

# THE BULLETIN

of the

## UNITED STATES GOLF ASSOCIATION GREEN SECTION

PUBLISHED BY THE U. S. GOLF ASSOCIATION GREEN SECTION AT ROOM 7207,  
BLDG. F, 7TH AND B STS. N. W., WASHINGTON, D. C.

Entered as second-class matter April 21, 1926, at the post office at Washington, D. C., under Act of March 3, 1879  
EDITORIAL OFFICES: P. O. Box 313, PENNSYLVANIA AVENUE STATION, WASHINGTON, D. C.

---

WASHINGTON, D. C., JANUARY, 1931 (SUPPLEMENT)

---

### INDEX TO VOLUME 10 (1930)

- Acidity, soil, pH value as an expression of, 59  
Activated sludge, rate of application for putting greens, 13, 14  
Agricultural research, how it can help, the golfer, 25  
Algae, control of, 13  
Alkalinity, soil, pH value as an expression of, 59  
Ammonium sulphate; rate of application, 13; artificial manure made with, 167  
Analyses, soil, value of, 30  
Annual bluegrass, vitality of seed of, 228  
Annual report of the Green Section for 1929, 3  
Arsenate of lead : earthworm control, 32; grub control, 157, 185; weed control, 98 ; mixing with sulphate of ammonia, 54  
Asiatic beetles, 185  
  
Beetles: Asiatic, 185; Japanese, 23, 116  
Bent grass  
  adaptability-of : dry land, 97; tennis courts, 98; Texas, 97  
  botanical classification and common names of, 44  
  certified, 105, 206, 212  
  Cocoos: see seaside creeping  
  colonial : botany, strains, and common names, 44; seed production, 69, 195, 201, 205, 206, 212  
  creeping: botany, strains, and common names, 44; controlling its tendency to mat, 33; identifying strains of, 51; preventing spongy condition of, 156; seed production, 195, 205, 206  
  Rhode Island: botany of, 44; seed production, 69, 201, 205, 206, 212  
  seaside creeping: adaptability for the West, 157; botany, 44; seed production and certification, 195, 206  
  seed: certification, 195, 206, 212; identification, 39; importations of, 220; production, 69, 195, 201, 205, 206, 212  
  seeding, rate of, 234  
  spongy condition of, 156  
  velvet: botany of, 44; seed production, 201, 205, 212  
Bermuda grass: greens, treatment of, 6, 7, 9, 10; on southern fairways, 5, 11; seed production, 224; selecting strains of, 54  
Bichloride of mercury (corrosive sublimate) : algae control, 13; earthworm control, 32; snow-mold control, 118 ; effect of on spray pumps, 31  
Birds : attracting, 78, 83, 84, 88, 92; as an adjunct to the golf course, 78, 200; at Pine Valley, 83 ; books and pamphlets on, 81; food plants for, 90; golf club as a bird sanctuary, 84; golf courses as bird havens and their improvement for the purpose, 88.; more birds for the golf course, 92; 'motion pictures of golf course birds, 95; sparrows, controlling, 96 ; starlings, controlling, 83  
Blasting stumps, 29  
Bluegrass  
  annual, vitality of seed, 228  
  Canada, importations of seed, 220  
  Kentucky: close cutting of, 233; fertilizing, 14 ; seed production and price, 222; seed harvesting, 229  
  rough-stalked, importations of seed, 220  
  webworm, 115  
Botanical classification of redtop and the common bent grasses, 44  
British Golf Unions' greenkeeping research! 22  
Brown-patch: controlling, 31; effect of height of cutting on control, 156  
Budget, greenkeeper's dwindling, 70  
  
Calomel, effect of on spray pumps, 31  
Canada bluegrass, importations of seed, 220  
Canadian certified bent seed, 212  
Carbon bisulphide in Asiatic beetle control, 185  
Carpet grass: on southern fairways, 5, 11; seed importations, 220; seed production and harvesting, 232  
Cats, trapping, 96  
Certification of bent seed, 195, 206, 212  
Charcoal as top-dressing material, 118  
Charles River Country Club, No. 8 hole, 55  
Chewings' fescue, seed importations, 220  
Chinese-elm, 184  
Classification of redtop and the common bent grasses, 44  
Clay: colloidal nature of, 21; subsoil, 158 ; treatment, 13

