Vermeer’s new stump cutter, powered with a 60-hp engine, is capable of ripping out stumps down to 15 inches below the ground, according to the Vermeer Mfg. Co., Pella, Iowa. The firm now offers six different models from 18 to 60 hp. The new Model 1560 has easy maneuverability for handling in enclosed areas.

Ky. Weed Control Researchers List Materials for Turf Work

Materials used last season for control of grass and broadleaf weeds in turf were discussed recently by James Herron, University of Kentucky Agricultural Experiment Station weed control specialist.

Here are the findings, with emphasis on recommended materials, test data, and promising materials:

**Crabgrass:** (Preemergence) Betasan was the most promising new material of several used in this category. Dacthal will be the recommended material this year, as well as Bandane, Zytron, and calcium arsenate. Herron thinks preemergence treatments are best.

**Postemergence:** Not considered the best way to control crabgrass, but nevertheless frequently used. Materials containing disodium or amine methyl arsenates will be recommended.

**Nimblewill:** Liquid Zytron did best in tests and will be the recommended material again. Lorox at low rates showed some promise, with top kill of nimblewill and no injury to adjacent bluegrass.

**Knotweed** (Broadleaf of the smartweed family): Dicamba and Zytron appear most promising. When applied in 1962 these materials still had some residual effect in 1963 tests. Tordon, used at low rates, showed some promise and will be checked out at higher rates.

**Chickweed and henbit:** Amine and Lithate, formulations of the old standby, 2,4-D, controlled henbit but not chickweed. Sivex, Dicamba, and Kloben gave good control of chickweed when used in postemergence fashion.
Help Wanted

OUR COMPANY is now operating in termite and pest control. We wish to expand into weed control, turf maintenance, tree care, etc. If you qualify to form and manage this new department, kindly give education details, experience, reference and personal data. Write Box 512, Havertown, Pa.

Miscellaneous

To Employers who advertise for men! The letters you receive in answer to your advertisements in WEEDS and TURF are submitted by each of the applicants with the hope of securing the position offered. When there are many applicants it frequently happens that the only letters acknowledged are those of promising candidates. (Others do not receive the slightest indication that their letters have even been received, much less given any consideration.) These men often become discouraged, will not respond to future advertisements and sometimes even question if they are bonafide. We can guarantee that every advertisement in WEEDS and TURF is duly authorized. Now won’t you help keep our readers interested in this advertising by acknowledging every application received, even if you only return the letters of unsuccessful applicants to them marked, say, “Position filled, thank you”? If you don’t care to reveal your identity mail them in plain envelopes. We suggest this in a spirit of helpful cooperation between employers and the men replying to Help Wanted advertisements. Put yourself in the place of the other fellow.

New Lawn Food Is Introduced

Nutro F/85 Turf Food, a new, high-nitrogen turf fertilizer, is being offered for the first time this spring by the Smith-Douglass Co.

It is also reported that Nutro F/85 has a “disciplined” feeding ability that makes grass green up fast, yet keeps it that way for weeks. It can be applied dry, or as a water-soluble solution. For details write Smith-Douglass Co., Norfolk, Va.

Tough Weeds Easily Destroyed

Persistent weeds in noncrop areas are now being controlled with a new group of herbicides. Researchers at General Chemical Div., Allied Chemical Corp., say that the herbicides attack weeds through the root systems, giving long-term control.

The weedkillers, new formulations of Urox, are applicable for industrial sites, railroads, highways, and other noncrop areas. According to the company, Urox ‘J’ is adapted for destroying Bermudagrass, crabgrass, and Johnsongrass. Urox ‘D’ is aimed at most annual and perennial grasses and broad-leaved weeds.

Hard-to-kill grasses such as quackgrass and broomedge are targets for Urox ‘H’. For more details write the company at 40 Rector St., New York, N. Y. 10006.

Minnesota Turf Conference
(from page 24)

urea-formaldehyde produced by chemical companies.

Special slow-release nitrogen compounds and coated soluble fertilizers are inorganic types. Many of these slow-release fertilizers are still in the experimental stage but some may be available soon. The sewage sludge and urea-formaldehyde types are presently available and are widely used on turf.

Annual applications of nitrogen, phosphorus, and potassium are needed for vigorous growth of turf. Because of the high nitrogen requirement of turf relative to phosphorus and potassium, and because of high leaching losses and other losses of soluble nitrogen from the soil, this element should be applied in excess amounts. Often two to four times as much nitrogen should be applied as phosphorus and potassium, particularly where grass clippings are removed, as on a golf green. Fertilizer grades such as 20-5-10, 16-8-8, or 20-10-10 are commonly preferred. Supplemental nitrogen may be applied as a liquid or solid any time during the season as needed.

Proper fertilization promotes healthy and vigorous grass and helps produce a desirable color; aids in preventing diseases and in controlling competing weeds; and minimizes damage from extended drought periods, Farnham said.

