

Vol. 6, No. 9
March 1953



The Bull Sheet

Official Bulletin

Midwest Association of Golf Course Superintendents

Our 27th Year



DR. RALPH VOIGT

**THE MARCH MEETING
MONDAY, MARCH 9, 1953 — 2:00 P. M.
ACACIA COUNTRY CLUB
LA GRANGE, ILLINOIS
HERMAN DRAFKE, OUR HOST
TIMELY EDUCATIONAL PROGRAM
ROBT. WILLIAMS, CHAIRMAN
REGULAR MEETING
DINNER 6:00 P. M.**

YOU HAVE THE OPPORTUNITY OF ATTENDING TWO CONFERENCES THIS MONTH — THE MIDWEST REGIONAL TURF FOUNDATION CONFERENCE AT PURDUE AND THE ILLINOIS CONFERENCE SPONSORED BY THE MIDWEST ASSOCIATION OF GOLF COURSE SUPERINTENDENTS. IT WILL BE TO YOUR ADVANTAGE TO ATTEND BOTH. — MIDWEST REGIONAL TURF CONFERENCE, MARCH 2-4. PURDUE UNION. — ILLINOIS TURF CONFERENCE, MARCH 14.

DON'T FORGET THE GEO. A. DAVIS OPEN HOUSE, MARCH 5

THE BULL SHEET, official monthly publication of the MIDWEST ASSOCIATION OF GOLF COURSE SUPERINTENDENTS.

Editor, William H. Stupple, 543 Michigan Ave. Highland Park, Ill. Associate Editors: Bert Rost, Al Johnson.

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THE PRESIDENT'S MESSAGE

Many of us are just back from the National Conference at Atlantic City where there was much entertainment and two solid days of talks. This year the program was well organized, full of meat, and easy to listen to. The hall was always well filled and the last speaker of each day had a full audience. We feel that the trip was well worth while and we look forward to the 1954 Conference which will be held in Miami, Florida. The dates which we have at this time start on January 3. It would be well for all of us to try to get there and to lay our plans now.

The next educational event is the Conference or short course at Purdue on March 2-4. Dr. Daniel has arranged a most interesting program and you cannot afford to miss this one.

We, of the Midwest, are, this year sponsoring our own Turf Conference which we plan to make an annual event. It will be a one day meeting at the Drug and Horticultural Experiment Station of the University of Illinois at Downers Grove, Illinois and at the Morton Arboretum at Lisle, Illinois. Don't let the two towns confuse you, the two towns are adjoining and the two places within very short distance of each other. The meeting will be on Saturday, March 14 and there will be no fee. It is especially urged that the members of the Association make a special effort to get club officials and other interested parties to attend. Let's make it a big event.

So keep these dates in mind. The programs for both events are in this issue of THE BULL SHEET.

Ray Davis, President

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1953 MIDWEST REGIONAL TURF CONFERENCE, MARCH 2-4

A new part of the Midwest Turf Conference in 1953 will be the sections divided according to interest with each group having subject matter of specific interest to it being handled by different discussion panels.

Members of the Midwest Association of Golf Course Superintendents participating include Ray Gerber, Don Strand, William Smith, Bob Williams, Al Johnson and Andrew Dunn.

The panel discussion has been tried in two other conferences with excellent success, and the program committee feels sure that the midwest group can make the most of such an arrangement. A possible feature on the program also includes Mr. Tom Walsh of Westgate Valley Golf Course.

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GOLF COURSE SUPERINTENDENTS ASSOCIATION OF AMERICA ELECTION RESULTS

The following were elected officers of the Association for 1953.

President — Leonard Strong; Vice President — Norman Johnson; Directors — Andrew Bertoni, Robt. Williams, Colin Smith.

PETER M. STEWART

Peter M. Stewart, Superintendent at Butterfield Country Club since 1943, died on February 2nd, age fifty-five. Previously, he served in that capacity at Lake Shore Country Club, Highland Park, Illinois, for nineteen years.

He came to the United States from Scotland via Canada in 1921. He was born in Auchterarder, Perthshire, Scotland on November 27, 1897. During the first world war he served for three years in the Black Watch. His entire life here was spent in golf course construction and maintenance work.

