

The Bull Sheet



Official Bulletin - Midwest Association of Golf Course Superintendents

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No. 8

PRESIDENT'S MESSAGE

TO BE

Dear Members:

I hope that you and your family did enjoy a very good time at our picnic and that next year we can duplicate this event on a much larger scale.

Emil Cassier and the Sycamore Park Commission are to be congratulated for their sincere cooperation in making this greenkeeper's family get-together, a real success.

I was certainly surprised to see so many prize awards which were donated by the Sycamore merchants. We are grateful to those persons who were responsible in making this event such an enjoyable one. I am sure that all of us who attended are aware of that. I hope that we can all get together again at Sycamore for another swell time.

Fraternally yours,

Don Strand
President

JULY 16TH 1948

MIDSUMMER MEETING

AT

BIG OAK GOLF CLUB

SPONSORED BY

MIDWEST ASSOCIATION OF GOLF COURSE SUPERINTENDENTS

GOLF IN THE AFTERNOON - BLIND BOGEY

EDUCATIONAL FORUM IN THE EVENING

DINNER AT SAMBO'S

6600 Gunnison
Chicago

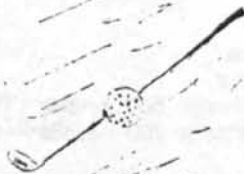
William Rueck - Host Superintendent

"I'd like to be a could-be
If I could not be an are,
For a could-be is a may-be
With a chance of touching par.

I'd rather be a has-been
Than a might-have-been, by far,
For a might-have-been has never been
But a has-been was an are."

EDUCATIONAL →

→ RECREATIONAL



SOMETHING ABOUT FERTILIZERS

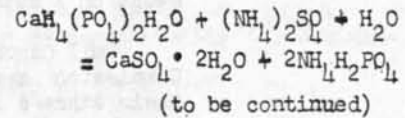
Synthetic Ammonium Sulphate. In 1923 synthetic ammonium sulphate from the German nitrogen fixation plants came into the world market in large quantities. It is now manufactured in limited quantities in many other countries. Ammonium sulphate is not, as might be supposed, manufactured to any great extent by treating ammonia with sulphuric acid, although this can be done. The method of manufacture followed is known as the gypsum process.

By this method ammonia water is conducted into a tank containing pulverized gypsum suspended in water. At the same time carbon dioxide is bubbled through the mixture under 5 atmospheres pressure. Ammonium carbonate is first formed, which in turn reacts with the calcium sulphate to form ammonium sulphate. The ammonium sulphate remains in solution and is recovered by evaporation after the resultant calcium carbonate has been filtered off.

Synthetic ammonium sulphate that is manufactured in the United States is sold under the trade name Arcadian. Arcadian ammonium sulphate differs from the ordinary commercial grade ammonium sulphate in that it has been neutralized, dried, and screened to remove lumps.

Commercial ammonium sulphate varies in color from white through a yellow to a gray salt. Occasionally various tints of brown, blue, yellow or gray may be present. These tints are due to impurities such as ferric ferrocyanide and arsenious sulphate or to traces of tar or its derivatives.

When ammonium sulphate is added to a fertilizer mixture containing superphosphate, and the mixture is allowed to stand for a time, the mixture is likely to become hard due to a chemical reaction that may take place between the ammonium sulphate and the monocalcium phosphate as follows:

TABLE FOR CALIBRATING FERTILIZER OF LIME DISTRIBUTOR

Yardage to be Traveled by Distributing Machines of Various Hopper Widths to Discharge 200 Pounds material at Various Rates Per Acre.

Width of Hopper In Feet	Rates In Pounds Per Acre									
	100	200	300	400	500	600	700	800	900	1000
5	5808	2904	1936	1452	1162	968	830	726	645	580
6	4840	2420	1613	1210	968	807	691	605	537	484
7	4148	2074	1383	1037	830	778	593	518	461	415
8	3630	1815	1210	907	726	605	519	453	403	363
9	3226	1613	1075	807	645	537	461	404	358	323
10	2904	1452	968	726	580	484	415	363	322	290
11	2640	1320	880	660	528	440	377	330	293	264
12	2416	1208	805	604	484	403	345	302	268	242

INSTRUCTIONS

- Put 200 pounds material in hopper.
- Set distribution controls at estimated position for desired rate.
- Select yardage under desired rate per acre.
- Operate spreader for the designated distance at normal speed.
- If 200 pounds is discharged before traveling entire distance, reduce the feeding rate.
- If 200 pounds is not discharged in designated distance, increase the rate of feed.
- Repeat operations until 200 pounds material is discharged in the designated distance for the desired rate per acre. Always start each trial with exactly 200 pounds material in the hopper.

EXAMPLE

Width of hopper	8 feet
Desired rate of application	600 pounds per acre
Amount of material in hopper	200 pounds
Distance to travel to discharge 600 pounds	1815 yards
Distance to travel to discharge 200 pounds	605 yards

The above method may be used for the whirlwind type spreader by using width of spread as width of hopper.

PRACTICAL RESEARCH

For association members who are very much interested in "on the job experimental work", the following layout of experimental plots, involving the study of chickweed eradication with 2, 4-D materials, is printed for the benefit of all members.

The plots were arranged by Dr. R. F. Fuelleman, Associate Professor, of the College of Agriculture, University of Illinois.

The rates of 2, 4-D material as recommended by Dr. Fuelleman should be observed only as an experiment and should not be considered a "CURE ALL" until the final analysis has proven successful under various situations and conditions.

