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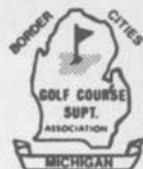
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Ted Woehrle, left, congratulating newly elected president, Jerry Gill.



President's Message

I would like to take this opportunity to thank our Immediate Past President, Mr. Ted Woehrle, for his service to us as president the past two years. They proved to be very fruitful to our Association. Thanks again, Ted.

Now that the Holiday Season is history and everything seems to be returning to normal, it would be an opportune time to plan for the upcoming season. Any Capitol Improvement projects your club or business intends, should be thought out and planned now when you have time to devote to this.

The winter months are also prime time to further your education in Turf Management by attending the Annual

Turf Conferences. Remember, these conferences are held to aid you and Golf Course Superintendents.

The Energy Crisis and how it will affect us remains to be seen. There is talk about gas rationing by spring. Clubs with gasoline powered golf carts may be forced to curtail operations, in order to conserve fuel for the maintenance of the course. We hope not, but there is room here for some thought.

Despite the Energy Crisis, the short supply of equipment and fertilizer products, let's hope by spring everything is under control so we can "Do more in '74."

President,
Jerry Gill

Pesticide Registration, Safety and Usage

By GREGORY PATCHAN, Oakland County Horticultural Agent

"Non-Toxic" Label Claims for Pyrethrins Banned - EPA has banned labels claiming that a certain kind of pesticide is "non-toxic to pets and humans". The change covers approximately 100 household insect killers, including some nationally advertised brands, that contain pyrethrins.

EPA emphasizes that there is no cause for alarm in using the insect sprays now on hand in homes as long as they are used according to directions. The new label requirement is related to truth in labeling and will end the use of unqualified safety claims on pesticide labels.

The change is effective for manufacturers now applying for registrations or for those amending their registration. Manufacturers holding registrations have until Dec. 19 to submit new labeling to EPA. One year is allowed for clearance of on-hand stocks of pyrethrin pesticides already packaged and labeled.

Tank Mixes and Serial Applications- There have been many questions raised with respect to tank mixes (combinations of two or more pesticides in the spray tank at time of application) and

serial application of one pesticide immediately or shortly following the application of another, as the practices relate to use inconsistent with the label. The policy of the Office of Pesticide Programs of EPA with respect to such practices provides for informal interpretation of use inconsistent with label instructions as such questions arise.

Tank mixes and serial applications may fall into one of several categories: *Category 1.* Instructions provided for such use on one or more labels of EPA registered products;

Category 2. Such use may be covered by an intra-state registration; and

Category 3. Various tank mixes and serial applications have been tested and recommended by Agriculture Experiment Stations or State Departments of Agriculture or are common agricultural practices.

Tank mixes or serial applications recommended on EPA labels (Category 1) are obviously consistent with the label.

Intra-state registrations remain valid until replaced by EPA registra-

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Pesticide Registration Cont.

tions under Section 3 of the amended FIFRA. This will occur generally after Oct. 21, 1974, and be completed by October, 1976.

Finally, the legislative history of the new pesticide act clearly shows that Congress intended EPA to apply the test of reasonability in enforcing misuse provisions. From this point of view, during a transitional period while parties adjust to the new law, tank mixes and serial applications in Category 3 will not be deemed use inconsistent with the label if:

a) the products in the mix are applied at a dosage rate not to exceed the label instructions for use of any product in the mix used singly for the same set of pests on the same crop; and

b) the label on one or more of the products does not explicitly instruct against such a mixture.

If adverse effects are observed from any particular tank mix or serial application, EPA may take appropriate action to rule the use of such a specific mix or serial application to be inconsistent with label instructions on a case-by-case basis.

Cancellation - On July 13, 1973, a notice was published in the Federal Register continuing the phaseout of no residue, or zero tolerance, registrations. Included in the pesticide use patterns involving food or feed which are not supported by finite tolerances,

exemptions, or interim tolerances is the use of *endosulfan on soybeans*. As this use would reasonably be expected to result in residues in or on the harvested food, the registration of this use has been cancelled by EPA.

EPA Certification Regulations to have 10 Commercial Applicator Groups: Proposed EPA guidelines on applicator certification standards will designate 10 "professions" as categories of commercial applicators; demonstration pest control; regulatory pest control; public health pest control; agricultural pest control; forest pest control; seed treatment; aquatic pest control; right-of-way pest control; industrial, institutional and structural pest control; and ornamental and turf pest control.

All commercial applicators will be required to meet a general standard demonstrating knowledge of safe pesticide use and the principles and practices of pest control. The agency will impose additional standards which will vary according to different applicator professions and situations.

EPA does not intend that a certified applicator be present during all applications of restricted pesticides. However, a State could make this a requirement if it should desire.

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Organization

Its True Purpose and Meaning

by the late JAMES E. THOMAS

We can speak of it as an organized body, or as a system, or as a society. However, as it applies to us as golf course superintendents, let's substitute the word organize; which means, to give an orderly structure to, or to frame and put into working order, or to make arrangements for or get up an understanding involving cooperation.

