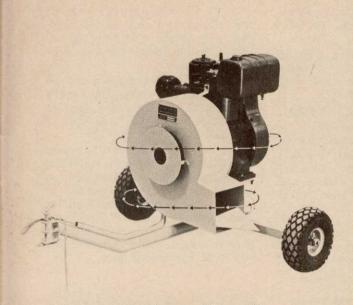
LAND LEVELER, Eversman Manufacturing Co., Denver, Colo.

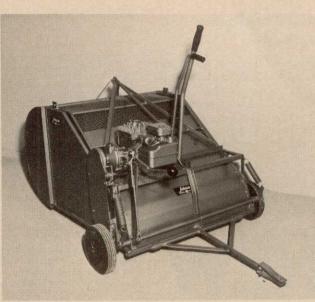
Sod farmers are using the Eversman Automatic Land Smoother to bring fields to table top condition for even seeding, uniform germination and precision harvesting. An exclusive crank axle makes the automatic leveling action possible. Like a child's teeter-totter, when one end goes up, the other end goes down. The leveler's main wheels are placed outside the cutting blade to serve as feeler gauges. They follow the contour of the field and automatically adjust the depth of the cutting blade to the correct depth. Models can be operated from regular wheel tractors, from 3-plow to 5-plow models. Blade widths are 9' or 12', lengths of 32' or 45'. For more details, circle (714) on the reply card.



FIVE-GANG MOWER, Roseman Mower Corporation, Glenview, III.

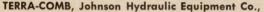
The five-gang mower raises clear of ground for transporting. Use it with any utility-type tractor equipped with a hydraulic system to operate remote hydraulic cylinders. Available with roller or laminated rubber-tire drive. Also comes in three, seven and 11-gang models. Width of cut: 30" per unit. Over-all approximate cutting width is 6'10" for 3-gang; 11'2" for 5-gang; 15'6" for 7-gang; and 24' for 11-gang. Height of cut is about ½" to 3". Reels have a 30" cut and come with 5, 6, or 10 blades. A nonbreakable, 12" diameter traction roller drive mounted to rear of cutting reel within side frames, eliminates bobbing of cutting reel. For more details, circle (715) on the reply card.





LEAF BLOWER, Hidden Valley Co., Akron, Ohio

The new Alderfer Leaf Blower is developed especially for golf courses to save time and serve several purposes. This 14 hp, high-velocity, self-cleaning blower is one in which blowing direction can be instantly changed from left to right, or right to left. Blowing direction is triggered from the driver's seat. The Alderfer Blower also is effective for blowing dew off greens and blowing away soil plugs after aeration of greens. Several important sales areas are open, and distributor-dealers are being sought. For more details, circle (712) on the reply card.



The new Johnson 'Work Horse' Terra-Comb is a pull-type unit easily handled by the average small garden tractor. It is the perfect machine for thatching in spring, picking up grass clippings in summer, and leaves in fall. It is powered by a Briggs-Stratton engine driving the pickup reel, that cleans a 34" wide swath and throws the materials into a 9 cu. ft. hopper. Unit is designed with end gate cover and can be emptied by simple lever operation. Pickup reel may be raised or lowered. For more details, circle (713) on the reply card.



ROTARY MOWER ATTACHMENT, Thomas Equipment, Ltd., Centreville, New Brunswick, Canada

A new rotary mower attachment has been introduced for the Thomas S/S Loader. The mower makes a 60-inch cut. Over-all width is 63 inches, and height of cut variable between 3 and 6 inches. The mower's three offset cutting spinners are driven by a v-belt from the unit's hydraulic motor. The reversible motor is protected against severe shock by an integrated hydraulic valve. The mower is mounted on extensions to the loader lift arms, and is supported by chains attached to the lift cylinders. Four quickrelease pins secure the mower to the loader. For more details, circle (716) on the reply card.



POWER SPRAYER, Fimco, Inc., Sioux City, Ia.

