

weather is hot and dry. I believe you can overfeed the grass and make it grow so fast that it naturally smothers itself.

The tees and the fairways were kept in first-class playing condition through the summer because I could get plenty of water to my fairways and greens. In this respect we were most fortunate.

I hope I will be able to see you all this winter at the Columbus Convention and send my best regards to all.

E. M. MONROE, *Greenkeeper*,
Lakewood Country Club, Edgewater, Colorado.

* * *

Gumbo Soil Cracks Badly

I AM going to try to reply to your letter in regards to this year's drought and how we came through it. As this is the first article of this kind I have ever written, do not expect too much.

Our fairways, the soil of which is pure gumbo, have suffered a great deal. In fact they are so badly cracked in some places that a ball could roll down out of sight. The only fairway we had a chance to put water on was the eleventh. Consequently that is the only fairway on the course in good shape. I think the showing there will convince the members of this club of the advisability of putting in a fairway watering system.

Have experienced no trouble in keeping our greens and tees in shape although it has meant constant watering day and night.

As we have had plenty of rain the last two or three days I expect no more trouble as far as drought is concerned.

DONALD T. JOHNSTON, *Greenkeeper*,
Niakwa Country Club,
St. Vital, Winnipeg, Manitoba, Canada.

* * *

Golden Valley In Good Shape

I WANT to contribute a few lines to your magazine and want to state briefly that we have been rather fortunate this summer considering the terrific drought. Having good support from my chairman we have managed to keep Golden Valley a marvelously conditioned course all season.

We have been able to give our greens, tees and fairways plenty of water although at times our water supply was very low. We have a flowing creek from which we pump our water with two centrifugal pumps with a capacity of five hundred

gallons per minute. These pumps have been runnings continuously day and night during the dry spell.

We raked our greens about the middle of July and then applied from one hundred to one hundred and twenty-five pounds of Milorganite to a green with a top dressing composed of one-third peat and one-third heavy soil. About three weeks later we sulphated, using about four pounds to a green. The tees were treated the same as the greens.

I cannot say that this process has made our greens immune from brown patch but am pleased to state that I have not been troubled with either brown patch or crab grass.

MIKE SANKO, *Greenkeeper*,
Golden Valley Golf Club, Minneapolis, Minn.

* * *

A Lucky Greenkeeper

I HAVE been asked to send in a statement, telling, "How we maintained our golf course during this summer's drought."

I was one of the lucky ones for our course is equipped with city water and plenty of it. Our greens and tees were in the finest condition all this summer. Of course, the fairways suffered the loss

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For your fairways which have doubtless suffered from the severe summer, we suggest Scott's Seed. Ask for quotations on New Crop Kentucky Blue Grass, Redtop, Chewings Fescue and any other grasses in which you are interested.

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of water a good deal, because we have no means of watering them.

At the beginning of this season, we began by having two men do all the watering at night. But because of the inconvenience due to having no light, the two men could not water the eighteen greens, sufficiently well, to keep them in the best of condition. So now, we begin work, in the morning at five o'clock. Each man has two greens to water, and each green is watered from forty-five to sixty minutes every day.

Approximately every six weeks I use one hundred pounds of Milorganite, to the green, for top-dressing and find that my greens stand up wonderfully well, considering the amount of players. We have on the average of three-hundred and fifty players daily, and they tell me that my greens are in as fine shape as those on private golf courses.

I also use sulphate of ammonia once every month on the greens and find that with these three helps, I have overcome the drought of 1930.

JOSEPH KLEBBA, SR., *Greenkeeper*,
Rackham Municipal Golf Course, Detroit, Mich.

Anderson Used Humus

I HAVE a very poor water system and in order to conserve what moisture I do have I use lots of humus in any form on both tees, greens and fairways. I don't know of anything better. Of course, a greenkeeper must use his judgment—on a season with lots of moisture he would have to cut down on the humus for his greens.

JOHN L. ANDERSON, *Greenkeeper*,
Cedar Brook Golf and Country Club,
Scarboro, Ontario, Canada.

Drought Delays Opening Course

WE DID not open our 18-hole course this year on account of the two and one-half month's drought and we thought playing would harm new seeding on fairways, so we plan to open next June.

The only trouble I had this year was small brown patch for which I used Semesan.

My greens and tees are in good condition now and with our one hundred thousand gallon tank and fairways piped I kept the fairways in fair condition.

I have twelve men and five women on golf and nine men on gates, parks and roads. I enjoy reading your NATIONAL GREENKEEPER.

D. K. DAVIS, *Superintendent*,
Day Forest Estates, Glen Arbor, Mich.