Peter Stewart will be sorely missed by his many friends in the golf fraternity. For exuberance and energy in numerous lines of work and sports activities, he will long be remembered. He excelled in such diverse activities as golf, bowling, hunting, and less strenuous games. With his Scotch accent he could never hide his light under a bushel very long.

Surviving are his wife Alma, Edward (a fellow member of Midwest and Superintendent at River Forest Country Club), Faye and Donnie, and one Grandchild.

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THE ILLINOIS TURF CONFERENCE

The conference at Downers Grove on March 14, will be the result of years of effort on the part of our association to interest the University of Illinois in helping to solve our turf problems. The persistence of our Research Committee headed by Bert Rost and in other years by Ray Gerber and Don Strand, has won the enthusiastic cooperation of Dr. Ralph Voigt, and it is mainly thru his work that we have been able to win over the University to let us have this conference. It is a great step forward for our organization to sponsor its own educational conference and we hope this initial effort will lead to bigger and better meetings of the kind in this district. The facilities of the Morton Arboretum are wonderful and we are indeed fortunate that we have such a place which will be useful for our purpose. The Drug and Horticultural Experiment Station is new and is not yet fully developed, but that also offers us an ideal spot for our turf plots and greenhouse work on turf research. We, are indeed, very fortunate in having such an able and willing man as Dr. Voigt to help us in our educational work.

We hope we will have a full turnout and only from this and the enthusiasm in which the program will be received will we be able to continue our plans to make this an annual event.

The speakers on the program are all top men in their fields and we consider ourselves extremely fortunate that they have expressed a willingness to be with us and to help in every way possible to put the conference over.

Plans have been made to have lunch at Woodridge Country Club, where Association members, Ted Hammerschmidt and Peter Bild will be our hosts. Lunch is the only thing you will have to pay for and the price will be \$1.75. However, reservations must be in by March 10 and you will receive a card to be mailed in for that purpose.

Your fullest cooperation will be appreciated in interesting your club officials to attend this conference with you.

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PROGRAM
ILLINOIS TURF CONFERENCE

Auspices of the
Drug and Horticultural Experiment Station
University of Illinois, Downers Grove, Illinois
Saturday, March 14, 1953

MORNING SESSION

Dr. R. F. Voigt, Presiding

Drug & Horticultural Experiment Station, (one mile west of Main St., Downers Grove, on Ogden Ave. (Route 34), immediately west of Toll Gate Nursery.)

8:30 a. m. Introductory Remarks and Tour of Greenhouse. Dr. R. F. Voigt, Director, Drug & Horticultural Experiment Station.

9:00 a. m. Discussion and Demonstration on the Effect of Soil Structure on Grass Growth and Root Development, Dr. A. M. Rhodes, Instructor in Vegetable Crops, University of Illinois.

Thornhill Building Auditorium, Morton Arboretum (one mile north of Lisle, Ill. on Route 53—the Thornhill Building is in the west part of the Arboretum)

10:00 a. m. Welcome to the Arboretum, Clarence Godshalk, Director, The Morton Arboretum.

10:15 a. m. Synthetic Substitutes for Organic Matter (illustrated) Dr. F. F. Weinard, Professor of Floriculture, University of Illinois.

10:45 a. m. Soil Fertility Problems (illustrated) Dr. Charles Arnold, Assistant Professor of Vegetable Crops, University of Illinois.

11:15 a. m. Pathology in Turf Research (illustrated) Dr. Manson Linn, Associate Professor of Plant Pathology, University of Illinois.

12:00 noon Buffet Luncheon, Woodridge Country Club, located two miles south of Lisle, Ill., on Route 53. Ted Hammerschmidt, Host. Price \$1.65.

AFTERNOON SESSION

Bert Rost, Presiding

Thornhill Building Auditorium, Morton Arboretum

1:30 p. m. The Drug and Horticultural Experiment Station, Dr. E. R. Serles, Dean, College of Pharmacy, University of Illinois.

2:00 p. m. Horticultural Research Program, Dr. C. J. Birkeland, Head, Department of Horticulture, University of Illinois.

