

Root Growth

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tion in root growth. This relationship between water supply and root growth suggests that the turf manager would be advised to allow the root zone to dry to near the wilting condition before irrigation. Water budget systems for scheduling irrigation can prevent over irrigation while giving guidance for when wilting may occur.

The rhizomatous Kentucky bluegrass has a more rapid recuperative potential than most other cool season grasses following a period of moisture or heat stress.

Longevity

The longevity of root life varies with species from less than six months to a maximum of two years. Kentucky bluegrass tends to retain its root system for more than one year, whereas perennial ryegrass, the fescues and the bentgrasses will replace their root system at least once each year. Roots originating in the fall live longer than roots initiated in the spring. Roots associated with flowering tillers usually die shortly after seed set. Rhizome and root initiation stops within 24 hours after severe defoliation and does not become significant until shoot growth recovery is well advanced.

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January 7, 8, 9, 1997

Ontario Turfgrass Symposium

Venue: Constellation Hotel,
Toronto

Contact: Office of Open
Learning,

Room 160, Johnston Hall,

University of Guelph,

Guelph, ON.

(519) 767-5000

February 7 and 8, 1997

Niagara Parks Alumni Assoc.

Educational Conference,

Venue: Ameri-Can

Conference Centre,

Contact: Michael Scmahl

(905) 687-3307

or

Russ Nutley,

(905) 627-3783

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