

Generous use of nitrogen on Bermuda in early fall should be avoided, for residual nitrogen in the soil may force the new seedlings. This danger can be overcome by having the Bermuda just a little nitrogen-hungry at the time of seeding.

Water plays a very important role in its effect upon amount and character of growth. In the presence of a limited moisture supply, growth is restricted and tissues become harder. Where water is plentiful, rapid growth occurs and plant tissues are softer. These effects are often overlooked, and the possibilities of influencing the amount and character of growth by partial control of the water supply seldom considered.

Proportionately more water is used on Bermuda greens than is customary on bent greens in the North. This is, undoubtedly, sound practice, provided excesses which saturate the soil are avoided, because it encourages more active vegetative growth. On winter grass a minimum of water, just sufficient to satisfy growth requirements, will tend to produce stronger turf.

### This Program Succeeded in 1930

For those who desire a concrete example, the program followed by several greenkeepers in Florida last fall may be of interest. Whether it deserves general adoption and will prove equally successful during a severe season remains to be seen.

Fertilizer applications consisted of 2 to 4 lbs. of 45 per cent superphosphate (4 to 10 lbs. of 16 or 20 per cent phosphate) and 2 to 3 lbs. of 50 per cent muriate of potash per 1,000 sq. ft. of surface. Applications were made 7 to 10 days prior to seeding to avoid all danger of retarding germination, or injury to the young seedling. No nitrogen was used, and fall feeding of Bermuda was previously curtailed.

After seeding, the greens were top-dressed with a soil devoid of plant food. It consisted of a mixture of marl and sand in proportions such as to make a good sandy loam. Humus, muck, peat, and rich compost were purposely omitted from this one topdressing mixture. Watering was watched closely. Just enough to permit growth was supplied, and excesses avoided. An excellent stand of grass was obtained, and nitrogen feeding was not started until a good root system had developed. Nitrogen feeding was continued during the playing season, frequency and rate of application depended upon turf condition, using color, amount of growth, and sturdiness as a guide.

## Chicago Managers Beat Detroit in Annual Tourney

**S**IXTEEN members of the Detroit Club Managers' Association traveled to Chicago on September 28th to compete against fellow managers of the Chicago district in their annual golf meet. Competition was for the honor of inscribing one or the other association's name on a new trophy, donated by Wm. A. Stewart; for permanent possession, the trophy must be won three times. Chicago was victor this year.

After an early morning breakfast at South Shore C. C., activities were transferred to Midlothian C. C., where Harry E. Krueger, manager, did his stuff as host. The afternoon was given over to the golf tournament and the early evening found the managers very busy getting in condition for the excellent steak dinner Krueger served. And to top off the day and make it a perfect one, Frank Murray, manager of Ravisloe C. C. and secretary-treasurer of the Chicago managers' organization, exercised excellent judgment as toastmaster by holding down all speeches.

Winners at golf were: low gross, Frank Perkis, Attic club, Chicago, 85; low net, Walter Patterson, Detroit Boat club, 102-35-67; low net, Detroit, John Hartley, Franklin Hills C. C., 90-16-74; low net, Chicago, Delmar T. Johnston, 92-17-75; second net, Detroit, Jesse Wetzell, Detroit club, 118-32-76; second net, Chicago, George Billingsley, Lake Shore Athletic club, 93-18-75. Ed. Shaw of Nordic (Chicago) won the blind bogey event, John Ingleson of Gowanie (Detroit) placing second.

## New York Has Team Event That's Worth Copying

**P**ROGRESS IN promoting understanding and harmony between golf club department heads shines forth brightly in an announcement from the Metropolitan Club Managers' association. President Bill Norcross of the managers' organization in the New York City district and President John Inglis of the Metropolitan district P. G. A., collaborated in arranging a Manager-Pro golf tournament which was held at Inglis' establishment, the Old C. C., at Flushing. Each pro and manager was invited to bring his own club team-mate. The event was well attended and helped bring these department heads together on a thoroughly good basis for their clubs' benefit.