2:30 p. m. Chicago District Golf Association and Turf Research, Mr. Al. Agrimonti.

2:45 p. m. Research in Lawn Turf (illustrated) Dr. William Daniel, Director of Midwest Regional Turf Foundation, Purdue University.

3:15 p. m. Pure and Applied Plant Science, Dr. Harry Fuller, Professor of Botany, University of Illinois.

Sponsored by Midwest Association of
Golf Course Superintendents

For further information send inquiry to Dr. Ralph F. Voigt, University of Illinois, P. O. Box 58 — Phone 4030, Downers Grove, Illinois, or University of Illinois, 808 So. Wood St. — Phone Monroe 6-3900, Ext. 371 or 373, Chicago, Illinois.

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The Turf Research Committee met at the home of Dr. Voigt in Glen Ellyn on February 18 to discuss final plans for the Illinois Turf Conference. Refreshments were served by Mrs. Voigt and several of the members of the committee, although being on a diet, could not resist Mrs. Voigt's delicious angel food cake.

John Houdek, Arrowhead Country Club, spent his vacation in Nassau. He reported having a wonderful time golfing, fishing, swimming and boating.

MIDWEST REGIONAL TURF CONFERENCE

March 2-4, 1953 — Purdue Union

MARCH 2

9:00 - Begin Registration, Foyer

10:30-12:00 - Tour of New Greenhouses & Experimental Putting Green for those Interested

12:00- 1:00 - Speakers' Luncheon

1:15 - South Ballroom - G. O. Mott, Chairman

1:15 - Welcome to Purdue - Dr. J. B. Peterson, Head, Dept. of Agronomy

1:30 - Turf - Ready for Use - A Theme of the Conference! W. H. Daniel

1:35 - Soil Moisture Relations Under Turf - Dr. J. R. Watson, Toro Mfg. Co.

2:15 - Nitrogen Fertilizers, How Much? Where? - Dr. H. B. Musser, Penn. State College

3:10 - A Loaf of Bread - Prof. R. L. Kohls, Dept. of Ag. Econ., Purdue

3:50 - Getting Maximum Turf Use - Tom Walsh, Pro., Westgate Valley Country Club

4:30 - Announcements - Question Cards!

6:00 - Banquet - Purdue Glee Club

MARCH 3

9:00 - South Ballroom - F. Dunlap, Chairman

9:00 - Industry & Today's Turf - W. H. Daniel

9:15 - A Quarter Century of Soil Testing - O. J. Noer, Milwaukee Sewerage Commission

10:00 - Putting Grass Roots to Work - Dr. Geo. Gries, Purdue University

10:45 - Break

11:00 - Principles of Overseeding Turf - Mr. Al Radko, U. S. G. A. Green Section

1:15 - 4:15 - Sectional Meetings - See Sectional Schedule

7:30 - Open Meeting of Midwest Regional Turf Foundation (Everyone Invited) Kodachromes of Turf Research at Purdue in 1952 - W. H. Daniel

9:00 - Narrated Football Game Movies or Invited Kodachrome Pictures

MARCH 4

9:00 - 11:00 - Division Meetings - Panels 4 and 5

11:00 - General Meeting - W. H. Daniel, Chairman
Turf Over the United States in Kodachrome - Tom Mascaro & O. J. Noer

11:40 - Close the Conference

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DIVISION A — PRIVATE GOLF COURSES —
West Faculty Lounge

