



**ILLINOIS TURFGRASS FOUNDATION'S BOOTH
At World Flower & Garden Show**

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

(Continued on next page)

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MATERIALS REQUIRED

a—A number of No. 2 cans, or any similar type of container which has a diameter of 3 1/4". No. 2 cans are commonly used at grocery stores to contain peas, beans, tomatoes, etc.

b—One glass or plastic cubic centimeter tube, this graduated cc tube costs about \$1.00 and may be purchased at most drug stores or surgical supply store.

METHOD TO EMPLOY

- 1—Place the sprinkler in its desired position.
- 2—Use as many of the No. 2 cans as are required to extend from the sprinkler in a straight line to the outer edge of the sprinkler coverage and at 2 to 5 feet intervals apart.
- 3—Set the sprinkler in operation and RUN EXACTLY 44 MINUTES.
- 4—Shut off the sprinkler and pour the contents of any No. 2 can into the cc tube, a reading in centimeters will be obtained but each cubic centimeter will equal exactly 0.01 inches or (1/100th inch) of sprinkler precipitation PER HOUR.

EXAMPLE:

If a reading of 37 cubic centimeters is obtained from a can after the sprinkler has been running exactly **44 minutes**, the sprinkler will, on the area where the can was located, precipitate 0.37 inches **per hour**.

By plotting the precipitation from each can on graph paper a true sprinkler precipitation curve may be obtained. The above test should be conducted where there is water distortion by wind velocity as well as a test with **No Wind**.

(Continued next month)

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