By fulfilling our duties as golf course superintendents, we find our work can be organized and divided into several different categories. Among them: Administration, which involves the planning and timing of our work. The arrangement of work facilities. The preparation of budgets, and our public relations program. Personnel relationships call for an understanding of labor considerations; such as the creation of retirement funds, hospitalization and health programs, year round employment for golf employees, the day-to-day management of our labor crews, and a good safety program for the prevention of accidents.

Also, we need to consider the importance of keeping abreast of the times; which necessitates the maintaining of a good up-to-date library, so as to provide us with good sources of information, and the results of new research progress.

Agronomic matters call for a working knowledge of grasses, soils, irrigation, trees, shrubs and ornamentals on the golf course. We must also know something about pest control; particularly - weeds, insects, diseases, nematodes, and miscellaneous var-mints. Also, an adequate know-how concerning the maintenance of equipment and machinery is a must for the successful operation of our golf facilities. Thus we have organization as it effects us as individuals.

Let us now consider organization as it applies to a society; such as our local Association of Golf Course Superintendents, and the Golf Course Superintendents Association of America. A group known as the Christophers in a recent release of their Christopher News Notes cite several ways to improve any organiza-

Continued on Page 11

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Organization — Cont.

tion. Their admonitions are worth repeating.

They tell us any association is capable of great good, if its members strive wholeheartedly to see that it serves a high and noble purpose. Yet, all organizations are made up of human beings, and accordingly there is a constant tendency; to lose sight of lofty objectives; to get bogged down in trivialities; to let the running of the organization slip by default into the hands of those who are either incapable, disinterested, corrupt or not representative of the membership.

Great stress is laid on the importance of the individual member. We are told to be selective, and to make the most of the time and effort we spare for group work. Also, to spend more of our time working for organizations, both local and national, so as to make a real impact for good in the accomplishments of our goals. That when we once join a worthwhile organization, we should be sure to take a conscientious, intelligent and active interest in furthering its objectives. We are admonished to live up to our obligations. That whatever our organization may be, it adds up to nothing more or less than one individual member like yourself. In short, you are the organization. What you do, or fail to do, can help or hurt its worthy objectives. Because you personally or individually, are so

important, make it your business to be more than a joiner. Membership confers rights, but it also imposes responsibilities. So, stir up rank and file members to recognize the importance of their personal participation, to attend meetings faithfully, and to take an active interest in all proceedings. Every effort should be made to eliminate unnecessary procedures, which bore the average member and discourages attendance at meetings.

We are urged to think for ourselves, and not to be *rubber stamps*. To work for the best interests of the entire membership, and not for a select few. Should you be one of a minority trying to push good ideas, remember perseverance has its reward. As a member of the loyal opposition you can serve a most useful purpose. Improve your own ability and effectiveness. Make it a point to learn the elementary principles of public speaking, and the art of expressing yourself. Develop the habit of getting all the facts, thinking things through, speaking on your feet and discussing issues in a logical way.

Adhere to your Constitution. Do this by familiarizing yourself with the specific aims and objectives of your organization, and from time to time read over its Constitution and By-laws. If your group strays or drifts away from its original purpose, urge members to return to the spirit of their Consti-

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Organization — Cont.

tution; if it is defective, or in need of adjustment, or improvement, follow orderly procedure to have it amended.

The rights of all should be protected. It is up to the membership to elect leaders who are truly representative, and to see that fair procedures are observed at all times. No one can do this for you, and to insure effective results, you must constantly protect your freedom of choice. Neglecting to give moral support to candidates for office, or failing to vote at elections opens the way to many abuses, e.g., apathy, stagnation, perpetuation in office, fraud or corruption.

Make it your business, to encourage capable leaders to run for office, and back them up when they are elected. See that their responsibilities are shared, keep first things first, and distinguish between essentials and non-essentials. Insist on the secret ballot for all elections and important

issues. See that delegates are chosen according to fair and honest practices. Make sure that vital records are properly protected and not tampered with. When abuses occur, use the power of initiative and referendum to correct them. Keep infusing new life into the organization by making meetings more meaningful, by giving listless members a renewed sense of motivation as well as gently removing dead wood, self perpetuation cliques, and those that seek personal privilege at the expense of everyone.

MATURITY...is many things

MATURITY is many things. First, it is ability to base a judgment on the Big Picture - the Long Haul. It means being able to pass up the fun-for-the-minute and select the course of action which will pay off later.

Maturity is the ability to stick with a project or a situation until it is finished.

Maturity is the capacity to face unpleasantness, frustrations, discomfort, and defeat without complaint or collapse.

Maturity is the ability to live up to your responsibilities, and this means being dependable. The world is filled with people who can't be counted on. People who never seem to come through in the clutches. People who break promises and substitute alibis for performance.

Maturity is the ability to make a decision and stand by it. Immature people spend their lives exploring endless possibilities and then do nothing. Action requires courage. And there is no maturity without courage.

