



2015

International
Year of Soils



June ...

Soils support recreation



Issues:

Soils Support Outdoor recreation:

- A walk in the woods
- A day at the beach
- Hiking
- Camping
- Painting
- Birdwatching
- Trail bike riding



Good Sports need Good Soils:

- Soccer
- Golf
- Horse Racing
- Baseball
- Football
- Dirt Track car racing
- Moto-cross and BMX



Clean Water comes from the Soil:

- Fishing
- Canoeing
- Swimming
- Boating



Science:

Getting the Soil Right matters:

- Athlete's Performance
- Speed
- Maneuverability
- Safety of the athlete
- Durability of the sports field/track
- Management/ maintenance costs
- Water holding capacity
- Resiliency of turf



Creating the Right Soil:

Churchill Downs Main Track recipe:

- 3 inches sandy loam cushion
- 5 inches sandy loam compacted
- 12 inches clay base
- 24.5 inches sandy loam/natural soil



Understanding texture:

A baseball diamond requires 4 different soil types

Maintaining Soil for Recreation:

- Avoid compaction
- How to mitigate compaction
- Use of amendments to protect and improve soil quality
- Understanding impacts of disturbance
- Understanding limitations to use



People:



Resources:

Treadlightly.org/

Sport Fields: a Manual for Design, Construction and Maintenance by Jim Pulhalla, Jeff Krans, and Mike Goatley

<http://www.ultimate-baseball-field-renovation-guide.com/>

#IYS2015