Chairman - Mal McLaren Secretary - Bert Rost

1. Labor Incentives & Working Conditions - R. Gerber, C. Smith, C. Wolfrom

2. Grasses - T. Boyd, D. Strand, A. Radko

3. Weed & Disease Control - O. C. Lee, J. Vaughn, E. Schneider, W. Smith

4. Aerification & Irrigation - J. Watson, T. Mascaro, A. Johnson

5. Fertilizer Use - O. J. Noer, R. Williams, H. B. Musser

DIVISION B — PUBLIC COURSES —
East Faculty Lounge

Chairman - Ted Meetz Secretary - Jim Brandt

1. Aerification & Irrigation - J. Watson, T. Mascaro, A. Johnson

2. Weed & Disease Control - O. J. Lee, J. Vaughn, E. Schneider, W. Smith

3. Fertilizer Use on Public Courses - O. J. Noer, R. Williams, H. B. Musser

4. Speeding Up Play - T. Walsh, R. Kennedy, H. Simmons

5. Labor Incentives & Conditions - O. C. Hockema, R. Gerber, C. Wolfrom, C. Smith

DIVISION C — FIELDS, SCHOOLS & MUNICIPAL GROUNDS — Room 355

- Chairman - G. O. Mott Secretary - Ed Fifield
1. Weed & Crabgrass Control - H. B. Musser, W. H. Daniel, O. C. Lee
 2. & 3. A Tour of W. Lafayette H. S. new gymnasium & Purdue U. Fields & Grounds - B. Floyd, J. Rae, J. Sinninger
 4. Fertilizing Large Areas - H. Bohling, O. J. Noer, Phil Savage
 5. Aerifying & Irrigating - J. Watson, T. Mascaro, A. Radko

DIVISION D — CEMETERIES, NURSERYMEN, INDUSTRIAL & LAWNS — Room 363

- Chairman - A. Mueller Secretary - Cliff Runyan
1. Developing New Turf Areas -
 2. Renovating Old Turf - O. J. Noer, B. Zimmerman, A. Radko
 3. Shrubs and Evergreens - R. B. Hull, 50 min. - C. Runyan
 4. Fertilizer Use on Large Areas - P. Savage, J. Dunn, H. B. Musser
 5. Labor Efficiency and Shortcuts - Chairman & Secretary Leading on Weed & Crabgrass Control -

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MODERN INSECT SNEERS AT DDT.

New generations of insects are growing up that sneer at DDT, Chlordane, Lindane and other bug killers according to Charles D. Michener, chairman of the department of entomology at the University of Kansas.

Michener, in a report to the office of naval research, said insects are building up an immunity to the poisons which at one time appeared to hold promise of nearly perfect insect control.

Yet today, before our very eyes, one after another of these insecticides is becoming ineffective in the control of some of our most important pests. Chemists and entomologists have become involved in a contest with these insects a race between the development and the use of new insecticides on one side and the ability of the insects to develop insecticide resistance on the other.

Recent research has disclosed that insects have found a way of making DDT harmless, converting into an innocuous chemical called DDE. As a result, some strains of laboratory flies have become so tough that 2,000 times as much DDT is required to kill them as was needed for the flies when DDT was first used.

Michener said science still knows little about the reasons why some insects can resist the bug poisons. Some of the tougher flies, he says, are larger and have thicker cuticle. Others undergo some physiological process that renders the DDT harmless.

Other methods of controlling insects will have to be found and greater care will have to be exercised to use DDT only where most needed.

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Reports have been coming in on vacation activities of Midwest Superintendents lately. We received a note from Bill Rueck. Bill and Mrs. Rueck spent January in various parts of Florida and Bill says he met Jim Service in Miami. Bill visited the P. G. A. course at Dunedin and found Bill Krafft there riding around the course on a scooter. Well, we all get old sometime and we might as well face it, Bill, but what I can't figure out how you are going to get around Fox Lake with all its hills this summer if you can't navigate a flat course like Dunedin.

A NEW IRON COMPOUND

There is a new iron compound on the market which may be better than iron sulphate for greening up yellow plants in the soil. The stuff is related to iron oxalate and is made by the Tennessee Corp. of Atlanta, Georgia.

Iron deficiency in the soil has, in this writer's opinion, a good deal more to do with turf troubles than is commonly thought. Much turf trouble attributed to fungi has in reality been due to an iron deficiency caused by the iron in the soil becoming tied up with other elements into compounds which are unavailable to the grass plant. While iron sulphate has helped to green up turf showing signs of iron chlorosis, this new compound is claimed to be much more effective. The iron product is just becoming available and it may be a short time before recommendations are made for the proper spray mixture.

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GUIDE FOR USE OF CHEMICALS

The Niagra Chemical Division of the Food Machinery Corporation has prepared a pamphlet on the use of its insecticides, and fungicides for the protection of shade trees, forest trees and ornamentals.