Maturity is the ability to harness your abilities and your energies and to do more than is expected. The mature person refuses to settle for mediocrity. He would rather aim high and miss the mark than aim low - and make it.

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Lowering the pH of naturally alkaline or over-limed soils,

Reclaiming alkali and saline-alkali soils.

A number of sulphur-containing materials may be used to lower the pH of alkaline soils. Elemental sulphur, sulphides, polysulphides, sulphuric acid, sulphur dioxide, certain metal sulphates and ammonium sulphate produce this acidifying effect either directly or as a result of oxidation to sulphuric acid in the soil or by hydrolysis.

In addition to creating a more desirable environment for plant growth, lowering high soil pH values tends to increase the availability of phosphorus and micronutrients such as iron, manganese and zinc. Plants usually affected by these pH-induced deficiencies include soybeans, and, to a lesser extent, other beans, sorghum, wheat, oats, citrus fruits, ornamentals and certain lawn grasses.

Sulphuric acid, when added to the soil, is immediately available to neutralize alkalinity and to supply plant nutrient sulphur. Its use in the past has largely been limited to metering into irrigation waters. However, more recent developments in

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Sulphur Materials Cont.

equipment suggests that it may be directly applied to the soil by injection.

Aluminum and iron sulphates are being used to acidify the soil. When added to moist soil they hydrolyze. The metals precipitate in the soil as hydroxides and the hydrogen ions released from the water lower the soil pH.

Alkali soils are characterized by the replacement of calcium or magnesium on the soil particles by sodium. There may also be an excessive accumulation of soluble salts in the soil. As the proportion of absorbed sodium increases, alkali soils tend to become highly dispersed and impermeable to water and air. Excessive sodium is also toxic to crop plants.

The action of sulphur and sulphur compounds on these soils is either to supply calcium (as with calcium sulphate) or release insoluble calcium already present. The calcium replaces the adsorbed sodium on the clay particles. The sodium combines with the sulphate ion to form soluble sodium sulphate which can be removed by leaching.

If the alkali or saline-alkali soil also contains free lime (calcium carbonate), then any of the materials listed above under "Lowering of Soil pH" may be utilized. By lowering the pH, soluble calcium is released which then replaces the adsorbed sodium.

If the soil does not contain free lime, gypsum (calcium sulphate) is usually the preferred source of soluble calcium.

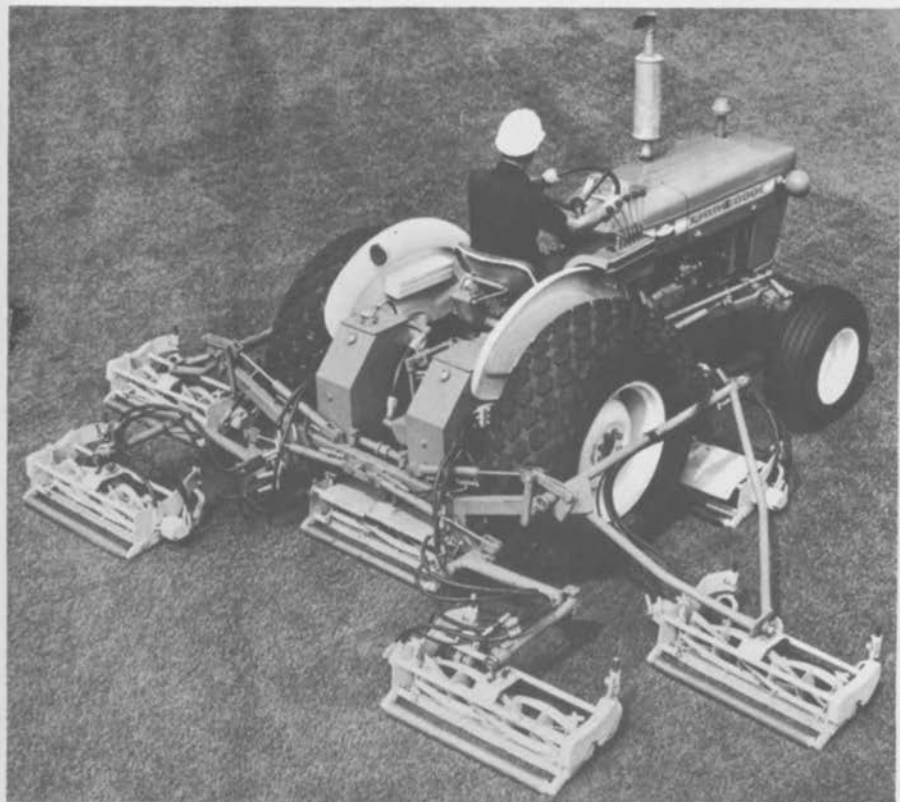
Editor's note - Have your soil tested before you use above information.

Whether they give or refuse, women are glad to have been asked.

When a woman is speaking to you listen to what she says with her eyes.

When a female says she won't be a minute she's usually right.

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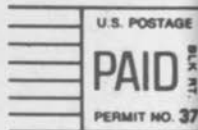
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