- Clover control, 214, 233  
**Cocoos** bent : botany of, 44; controlling its tendency to mat, 33; seed production and certification, 195, 206  
 Collegiate instruction in greenkeeping at state colleges, 102 ; Cornell, 114; Massachusetts, 104; Michigan, 111 ; New Jersey, 109 ; Pennsylvania, 107; Wisconsin, 112  
 Colloidal phosphate as a fertilizer, 27, 34  
 Colloids. soil. 21  
 Colonial bent: botany, strains, common names, 44; seed production, 69, 195, 201, 205, 206, 212  
 Compost: charcoal, 118; function of, 173; tannery refuse, 118; preparation of, 173; sawdust, 118; sterilizing, 150, 172, 173; texture of, 31, 166  
 Cornell University, instruction in greenkeeping, 114  
 Corrosive sublimate (bichloride of mercury) : algae control, 13; earthworm control, 32; snow-mold control, 118; effect of on spray pumps, 31  
 Costs, maintenance, 30, 70  
 Cottonseed meal, rate of application on putting greens, 13, 14  
 Cover crops, 170  
 Creeping bent: botany, strains, and common names, 44; controlling its tendency to mat, 33; identifying strains of, 51 ; preventing spongy condition of, 156; seed production! 195, 205, 206  
 Crested **dog's-tail**, seed importations, 221  
 Crust on greens, 13  
 Cutting : close cutting of bluegrass, 233; effect of height of cutting on disease control, 156; fairways, 214  
 Cutworms, 118  
 Cypress Point Club, 3d hole, 35  
  
 Dandelion control, 33  
 Drainage improvement, 13  
 Drought as affecting cutting of fairways, 214  
  
 Earthworm control, 32  
 Elm (Chinese) for the Plains states, 184  
 Equipment, moving, 24  
  
 Fairways : bluegrass, fertilizing, 14 ; cutting, 214; dandelions in, 33 ; renovating, 72 ; southern, grasses for, 5, 11  
 Fertilizers : activated sludge for putting greens, 13, 14; bluegrass, 14; colloidal phosphate, 27, 34; cottonseed meal for putting greens, 13, 14 ; distributing, 66; excessive application, 71 ; fairway, 14; formulas, meaning of, 74; green-manure crops, 170; manure, artificial, 167; mixing with arsenate of lead, 54; poultry manure, 13, 14, 34; putting green, 13, 14; sulphate of ammonia, 13, 167; weeds as affected by, 152  
 Fescue : seed identification, 39; seed importations, 220  
 Field mice control, 33  
 Fireflies, theory of their flashing in unison, 204  
 Foxtail grasses, common wild, 62  
  
 Great Britain, greenkeeping research in, 22  
 Green Section: annual meeting, January, 1930, 2; annual report for 1929, 3  
 Greenkeepers : dwindling budget, 70 ; instruction at state colleges, 102, 104, 107, 109, 111. 112. 114  
 Green-manure crops, 170  
 Greens: crust on, 13; fertilizing, 13 ; planting with seed as compared with planting with stolons, 158; southern for winter, 6, 7, 10; spring treatment, 12; top-dressing, 14, 173 ; weed control, 142 ; winter covering in the North, 117  
 Grubs, 157, 185  
  
 Harvesting grass seed: bent grass, 194, 201, 205, 206, 212; Bermuda grass, 224; carpet grass, 232; Kentucky bluegrass, 229 ; **redtop**, 225  
  
 Identifying: strains of creeping bent, 51; turf grass seed, 39  
 Insects : bluegrass webworm, 115 ; cutworm, 118; grubs, 157, 185  
 Instruction in greenkeeping at state colleges, 102, 104, 107, 109, 111, 112, 114  
 Italian rye grass seed importations, 221  
  
 Japanese beetle : quarantine, 23 ; spread of, 116  
  
 Kentucky bluegrass: close cutting of, 233; fertilizing, 14; seed production and price, 222; seed ha-vesting, 229  
 Korean golf turf, 178  
  
 Landscaping, 67, 122, 124, 128, 133, 136  
 Lead arsenate : earthworm control, 32; grub control, 157, 185 ; weed control, 98; mixing with sulphate of ammonia, 54  
 Leaf spot, effect of height of cutting on control of, 156  
 Lime, value and use of, 14  
 Long Vue Club, landscaping at, 133  
 Los Angeles Country Club, 4th hole, 191  
  