General suggestions for spraying are listed. The proportion and type of chemical to combat specific pests and diseases is given. There is a brief discussion of mist blowers and hydraulic sprayers and what type of material to use with each. A table gives dilution amounts for various concentrates and also the suggested amounts needed for treating various sizes of trees.

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DR. FRED GRAU RESIGNS

We note with a great deal of regret the resignation of Fred Grau from the United States Golf Association. Fred has been a hard and enthusiastic worker for better turf. He will be a hard man to replace. We want to thank him for his help in the past and wish him the best of luck in his future work.

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At the February meeting of the Association it was suggested that an annual membership list be published in the June issue of THE BULL SHEET of all paid up members for 1953. It is the hope of the officers of the Midwest that all members will have their dues in as soon as possible in order to retain their standing in the Association.

It is also the hope of the officers that all members of the Midwest join the National organization, not only for their own education and good but also that our organization will be well represented in the National Association when 1954 rolls around.

O—O

The winter of 1952-53 will probably go down in the records as one of the mildest winters in recent years in the Chicago district. Grass has been green practically all winter and there has been very little frost in the ground. There has been very little snow and what there was disappeared in a hurry. After the severe damage to turf experienced last spring after a severe winter and a great amount of snow, it will be interesting to compare the effects of an exactly opposite winter. Of course a lot can happen between now and spring, but turf looks pretty good at this writing.

SPREADING IT THIN

Frank and Mrs. Dinelli spent two weeks in The Florida Everglades where Frank dodged water moccasins and alligators, shivered in the Florida sunshine and caught fish, having a wonderful time. Frank then attended the Turf Conference and Show at Atlantic City and upon his return home, he and his wife hopped a train for Palm Springs, California, for a two week stay. That Dinelli really gets around.

Bill Schwantz of Hinsdale has been working on his new home during his vacation and hopes to move in on May 1.

Herman Drafke of Acacia C. C. has done a tremendous amount of tree moving and planting this winter. Herman moved 10 inch trees from one part of the course to another with the aid of a bulldozer.

Elmer Mueller of Timber Trails joined the Association at the February meeting.

Pete Bild of Woodridge attended the meeting in Atlantic City and then left for a two weeks vacation in Florida.

Mel Warnecke attended the Atlantic City meeting and planned on having his final gall bladder operation right after he got back.

Warren Roseman says the Roseman Tractor Equipment Co. plans to hold a spring equipment show and open house in May. Exact time and place will be announced later.

Ray Gerber did a wonderful job as Midwest Representative at the National meeting, and, although he did not have many votes to work with, he picked up a number of proxies there and materially aided in the election of Bob Williams as National Director.

Fred Halloran was called for jury duty the first two weeks in February.

Gabe Rosset and wife made the trip to Atlantic City in the new Packard and, after putting in a new rear end in the car there, they proceeded to Florida for two weeks.

Norm Kramer of Silver Lake spent two weeks in the hospital with a cracked spinal disk in January. Norm was well enough to attend our February meeting and expects to be in good shape again this spring. His brother, LeRoy, 19, who has been working with Norm, was signed by the Chicago White Sox and goes into Spring training the middle of March. He is a second baseman.

John and Mrs. Coghill spent a delightful month in Florida and are now back and have the kids in school again.

Ray Didier reports that Chuck Davey trained at Tam O Shanter for his championship bout with Kid Gavilan. Ray and Mrs. Didier went to the National meeting and then to Florida for two weeks.

Bert and Mrs. Rost had a lovely vacation in Florida the last three weeks in January, Bert says he caught a lot of fish and enjoyed every minute of the trip.

Al Rauch and family from Bonnie Dundee, spent the last of December and the first of January in Florida and had a wonderful time. Al reports they had a wonderful time over Christmas and were on the beach every day. Al particularly liked the time they spent in New Orleans on the way down.

John MacGregor is up and working after an operation during the Christmas holidays. He and Mrs. MacGregor attended the National meeting and John says it was really an exceptional meeting.

Al Johnson of Indian Hill reports that it has been a tough winter for winter sports, but that he has been able to keep his members happy by working day and night on the curling rinks.