For further information, contact our association turf committee:

Ray Gerber, Chairman
Glen Oak Country Club
Glen Ellyn, Illinois

STUDIES OF CHICKWEED ERADICATION WITH 2, 4-D MATERIALS

Fairway Plots 6' x 50' - all rates acid equivalent

1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
25	26
27	28
29	30
31	32
33	34
35	36
37	38
39	40

TREATMENTS

- A. Plots 1, 10, 22, 25
 $\frac{1}{2}$ pound AMINE in 100 gallons of water per acre immediately after mowing.
- B. Plots 2, 9, 20, 30
Checks. No treatment. Mow as usual.
- C. Plots 3, 15, 27, 31
 $\frac{1}{2}$ pound SODIUM SALT in 100 gallons of water per acre immediately after mowing.
- D. Plots 4, 17, 23, 28
 $1\frac{1}{2}$ pounds AMINE per acre as above.
- E. Plots 5, 11, 16, 21
 $1\frac{1}{2}$ pounds SODIUM SALT as above.
- F. Plots 6, 24, 32, 38
Same as (A) using low gallonage and low pressure.
- G. Plots 7, 14, 19, 36
Same as (C) using low gallonage and low pressure.
- H. Plots 8, 33, 40, 18
 $\frac{1}{2}$ pound AMINE per acre 40 hours after mowing. Repeat applications at 3 week intervals.
- I. Plots 12, 26, 29, 37
 $\frac{1}{2}$ pound SODIUM SALT per acre 48 hours after mowing. Repeat at 3 week intervals.
- J. Plots 13, 29, 34, 37
Same as (H) plus NITROGEN fertilizer.

1948 CALENDAR OF COMING EVENTS

THE MIDWEST ASSOCIATION OF GOLF COURSE SUPERINTENDENTS will hold its monthly membership meeting on Monday, August 9th, at Coghill Golf & Country Club, Lemont, Illinois.

THE MIDWEST INSTITUTE OF PARK EXECUTIVES will conduct a FIELD DAY on July 15th, at Gary Park, Indiana.

THE CHICAGO ROAD EQUIPMENT SHOW will be held in Grant Park, July 16th to 24th.

THE 1ST ANNUAL GOLF TOURNAMENT between the Midwest Association of Golf Course Superintendents and Illinois Section, Professional Golfers Association will be held at Tam O'Shanter Country Club, September 13th.

THE GREENKEEPING SUPERINTENDENTS ASSOCIATION (National) will conduct its Championship Golf Tournament, at the Medinah Country Club, October 4th and 5th. All matches will be played during the mornings of the two day event. The afternoon sessions will be devoted to educational programs and tours to golf courses in the Chicago area.

20TH ANNUAL NATIONAL TURF CONFERENCE AND EQUIPMENT SHOW sponsored by the Greenkeeping Superintendents Association, will be held in Los Angeles on February 7th to 11th, 1949.

TO ALL GREENKEEPERS:

We have been receiving many inquiries asking us what has been done about plans for a Special Train from Chicago to Los Angeles, next February for attendance at the National Association of Greenkeeping Superintendents conference. The answer - nothing has been done about it to date. If the association knew how many plan to go by train, perhaps something COULD be done BUT WHEN THERE IS ZERO COOPERATION, THEN THE ASSOCIATION REALLY HAS A VERY SERIOUS PROBLEM ON HAND.

NEW MEMBERS:

Thomas E. Olinger (Regular)
 Pipe-O-Peace Golf Club
 Blue Island, Illinois

Tom Mascaro (Associate)
 West Point Lawn Products
 West Point, Pennsylvania

August N. Hansen (Associate)
 General Tractor & Equipment Co.
 120 S. La Salle Street
 Chicago, Illinois

 SEND IN THE NEWS
 WE CAN'T PRINT IT
 IF WE DON'T KNOW IT

LETTERS TO THE EDITOR:

Dear Mr. Johnson:

Enclosed you will find a copy of a proposed project for the control of chickweed. It uses a minimum amount of space and is more or less a preliminary setup ---perhaps, I should say, of an exploratory nature.

We have not heard from you since our visit in April, and wondered if interest in the project had subsided.

Pressure from all sides for experimental work and data has been tremendous. Both Fred Slife and I have been on the go almost continuously during recent weeks. This in addition to teaching and meetings at various places.

We would like your comments on the project or any suggestions you may have.

Very truly yours,

R. F. Fuelleman
 Associate Professor
 Department of Agronomy
 University of Illinois

Dear Norman:

That was a breezy well-handled readable sheet that you sent up here, and noticing your name at the masthead, then you are the guy to take a bow. Whoever named it, is a gent after my own heart I like humor that steps briskly up to a line --- but never slops over.

To me, the most interesting item in the lot was the one about the greenkeepers and pros finally getting together; --- the Millenium is now here, there's no doubt about it.

But remembering back to the days when two greenkeepers would hardly speak to each other, much less to a pro, I would say a lot of progress has been made.

We're going to have quite a large Exhibit at the Chicago Road Show in Grant Park, July 16th to 24th. Our booth is #3032, and it is south of the big stadium.

Please extend an invitation to the boys to come over and see us. It will be the greatest machinery show on record, with something like \$25,000,000 in exhibits.

Sincerely,

Kenneth E. Goite
 Resident

EDITORIAL STAFF

Editor:
 Norman C. Johnson
 470 Phillips Avenue
 Glen Ellyn, Illinois

Associate Editors: William Stupple
 Ray H. Gerbey; John R. Coghill, Robert
 Williams. Raymond N. Bidler