 Maintenance costs, 30, 70  
 Manure : artificial, 168 ; green-manure crops, 170; poultry, 13, 14, 34  
 Massachusetts Agricultural College, instruction at, 104  
 Meetings, Green Section: annual, January, 1930, 2; summer, 2, 38  
 Mercury compounds (corrosive sublimate and calomel) : algae control, 13; earthworm control, 32; snow-mold control, 118; effect of on spray pumps, 31  
 Merion Cricket Club, No. 1 hole, 75  
 Michigan State College of Agriculture, instruction at, 111  
 Mill Road Farm Golf Course, transplanting trees at, 136  
 Milorganite (activated sludge), rate of application for putting greens, 13, 14  
 Mole cricket control, 7, 11, 74  
 Moles, 69  
 Mosquito extermination, 18  
 Moss control, 157

- Motion pictures of golf course birds, 95  
 Mowers, power, moving, 24  
 Mowing: close cutting of bluegrass, 233; effect of height of cutting on disease control, 156; fairways, 214  
 Mowrah meal in earthworm control, 32
- National Golf Links of America, 6th hole, 215  
 New Jersey State University, instruction at, 109  
 Nut grass, 9
- Oregon bent grass seed certification, 195; production, 206  
 Orient, turf grass in, 178  
 Ornamental plantings, 67, 122, 124, 128, 133, 136
- Palm Beach Country Club, a view on, 15  
 Patents, plant, 183  
 Peat deposits, utilization of 73  
 Pennsylvania State College, 'instruction at, 107  
 Perennial rye grass seed importations, 221  
 Perennials, herbaceous, beautifying the golf course with, 67, 122, 124, 128, 133  
 pH value as an expression of acidity or alkalinity of soil, 59  
 Phosphate, colloidal, as a fertilizer, 27, 34  
 Pine Valley Golf Course: 18th hole, 235; wild life at, 83  
 Plant patents, 183  
 Plants : perennial for beautifying the golf course, 67, 122, 124, 128, 133; food plants for birds, 90  
 Poa annua (annual bluegrass), vitality of seed, 2 2 8  
 Poa trivialis (rough-stalked bluegrass) seed importations, 220  
 Poultry manure, 13, 14, 34  
 Putting greens: crust on, 13; fertilizing, 13; planting with seed as compared with planting\* with stolons, 158 ; southern for winter, 6, 7, 10 ; spring treatment, 12; top-dressing, 14, 173; weed control, 142; winter covering in the North, 117
- Rats in drainage lines, 33  
 Redtop: botanical classification, 44 ; seed identification, 39 ; seed importations, 220 ; seed production and price, 222; seed production in Illinois, 225  
 Research: how agricultural can help the golfer, 25; in British Isles, 22  
 Rhode Island bent (colonial bent) : botanical classification; 44 ; seed production, 69, 201, 205, 206, 212  
 Roller, average weight of, 50  
 Rolling Green Golf Club, 16th hole, 119  
 Rough-stalked bluegrass seed importations, 220  
 Ryr grass seed importations, 221
- Sand, use of in top-dressing, 41, 162  
 Sandy soils, treatment of, 73  
 Sawdust as top-dressing material, 118  
 Searching in the Orient for new turf grasses, 178  
 Seaside creeping bent: adaptability for Omaha, 157; botanical classification, 44; seed production and certification, 195, 206
- Seed: bent seed production and certification, 69, 195, 201, 205, 206, 212; identifying, 39; importations, 220; sources of golf course grass seeds, 218; viability, 103, 228  
 Seeding: compared with planting with stolons, 158; bent, rate of, 234  
 Seminole Golf Club, 5th hole, 175  
 Sludge for fertilizing putting greens, 13, 14  
 Snow-mold, 117  
 Soil: acidity and alkalinity, pH value as expression of, 59 ; analyses, value of, 30; bed, making compost in, 169; colloids, 21; sandy, treatment of, 73 ; scientific methods applied to the care of, 231 ; sterilizing, 150, 172, 173; water-holding capacity of, 21  
 Spongy condition of turf, 156  
 Spray pumps, effect of mercury compounds on, 31  
 Spring treatment of putting turf, 12  
 Sterilizing soil and compost, 150, 172, 173  
 Stolon planting compared with seeding, 158  
 Stumps, blasting, 29  
 Sulphate of ammonia : rate of application, 13; artificial manure made with, 167  
 Sweet vernal grass seed importations, 221
- Tanbark and tannery refuse as top-dressing material, 32, 118.  
 Tennis courts, turf for, 98  
 Texas, adaptability for bent grass, 97  
 Top soil, weedless, 145  
 Top-dressing : materials for and rate of application, 14; preparation, 162 ; sterilizing for weed control, 150, 172, 173; texture, 31 ; utilization of peat, 73  
 Trees : Chinese elm for the Plains states, 184; landscaping use of, 67, 122, 124, 128, 133; transplanting at Mill Road Farm Golf Course, 136  
 Truck, low-platform, for moving equipment, 24
- Velvet bent : botanical classification and strains, 44; seed production, 201, 205, 212
- Wasps, digger, 228  
 Water-holding capacity of soils, 21  
 Webworm, 115  
 Weeds : arsenate of lead as a control, 98; clover, 214, 233 ; dandelions, 33; fertilizers as affecting, 152; nut grass, 9; putting greens, control in, 142; seeds, vitality of, 228; sterilizing soil and compost for controlling, 150, 172, 173  
 Whippoorwill Country Club, 13th hole, 159  
 Wild life at Pine Valle, 83  
 Winter: cove-ing of putting greens in the North, 117; greens in the South, 6, 7, 10; injury of in the North, 117; short courses of instruction, 102, 104, 107, 109, 111, 112, 114  
 Wisconsin University, short course of instruction, 112  
 Wood meadow grass seed importations, 220
- Yarrow seed importations, 221  
 Zoysia grass in Korea, 178