The Educational Conference at Atlantic City was very well attended and everyone who attended reported that they had a very good time.

There were 903 registrations and it is reported unofficially that the show cleared \$5,600 for the National treasury.

Norm Johnson, newly elected Vice-President, and Midwest Alumnus, extended a cordial invitation to all of us to meet him again in Miami on January 3 of next year. Norman said, "I have been very happy in my new territory, but there will always be a place in my heart for all of my old friends of the Midwest. I will be proud to welcome you all to Florida. I know we offer the finest in sunshine, entertainment and a splendid meeting. Come and see me."

Herman Woehrle and wife were at Atlantic City. They had just returned from a month's trip to Germany, where Herman visited relatives. He took movies on his trip and he was called on to show them about 40 times at the meeting.

Oscar Borgmeier, as is his custom at all National meetings, invited all who were in attendance from the Chicago District to a banquet at Atlantic City. There were 40 in attendance and reported that they had a wonderful time.

John MacGregor is very proud of the Life Membership pin presented to him and to a number of other oldtimers of the Golf Course Superintendents Association at Atlantic City.

Dom Grotti is taking advantage of the open weather of this winter to play golf at every available opportunity. Dom says he would like to get on the winning end of the golf matches for a change this summer and since he has to carry his golf partner, who we will not mention, against Dinelli and Saielli, he is keeping in practice.

The fellows who have winter sports at their clubs have been having a tough time of it this winter. The ice is here today and gone tomorrow, but considering the weather, they are doing a remarkable job trying to give their members the best possible.

Norm Kramer of Silver Lake has so much winter work scheduled that he plans a mural painting of a green and a palm tree on the wall of his barn to give him that Florida feeling. That is as close as Norm plans to get South this winter. Norm built a number of new tees this fall and now has a tee with an area of 18,000 square feet.

Ray Gerber's reputation as a pheasant hunter is well established, especially in his home town of Glen Ellyn. Ray was at work one morning early in the hunting season when his wife, Jo, called him up all excited that there was a big cock pheasant in the back yard, "It's in the bushes peaking its head around the flowers and if you hurry home I think you can get it." Ray hurried, rushed into the house and to the window where his wife pointed out the bird. "Yes, it's still there. See it?" Ray saw and made a quick survey of the situation, got his gun, sent the dog in to flush the pheasant and waited for it to rise, but it was still there. Ray got the "bird" in more ways than one. One of his neighbors had stuck a stuffed bird in the bushes for Ray's benefit.

Pete Bild planted some 300 Black Hills spruce trees on the course at Woodridge this fall.

Plans are being made to hold the 1953 Pro-Supt. Tournaments at Mission Hills Country Club where Al Dorband is Superintendent.

SPRAYING TO KILL

WOODY PLANTS

Oliver C. Lee

Spraying with 2,4,5-T (2,4,5-Trichlorophenoxyacetic acid) or with equal parts of 2,4-D (2,4-Dichlorophenoxyacetic acid) and 2,4,5-T is recommended for killing undesired woody plants. Both foliage sprays applied during the summer, and dormant sprays applied during the winter months, are effective on many species.

Materials to Use

Mixtures of equal parts of 2,4-D and 2,4,5-T, sold as "Brush Killers," are satisfactory for ordinary mixed vegetation found in fence rows, on ditch banks, along right-of-ways of highways and utility lines, and for cleaning land. For species known to be difficult to kill, 2,4,5-T should be used. It is more costly to use than the mixture, but it is more effective on such plants as osage orange, briars, oak, hickory and other hard wood species. 2,4,5-T should be used on all species when applied as a dormant spray or as basal and stump treatments. (See paragraphs on dormant spraying basal and stump treatments.)

How to Apply Foliage Sprays

When foliage sprays are applied, during the summer months, the spray should be applied to the leaves. The amount necessary to produce a good kill will vary with the density of the infestation. Sufficient spray should be applied to moisten most of the leaves. The spray should be made by using 1 gallon of 40 per cent material in 80 to 100 gallons of water. Sprays should be applied with sufficient pressure (from 80 to 100 pounds) to penetrate the foliage and thereby assure good coverage.