Finco, Inc., is now building a double cylinder pump sprayer for those who require 4 to 6 gpm, a power-packed 600 psi, and a larger tank. Model Number 55110-T features an anti-corrosive, baked-on plastic coating inside for longer life, a mechanical agitator, and a removable drain plug in the tank bottom. Available with 6' or 9' boom. For more details, circle (717) on the reply card.

NW Pesticide Applicators Go International

An aggressive group of pesticide applicators in the Pacific Northwest that recently initiated legal action against the federal government over the DDT issue has now expanded into an international organization.

Pacific Northwest Pesticide Applicators, Inc., on Feb. 20, became the International Pesticide Applicators Association, Inc.

President George M. Harrison said invitations already had been

NEW

90"

72" AND

TERRAIN KING

"Quick Change" Knives

The cutter with the

FLAIL MOWERS

sent to chapters in California, Florida and British Columbia. He welcomed others.

New bylaws have been written, and additional information is available by writing Harrison, P.O. Box 66022, Seattle, Wash. 98166.

Purposes of the non-profit corporation, Harrison said, include:

1. To improve the standards of the pesticide application profession and to bring into closer union the members of the insect, disease and weed control industry and allied horticultural trades.

The knives in Terrain King's new Flail Mower can be changed without tools – from a selection that tailors the Flail Mower to your exact requirements. And the knives are reversible for extended service life.

Extra heavy duty bearings and rugged frame and roller contribute to long, trouble-free life.

The Flail Mower is especially safe for the operator, pedestrians and property. Guards for both the drive line and the gear box are standard. The rotor enclosure and a heavy flap type deflector positively control flying debris.

The Flail Mower adjusts easily for cutting heights from 1-1/4'' to 7". It is available in lift or pull models, in 72" and 90" cutting widths.

Many of your mowing needs fall easily within the Terrain King Flail Mowers capabilities. The Terrain King One Complete Mowing System, comprising a wide selection of single unit Rotary Mowers, the 15' and 25' Wide-Swath Rotary Mowers, the versatile Slopemower* and the unique RAIL-BIRD[®], can handle the rest.





Engler Manufacturing Corporation 4444 Center Street, Dept.:WT-5 Houston, Texas 77007 (713) 869-9261

*Slopemower and RAILBIRD are trade marks of Astron Corporation, a subsidiary of Engler Manufacturing Corporation. ROTOR



2. To promote goodwill and safe and ethical practices among members and create confidence of the public in the ability and reliability of members.

3. To promote discussion and interchange of knowledge and experience among members that may be helpful to raising the standards of pesticide applicators.

The new organization offers both group memberships and individual memberships. Annual dues are set at \$150 per organization plus 10% of its total membership dues. Dues for individuals (members-at-large) are \$25 per annum. An annual meeting is to be held in September, with the city to be announced later.

Herbicides Most Harmful When Being Handled

A pesticide safety specialist with the University of California Agricultural Extension Service warns that even herbicides are dangerous to humans, especially to those who work with them in the field.

"Every worker handling toxic materials should be advised of possible danger to him, and should be instructed on correct rates of application and proper protective measures," Dr. J. Blair Bailey, entomologist, told the 800 or more weed control specialists at the recent California Weed Conference.

"Possibly more important than this is for you to tell workers **in advance** what to do in case of a severe splash or spill of the cencentrated chemical into eyes or onto skin."

Citing the latest State Department of Public Health, Bureau of Occupational Health, statistics, Dr. Bailey said in 1968 there were 66 cases of poisoning attributed to herbicides and defoliants, for sure. Since only workers covered by Workmen's Compensation insurance are counted, the number of poisonings is certainly higher, he said. In addition, he noted there were about 500 reports of eye irritation and "chemical burns" from physicians that year.

There were no occupational deaths attributed to pesticides that year, but it was only the third year out of the past 18 in which deaths were not reported, Dr. Bailey said. Usually, deaths occurred because someone was ignorant or careless and left chemicals where they could be accidentally consumed by humans, mostly children, or by livestock.

"But not all deaths from pesti-