## AUTHORS' INDEX

- Allen, Arthur A. Golf club as a bird sanctuary, 84
- Burlison, W. L. Redtop seed production in Illinois, 225
- Clark, S. P. How Bermuda grass seed is secured, 224  
Curtis, Ralph W. Instruction in greenkeeping at Cornell University, **114**
- DeParlier, M. L. Treatment of soil by sterilization, 173  
Dickinson, Lawrence S. Winter school for greenkeepers at Massachusetts Agricultural College, **104**  
Dodson, W. R. Carpet grass seed production, 232
- Edler, G. C. Bent seed production in Germany, 205  
Evans, Morgan W. Common wild foxtail grasses, 62
- Fergus, E. N. Harvesting Kentucky bluegrass seed, 229
- Hillman, F. H. Identifying turf-grass seed, 39  
Hinman, Thomas P. Some turf problems of the South, 7  
Hyslop, G. R. Oregon bent grass seed certification, 195
- Jones, R. Avery The greenkeeper's dwindling budget, 70
- Kellerman, K. F. Bent seed production in Rhode Island, 69  
How agricultural research can help the golfer, 25
- Lee, Cornelius S. Two serious problems on southern courses, 10  
LeLacheur, G. Canadian certified bent seed, 212
- McAtee, W. L. Golf courses as bird havens and their improvement for this purpose, 88  
MacCloskey, J. E. What a landscape committee accomplished, 133  
Millar, C. E. Studies in greenkeeping at Michigan State College of Agriculture, 111  
Mitchell, Horace More birds for the golf course, 92  
Monteith, John, Jr. Classification of redtop and the common bent grasses, 44  
Controlling putting green weeds, 142  
Moore, James G. Short course of instruction for greenkeepers at University of Wisconsin, 112  
Mulford, Furman Lloyd Ornamental plantings on golf grounds, 124
- Odland, T. E. Bent grass seed production in Rhode Island, 201
- Painter, Jay C. A new elm for the Plains states, 184  
Parrish, Morris L. Wild life at Pine Valley, 83  
Pieper, J. J. Redtop seed production in Illinois, 225
- Schoth, H. A. Bent grass seed production in the Pacific Northwest, 206  
Snyder, E. F. The pH value as an expression of the acidity or alkalinity of soil, 59  
Sprague, Howard B. Greenkeeping instruction at State University of New Jersey, 109
- Thurston, H. W., Jr. Special instruction for greenkeepers at Pennsylvania State College, **107**  
Tomlinson, A. H. Beautification of golf courses, 128  
Tregillus, C. A. Transplanting trees at Mill Road Farm Golf Course, **136**
- Vanderpool, W. D. Annual report of the Green Section for 1929, 3
- Welton, Kenneth Low platform truck and loading device for golf course equipment, 24  
Preparation of compost, 162  
White, Robert Carpet grass for southern fairways, 5