TURF NOTES BY DON SMITH, PH. D.

1. Turf

   A. Basic Botany
      a. Leaves
      b. Roots
      c. Stems
      d. Photosynthesis
      e. Food transport and supplies Xylem and Phloem
      f. Compensation point
      g. Seasonal issues
      h. Annuals and perennials, winter annuals, biennials

   B. Bermuda grass or St. Augustine?

   C. Spring awakening of your lawn: choices early or late?
      a. Do not fertilize early
      b. Scalp- lower mower as low as possible to remove all dead tissue.
         Warms up faster
         Greens up faster
         Start mowing sooner
         Risk of frost damage is high
      b. Do not scalp: Leave it dormant as long as possible
         Looks scruffy
         Cushion of dead grass leaves protect against frost
         Start mowing later- by several weeks

   D. Management
      a. Water
         1. Time of day
         2. How much
         3. How often
         4. Time of the year
      b. Fertilizer
         1. Meaning of numbers on bag, kinds of fertilizer
         2. Equipment
a. Gravity box
b. Centrifugal disk under bucket

3. Application amounts
   a. a. pounds of N per 1000 square feet
   b. pounds of product per 1000 sq. ft.

4. Selecting fertilizer

5. How much and how often? Lush Lawn 6lb N/ year
   applied at 2lb, 1.5 lb 1.5 lb 1 lb at 6-wk intervals. Or apply
   once or twice a year if use mulching mower.

6. When to apply first-wait until May
   Too early-fungi grow

7. When and why to stop- September

8. Water 10 min just after application to wash fertilizer
   into soil

c. Mowing
   1. Mowing height St. A. 2.5-3.0 inches, Bermuda 2.0-2.5.
      a. Compensation point St. A 2.25-3.0, Bermuda 1.75-2.0
      b. Regular height
      c. Seasonal adjustments to mowing height

2. Equipment
   a. Sharp blade
   b. Mulching mower
   c. Safety concerns

3. Frequency

4. Special notes

C. Establishment
   1. Tillage
   2. Fertilizer
   3. Finish work
   4. Water
   5. Special notes
   6. Sod
2. Sally Wosowski
   A. Ground covers
   B. Shade vs. open Sun

3. Shrubs
   A. Transplanting
      1. distance between
      2. Size and shape vs location
   B. Pruning-Shrubs very different from trees
   C. Selection
      1. Flowering
      2. Variegated
      3. Green
      4. Shape and Texture

4. Pests and pesticides
   A. common problems
      i. Insects
      ii. Diseases
      iii. Weeds
      iv. Animals that dig.
   B. Safe use of pesticides.

4. Houseplants
   A. Water: frequency and amount
   B. Fertilizer
   C. Light

5. Gardening

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Updated 2-19-15
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