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INDEX TO ADVERTISEMENTS

Aero-Thatch, Inc.............Apr.
Amchem Products, Inc........3rd Cover
The Ansul Co................15
John Bean Division, FMC....Apr.
California Chemical Co., Ortho Div. ...17
Chippman Chemical Co., Inc........29
Diamond Alkali Co...........10
Doggett Fison Co.............6
E. I. duPont de Nemours & Co., Inc........4th Cover
Geigy Agricultural Chemicals.....7
Harder Arborist Supply Co........31
Hercules Powder Co............Apr.
Hooker Chemical Corp........25
Kemp Manufacturing Co........8
Morton Chemical Co...........4
The F. E. Myers & Bro. Co........Apr.
Niagara Chemicals Division, FMC........9, 21
Oregon Fine Fescue Commission........Apr.
Pennsalt Chemicals Corp......5
Robert B. Peters Co., Inc........33
Ryan Equipment Co............34
Shell Chemical Co.............Apr.
Solo Industries, Inc...........11
Stauffer Chemical Co...........2nd Cover, 27
Sun Industry, Inc............33
Tennessee Corp...............Apr.
Union Carbide Corp., Chemical Div........19
Velsicol Chemical Corp........3
West Point Products Corp........Apr.

Trans-A-Tainer Collapsible

A variation of its Quick-Bin package has been developed by the U.S. Bulk Handling & Container Co. Called the Trans-A-Tainer, the new product has a built-in pallet base. The upper part, which is collapsible, is of weather-resistant material that gives protection to dry, flowable products such as fertilizers, pesticides, etc., the firm maintains.

The company reports that five Trans-A-Tainers, when collapsed, require a storage area 60 inches high and 44 inches square. For details write the firm at 333 North Michigan Ave., Chicago 1, Ill.
Tordon 10K Pellets Get USDA Clearance for Brush Control

Tordon 10K Pellets have received clearance from the U.S. Department of Agriculture for use in controlling undesirable woody plants. Intended for spot or broadcast treatment of industrial areas, the pellets are available nationally in 50-pound drums. One drum will treat three-fourths of an acre of brush.

Directions call for spring or early summer application before growth begins. Further information can be obtained from The Dow Chemical Company, Midland, Mich., manufacturers of Tordon.

“Meter-Flow” Controls Spray

John Bean Div. has announced a new, lightweight, low-cost pump that reportedly provides accurate control of spray applications in spite of variation in tractor speed. Called the “Meter-Flow,” the centrifugal PTO-mounted pump features a fiberglass-reinforced plastic case and impeller, and permits pumping heavy wettables, slurries, and nongaseous liquid fertilizers. Delivery rate is 12 gpm at 40 psi.

The pump can be applied as a replacement unit and is also available on the company’s line of sprayer equipment. Details are available in Catalog L-1455 from John Bean Div. FMC Corp., Lansing 9, Mich.

Formulate Tedion as EC

A new, more effective weapon against mites has been developed in the emulsifiable concentrate form of Tedion miticide, it was announced recently by Niagara Chemical Division of FMC Corp.

A five-year research program and commercial trials last year show that the emulsion form of Tedion provides more rapid, complete, and longer lasting control of mites than the wettable form of this chemical.

Tedion EC performs best when used on a protective schedule. Commencing early in the season, it prevents mite populations from reaching damaging levels.

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<tr>
<td>Labor</td>
<td>.88</td>
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<tr>
<td>2,4-D Herbicide</td>
<td>1.63</td>
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<tr>
<td>Total cost for one acre</td>
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• Wheel scrapers help maintain cutting depth you set

Ryan Lawnaire aerates and slices, attaches to garden tractor
• Choice of times lets you aerate (like Motoraire above) or slice (aerate without removing cores)
• Riding seat is optional

Solo's new "Solo Jr." mistblower is said to be easily portable.

Solo Adds Knapsack Blower
A new addition to their mistblower line has been announced by Solo Industries, Inc. Said to be the lightest and most versatile knapsack-type blower in the world, this unit weighs only 15 pounds empty.

Called the Solo Junior, it has a 2½-hp engine that enables it to produce an effective reach of 25 to 30 feet. The air velocity at the nozzle is rated at 250 mph.

Complete data is available from the company at Box 128, Woodside, New York.

Vinyloy Has Smooth-Bore Hose
Vinyloy polyvinyl chloride hose is now available with smooth bore, is lighter in weight, and more flexible, says Vinyloy Hose & Tubing Co. It is produced as a continuous extrusion, reinforced with a spiral of rigid vinyl.

Stocked in many sizes in lengths up to 300 feet, it is available from the company at 8821 Kenwood Rd., Cincinnati 42, Ohio.

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Ansol Appoints Southwest
Southwest Solvents & Chemical Co. has been appointed manufacturer's representative for two herbicides, Ansar 184 disodium methanearsonate and its related compound Ansar 170. Manufacturer is The Ansol Co., Marinette, Wis.
AMCHEM Weed Control Programs save material, lower labor costs, save time for other jobs

Many companies have lowered the cost per day of effective weed control—on a full season basis—with an AMCHEM planned vegetation control program. You can save money on profit-robbing maintenance costs, cut fire hazards and keep fencelines and grounds around buildings more attractive. AMCHEM’S amazing AMIZINE and FENATROL herbicides fight weeds two ways to give you outstanding full season control: 1. Provide the important top kill and move throughout the weeds’ system to kill roots; 2. Prevent regrowth from germinating weed seeds for a full season or longer. And both are easy to apply in any standard sprayer—won’t corrode equipment. AMIZINE and FENATROL are non-flammable, odorless and won’t stain steel, concrete, etc. It’s just adding a weed or brush control technician to your staff when you do business with AMCHEM. Your AMCHEM/MAN can answer your most difficult control problems. Remember, AMCHEM is a pioneer in scientific weed and brush control—originators of 2,4-D and 2,4,5-T herbicides. Find out all the facts about the money and work saving AMCHEM Weed and Brush Control Programs. Write now for FREE brochures and technical bulletins. Dept.WT-45

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