

Humber Valley Fortunate

By JOHN AUSTIN, *Greenkeeper*

Humber Valley Golf Club, Humber Bay, Ont.

WE ARE about to the end of another trying season, which all greenkeepers will be glad to see through. It has been an extra hot season with occasional heavy rains which did more harm than good for the greenkeeper.

I, myself, have been very fortunate, having suffered very little from disease to the greens. The method I have adopted is top-dressing my greens each month with an application of 30 pounds organic fertilizer and 6 pounds sulphate of ammonia per 1000 square feet with one-quarter yard compost, composed of one-third top soil, one-third sand, and one-third rotted manure or mushroom soil.

I have four greens which were badly scalded during July. The method I used on these greens was letting them dry out for five days; then I gave them a light application of sulphate of ammonia at rate of 5 pounds per 1000 square feet and watered them. I continued this for a period of three weeks at intervals of four days between each application. At the end of three weeks these greens were fully recovered from the scalds.

I do all my watering of greens in the morning between the hours of 7 and 10. This I do because we get heavy play during the day.

I think excessive watering will hasten the fungus diseases because it conduces rapid growth and weak tissues and also affects the bacterial activity which leaves the roots in a weakened condition and subject to disease.

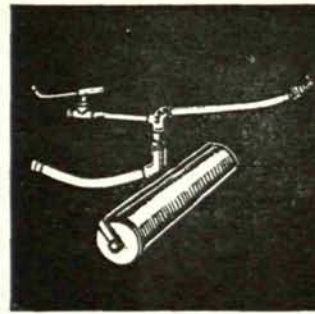
Bucyrus Was Hit Hard

By LLOYD ADAMS, *Greenkeeper*

Bucyrus Country Club, Bucyrus, Ohio

I WILL try and answer your questions as well as I can. Our greens became infested with webworm around the 15th of June. I treated with arsenate of lead, but not until late in July. We did not know what it was at first. I used 5 pounds to 1000 square feet, mixed with dirt—5 pounds to a bushel of ground, then watered in well and got good results.

In a week I could not find a worm. But have seen a few in the last two weeks, but don't think



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they are doing any damage. Our turf was affected with what I thought was small brown patch. I used Calo-Clor with good results.

I think our greens at one time were as bad as any I have heard of. They are all back now, but Nos. 3, 5 and 6, which were the last ones to go bad. However, they are slowly getting better.

I sulphated, 3 pounds to 1000 square feet, yet I think the hot weather is slowing them up a little now. But my worst greens are as good now as they ever were.

We never have used any other fertilizer but ammonium sulphate and I think that has been a little of our trouble this hot season. I believe over-feeding our greens has a lot to do with fungus diseases and the only time fungus shows up is when we get a big rain and hot, humid weather.

We have had more rainfall in our section than any place near around which makes me think too much water has a lot to do with it. Our greens seem to get hit as bad on dry spots as well as a wet green.

This is the first year we ever had any trouble and have had plenty to make up. I put in a new green June 10th, this year, but it came slower than any

green we put in. It was not hit with brown patch, but as soon as I gave it a treatment of Calo-Clor it has done better.

Rock Island Fares Well

By JOHN HILL, *Greenkeeper*

Rock Island Arsenal Golf Club, Rock Island, Ill.

1. We had no webworms or worms of any kind. All the other courses around this part of the country had more or less cutworms.
2. I had hardly any large or small brown patch, using Calo-Clor as a preventative. I also think this takes care of the worms in your greens. I mixed my fertilizer with my topdressing, then watered it in.
3. Used very little of any kind of fertilizer during the months of June, July and August.
4. Over-feeding, I think, forces your grass more and forms a rank growth which hastens fungus diseases. I think over-watering will have the same effect.
5. No, I have been lucky in respect to diseases.

No Trouble At Gulfport

By FRANK JONES, *Greenkeeper*

Gulfport, Mississippi

REPLYING to your questionnaire, this golf course has been closed since May 1st. We have carpet and Bermuda grass fairways and Bermuda greens. Have kept fairways and greens mowed regularly and have not used any fertilizer or watered any during the summer.

The course is in very good condition. No webworm or disease of any kind has been visible. Will

sow greens to Italian Rye starting October 15th. During the winter months we have a fungus disease and brown patch on greens, although I had beautiful greens last season. Will give you more information on turf disease here during the open season.

Nu-Green Used At Winnipeg

By JOHN THOMSON, *Greenkeeper*

Kildonan Park Municipal Golf Course

Winnipeg, Manitoba

IN ANSWER to your questionnaire to hand, I am sending you this short account of the methods adopted by us this season.

This season we have had plenty of troubles, such as frost, wind and drought. About the third week in June our greens were in fine shape, when the weather turned very hot indeed for Manitoba and big brown patch struck us badly on greens Nos. 4, 7, 9 and 12.

These greens are all along the Red river and are sheltered by trees. We used Nu-Green in the specified amounts and found it very satisfactory. We used this treatment twice in 10 days and brown patch left us for the time being.

Our methods for fertilizing greens are as follows: From the first of spring until the second week in July, 25 pounds of sulphate of ammonia to 1000 square feet. Then from the middle of July until the end of September 100 pounds of tankage to a green of 6,000 square feet surface.

I have never seen any green over-fed on Kildonan Park Golf course, but I do believe that over-feeding and over-watering with excessive heat prevailing, hastens fungus diseases.

My Poa Annuua Went Out

By FRED LARRENCE, *Greenkeeper*

Deal Golf Club, Deal, N. J.

IN REGARD to your letter of September 8, I have had trouble and plenty of it, but it was due to my Poa Annuua going out on me and hot weather and showers. I had four greens go out over night and I went to forking and using lime. I preserved three greens and with soil and Cocoos bent got a good catch. I also sanded well using as much as ten tons to the green.

Answering your detailed questionnaire, I had no webworm but some leaf spot. I use no fertilizer, but



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