

I did use Semesan on the greens. As to what hastens fungus diseases, I do not believe that over-feeding does, but I do think that over-watering is a mistake. I have not observed any diseases on greens that have been dried out for lack of water.

As to the criticism about topdressing in summer you would think I was committing a crime, but my chairman has seen his mistake and says, "Fred, we listen to no one next year."

I think if all of us use a little lime this year we will be better off as we have seen great changes since I used it on my course. I have topdressed three times in one month, using one-third sand and two-thirds loam and am going to keep it up.

I have one member who wanted to get a new greenkeeper, but it blew over. He has come around and said he was sorry for what he said. Here's hoping that 1932 will be better.

Calo-Green Used At Columbus

By RAY SCHURTZ, *Greenkeeper*
Worthington, Ohio

WE HAD plenty of web-borers (through the chairman of Green here). We used arsenate of lead but not with best results. I believe it did more harm than good to the greens, that is in that certain time of season.

2. We had much of both kinds of brown patch but always cleared it in short time with Calo-Green.
3. No, we used fertilizer but not so much.
4. I believe that over-feeding and over-watering hasten fungi diseases in different kinds of weather.
5. Yes, we had dollar brown patch more severe on the most elevated places on our greens where they had dried out most.

I hope the above will help a little in solving some of the difficulties which we have been through this season.

Ostrom Follows Nature

By E. T. OSTROM, *Greenkeeper*
Hillside Golf Course, Hillside, Illinois

IN RESPONSE to your questionnaire which I received concerning the difficulties of the foregoing season I answer the following:

- At no time did I have webworm.
- I am a user of common fertilizers.

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I am certain over-feeding or over-watering does hasten fungus disease.

My greens have always had plenty of water and I have had no experience with diseases on dry greens.

I never have had a case of brown patch during my 16 years' experience as a greenkeeper. I believe my success lies in that I follow nature as closely as possible.

Muncie Had Webworms

By A. M. ESTERLINE, *Greenkeeper*

Delaware Country Club, Muncie, Indiana
I WILL answer your questionnaire as well as I can.

1.—Yes, I had webworms on all of my greens. We used arsenate of lead on the greens at the rate of eight pounds to one thousand square feet. We got rid of the worms but they came back and we gave them the same treatment again.

2.—Yes, our turf was affected with both large and small brown patch. We used mercury and fertilized with Naco afterward, just as soon as we could get it on the greens.

3.—We did not use much fertilizer as we do in

the spring or fall but we had to use more this year than we ever did before; the season was harder as you know.

4.—Well I cannot answer that question; it may on some greens while on others it does not. Our Number 11 green has had the same treatment as the others and we have had no brown patch on it

since it was built four years ago. We have never paid a dime treating it while the others have cost plenty every year.

5.—Well as to that I cannot say for our greens have not a tile in any of them at present but we will tile this fall and winter. I know they need air.

Answers to Questionnaire (See page 6)

By MAJOR JOHN J. HAFF, *Supt.*
Blind Brook Club, Port Chester, N. Y.

- 1.—No.
- 2.—Yes. Checked by Calo-Clor applied with a power sprayer.
- 3.—Yes.
- 4.—Both over-feeding and over-watering hastens fungus diseases.
- 5.—No such diseases have appeared up-to-date.

By A. BULLER, *Greenkeeper*
Chikaming Country Club, Lakeside, Michigan

- 1.—Yes, very bad. Used Semesan and arsenate of lead, but had to re-seed afterward. Weather still very hot and dry.

- 2.—No, not until this month and very light, using same as above.
- 3.—Absolutely.
- 4.—A great deal.
- 5.—No.

By PAUL B. WHITNEY, *Greenkeeper*
Queens Valley Golf Club, Forest Hills, N. Y.

- 1.—No.
- 2.—Yes, Semesan used with good results.
- 3.—No. Spring and fall.
- 4.—Yes.

By HENRY PROVENCE, *Greenkeeper*
Firestone Country Club, Akron, Ohio

- 1.—No.
- 2.—Yes, small brown patch on four greens. I used Semesan on them. I also tested my soils and they showed very sour, so I gave each of the four greens one hundred pounds of limestone and they came along fine.
- 3.—No.
- 4.—That I cannot say as we water eighteen every other night and it proves O. K. for us. As for feeding we topdress and fertilize every month there-

fore I could not say how much over-feeding and over-watering hastens the diseases.

5.—No.

By A. W. KROLL, *Greenkeeper*
East Aurora Country Club, East Aurora, N. Y.

- 1.—No.
- 2.—Large brown patch. I used mercury, two teaspoonfuls to three gallons of water.
- 3.—Yes.
- 4.—Yes, over-feeding.
- 5.—No.

By TOM BOYD, *Greenkeeper*
Fox Hills Golf Club, Stapleton, L. I.

- 1.—No.
- 2.—Nu-Green.
- 3.—No.
- 4.—Yes.
- 5.—No.

By ANDREW WELSH, *Greenkeeper*
Schwartz Creek Park Golf Course, Flint, Michigan

- 1.—No.
- 2.—Yes, large brown patch, very severe. Used Nu-Green.
- 3.—Yes.
- 4.—I think over-feeding does.
- 5.—Not on our course, but some in Michigan district.

By WILLIAM TOBIN, *Greenkeeper*
Laconia, New Hampshire

- 1.—No.
- 2.—Quite a lot of small brown patch. I used Calo-Clor with good results.
- 3.—Yes.
- 4.—I think over-feeding does, but not over-watering.
- 5.—I have not seen any greens dried out for lack of water.