RAIN-GAUGE

It has often been the desire of the golf course superintendent to obtain a cheap, easy, and accurate method for measuring the exact precipitation in inches per hour from a sprinkler. The following method fulfills this desire.

MATERIALS REQUIRED

a - A number of No. 2 cans, or any similar type of circular container which has a diameter of 3¼ inches. No. 2 cans are commonly used at grocery stores for peas, beans, tomatoes, etc.

b - One glass, or plastic, tube graduated in cubic centimeters (cc's) this tube costs about $1.00 and can be purchased at most drug stores or surgical supply stores.

METHOD TO EMPLOY

1 - Place the sprinkler in its desired position.

2 - Use as many No. 2 cans as are required to extend from the sprinkler to the outer edge of the sprinkler coverage, place them approximately in a straight line and at 5 ft. intervals.

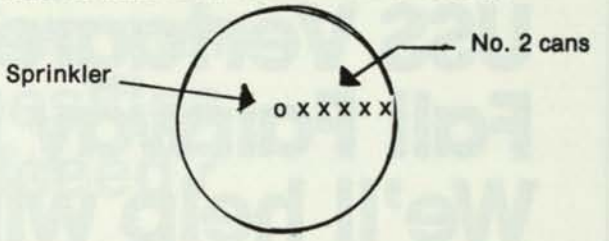
3 - Set the sprinkler in operation and run it for **EXACTLY 44 MINUTES.**

4 - Shut off the sprinkler and pour the contents of any single can into the cc tube, a reading in cubic centimeters will be obtained, but each cubic centimeter will equal 0.01 inches (1/100 inch) of sprinkler precipitation **PER HOUR.**

EXAMPLE

If a reading of 37 cubic centimeters is obtained from a single No. 2 can after the sprinkler has been running for **44 MINUTES** then the area in which that can is located will receive exactly 37/100 inches of precipitation after the sprinkler runs for **ONE HOUR.**

By plotting the recipitation from each can on graph paper a true sprinkler precipitation curve can be obtained. The above test should be conducted when there is no water distortion from wind velocity.



Charles E. [Scotty] Stewart

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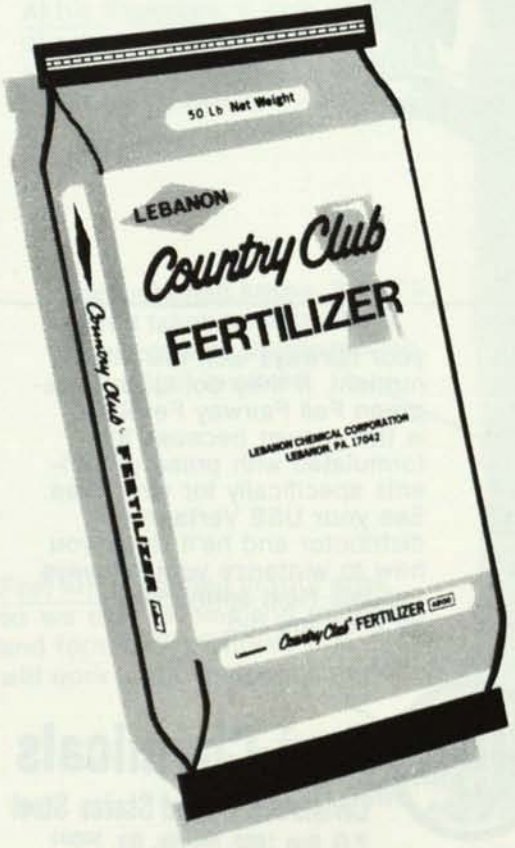

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