How to Apply Dormant Sprays

When sprays are applied during the winter months, fuel oil or kerosene should be used in place of water. For over-all spraying of low vegetation, up to 6 or 8 feet in height, 1 gallon of 2,4,5T should be diluted with 25 gallons of fuel oil or kerosene. Sufficient spray should be applied to moisten lower twigs and branches as well as the stems.

How to Apply Basal Spraying

Sprays can be applied to the base of trees and shrubs to produce a kill and prevent resprouting. 2,4,5-T is recommended for this purpose. The spray should be made by mixing 1 gallon of 40 percent material with 25 gallons of fuel oil or kerosene. Spray the trunk of the tree or shrub to be killed from the ground level upward some three to four feet. Spray should be applied to all sides of the trunk in quantity to a point of run-off. A spray nozzle producing a narrow spray pattern is best suited for this purpose. The material can also be applied with a large paint brush in place of a sprayer, although this method is slow compared to spraying. Basal spray can be effectively applied at any time during the year.

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SELECT TREES THAT THRIVE IN LOCAL AREA

Buying trees and shrubs without regard to local growing conditions can be expensive as well as disappointing. Often the ornamentals which look so attractive in gayly colored photographs or around a friend's home in another city will not necessarily thrive here.

The Ornamental Growers Association of Northern Illinois lists the big factors that determine success in planting as climate, soil, a wise selection and care. Variations of sunlight, temperature and rainfall cause soils to differ greatly from one climate to another.

Even within a single climatic area, there are soil variations caused by differences in vegetation, degree of slope, and the nature of the parent rock. For this reason, no list of plants for an area can be completely foolproof.

Some trees easily grown in the Chicago area may not do as well in the hot plains of western Illinois, and certain ornamentals common in southern Illinois might not survive a Great Lakes winter, the association reports. Even within a family of trees or shrubs, various species may require different soil conditions. The silver maple, for example, prefers rich, moist soil; the Norway Schwedleri maple requires well drained, open fields, and the sugar maple thrives in rocky places and poor soil.

Altho failure to select plants capable of thriving in local soil and climate is one of the commonest planting mistakes it is one of the easiest to avoid when guided by experts. Careful observation of the varieties that grow in the neighborhood is wise, for those that appear attractive and thrive from year to year should be good choices.

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GRASS

"Next in importance to the divine profusion of water, light and air, those three physical facts which render existence possible, may be reckoned the universal beneficence of grass. Lying in the sunshine among the buttercups and dandelions of May, scarcely higher in intelligence than those minute tenants of that mimic wilderness, our earliest recollections are of grass, and when the fitful fever is ended, and the foolish wrangle of the market and the forum is closed, grass heals over the scar which our descent into the bottom of the earth has made, and the carpet of the infant becomes the blanket of the dead.

Grass is the forgiveness of nature—her constant benediction. Fields trampled with battle, saturated with blood, torn with the ruts of cannon, grow green again with grass, and carnage is forgotten. Streets abandoned by traffic become grass grown, like rural lanes, and are obliterated. Forests decay, harvests perish, flowers vanish, but grass is immortal. Beleguered by the sullen hosts of winter it withdraws into the impregnable fortress of its subterranean vitality and emerges upon the solicitation of spring. Sown by winds, by wandering birds, propagated by the subtle horticulture of the elements which are its ministers and servants, it softens the rude outlines of the world. It invades the solitude of deserts, climbs the inaccessible slopes and pinnacles of mountains, and modifies the history, character, and destiny of nations. Unobtrusive and patient, it has immortal vigor and aggression. Banished from the thoroughfares and fields, it bides its time to return, and when the vigilance is relaxed or the dynasty has perished it silently resumes the throne from which it has been expelled but which it never abdicates. It bears no blazonry of bloom to charm the senses with fragrance or splendor, but its namey hue is more enchanting than the lily or the rose. It yields no fruit in earth or air, yet should its harvest fail for a single year, famine would depopulate the world."

-Reprinted by request

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RESERVATIONS FOR LUNCH AT WOOD-
RIDGE, MARCH 14, MUST BE IN BY
MARCH 10.



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