Sports Field Maintenance

Schaumburg Park District

8/1/2005
New Field Construction

- Layout
- Grading & Drainage
- Surface drainage
- Subsurface drainage
- Soil Amendments
- Irrigation
- Seeding
GRADING AND DRAINAGE
ATHLETIC FIELD LIGHTING
ATHLETIC FIELD IRRIGATION
Accessibility
Softball/Baseball Maintenance

- Drainage
- Lip Maintenance
- Topdressing
- Dragging
- Moisture Control
- Mounds & Batters boxes
Drainage

- Surface Drainage
- Setting the grade
- Keeping the grade
Lip Maintenance

- Sweeping
- Backpack Blowers
- Hosing
Topdressing

- Calcine clay
- Infield mixes
Spiking & Dragging

- Moist Infield mix
- Stay 6 to 12” from edges
- Speed control
Moisture control
Mounds & Batters boxes

- Bricks
- Mound Clay
- Mats
Soccer and Football Fields
Controlling Traffic

- Rotate play
- Movable goals, benches and bleachers
Mowing

- Heights
- 1/3 Rule
- Frequency
Aerifying

- Types
- Depth
- Coverage
- Frequency
Irrigation

- New seeding
- Established turf
- Night watering
- Frequency
Fertilization

- When
- How much
- Types
  - Quick release
  - Slow release
## Nitrogen forms in turf fertilizers

- Quick Release
- Urea
- Ammonia Types
- Ammonium Nitrate
- Slow Release
- Sulfer coated Urea (SCU)
- Polymer Coated Urea
## Soccer field fertilization program

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Overseeding

- Kentucky Bluegrass
- Perennial Ryegrass
- Phosphorus
- Timing
Pest Control

- Seeding vs Herbicide use
- Diseases
- Insects
Topdressing

- Filling Holes
- Leveling playing surface
- Seeding
Alternatives for turf

- New construction
- Calcine clay in root zone mix
- Seed mixtures
Alternatives for field renovation & construction

- Synthetic fields
- Base Installation
  - 8 to 10" stone base
- 15’ x 20’ sections
  - Sewn together on site
  - Filled with rubber or sand
Synthetic fields
Other alternatives for synthetic turf

- Goal mouth areas on Soccer fields
- Tees on golf courses
Equipment

- Seeda-vator