

treated areas for 48 hours to give the worms ample time to feed on the poison. Effects of the treatment can be observed within 24 hours.

Under no consideration should an application be made when the grass is wet and 36 hours should elapse between the last watering and the time of treatment. By clipping the grass short just prior to treatment a better job is done. Regarding the effect of the treatment on the grass, bluegrass and other grasses of lawns and golf courses in recent tests showed no injury while the bents of putting greens showed a definite favorable stimulation. The effect of the treatment lasts about a year.

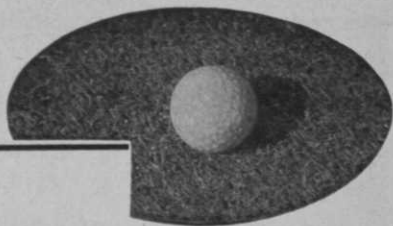
Birds May Be Minor Pest

A secondary effect of an infestation of the sod webworm is the severe damage done to the turf by birds as they feed on the insects. Large birds like starlings and grackles, tear our tufts of turf that make the green unplayable until rolled.

Cutworms can be controlled by the same treatment recommended for the sod webworm but they ordinarily do not appear in sufficient numbers to warrant such expense. Hand picking is the usual method of control. Another way is to flood the areas and pick up the worms as the water forces them to the surface. This only applies where heavy watering is permissible for, under some conditions, excess water is a very serious menace and causes considerable turf trouble.

In some sections, especially those with a sandy soil, the cicada killer, a large wasp that preys on the dog-day locust, is a troublesome pest because of the numerous burrows it makes in the fairway. The diggings from these burrows form mounds up to 1½ inches high and 5 inches in diameter. The turf is disfigured to a considerable degree. Calcium cyanide dust placed in the holes and the openings closed with earth is an effective means of control.

In conclusion, I say that the greenkeeper, to avoid serious damage from turf pests, must observe two important factors: first, to be able to recognize the early stages of damage by the various pests, and, second, to know what treatment is most effective against them that will not injure the turf. If there is any question of doubt, agricultural experimental stations should be consulted and their facilities used at every opportunity.



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Tyson Talks on Fairways at Midwest GA Meeting

PROF. JAMES TYSON, Michigan State College, Lansing, Mich., served as star witness in a question-and-answer forum following his talk on "Fairway Turf", at the Midwest Greenkeepers Ass'n recent monthly meeting.

Tyson lead off with a strong tribute to wartime golf as a needed form of recreation. For meeting emergency upkeep problems 1½ in. cut for fairway turf was recommended as ideal. Results from two test plots, planted to Kentucky bluegrass a year ago last fall, were reviewed by Tyson. Both were given identical watering and feedings. One was cut at ½ in. the other at 2 in. The low-cut plot became hard and weedy; the longer cut turf was heavier, remained soft and weed free, but required more frequent cutting.

For fairway purposes, however, Tyson suggested the 1½ in. cut, as most practical from standpoint of play and healthy growth through periods when regular feeding schedules no longer could be followed. As the grass blade serves as the manufacturing plant, the longer the blade the bigger the production. While the longer blade increases turf growth and necessitates more frequent mowing it has its advantages in developing thicker turf, retarding weeds, and furnishing a softer tread for the players. Thus, greenkeepers must strike a satisfactory balance between labor shortage and what is best for the turf.

Use Clippings for Compost

To help overcome fertilizer shortage, Tyson reminded his audience that decayed grass clippings, mixed with soil, could be utilized as a valuable source of turf food. His method is to alternate a layer of clippings with a layer of soil and let the clippings rot right with the soil; then run through compost machine. The clippings contain approximately 20 per cent nitrogen.

On the subject of watering, Tyson suggested an average of 1 in. per week as adequate for average soil, both for bluegrass and bent. His plots are watering during the day, whereas most courses prefer night watering as a matter of convenience to players and work crews. Less frequent slow but thorough watering, he has found, gives most efficient and economical results. Asked how often bent greens should be cut in cases where war conditions necessitated closing the course

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Detroit Free Press.

for play, but greens and fairway turf is to be preserved, Tyson advised against letting bent go to seed before cutting as bent does not seed in keeping with its strain. Thus, when a green which had been permitted to seed is brought back, it will be quilted and uncertain in playing quality.

Pix to USGA Museum.—Over 30,000 photographs from the morgues of GOLF-DOM and GOLFING magazines, and from the defunct "Golf Illustrated" and "American Golfer" magazines, have been presented to the USGA museum by GOLF-DOM and GOLFING and Robert E. Harlow. The photographic files are of comprehensive historical value and concern golf in all parts of the world.

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Call Off GSA Meeting.—The annual meeting of the Greenkeeping Superintendents Association, scheduled to convene at Akron, Ohio, this month, has been canceled, in view of the transportation situation.

Foreign Course Scenes Wanted.—If you have photographs or other illustrations of golf courses in enemy or occupied countries, the United States government would like to get this material. Some illustrations picked up by golfers on their travels abroad already have been contributed.

Should you have some of this material, write to Office of Strategic Services, Station G, Box 46, New York, N. Y., describing the views shown. They will advise you if they would like the photos sent on.

CMAA Cancels '43 Convention.—Board of Directors of the Club Managers Ass'n of America has notified its members that the 1943 meeting, scheduled for Omaha, will not be held.

THE CLEARING HOUSE

For years, these small classified advertisements in GOLF-DOM have been productive. Now, under war conditions, they are even more effective for courses and clubs needing experienced employees or second hand equipment; able pros, greenkeepers, and managers in search of employment; selling or leasing semi-public layouts; etc.

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Golfdom

The Business Journal of Golf



FEBRUARY, 1943

VOLUME 17, NO. 2



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