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The day of grass education was organized by Blue Jays fan Rose Marie Branson who says she's tired of living in a plastic world. The Toronto Star sponsored the seminar.

Besides Watson, Dr. Bill Daniel, inventor of the Prescription Athletic Turf system and Steve Wightman, field manager at Denver's Mile High Stadium, which uses a PAT system, addressed the crowd of about 100.

The Toronto dome stadium will be built with a retractable dome. Daniel suggested leaving the stadium open most of the time, closing it only to protect people. Daniel says the underground pumps in the PAT system would help the turf to survive indoors.

"We're making a living area for roots," Daniel says. "We now have the technology to manage the root zone."

Watson says that turf variety would depend on what's available in the area, but recommended a fine-leaf tall fescue with a five to 10 percent Kentucky bluegrass.

"The most critical thing is light," Watson says. "You cannot give consideration to grass unless you're prepared to provide light."

Even if the dome is left open most of the time, lights will be necessary for those times when it is closed.

Watson says that 10,000 foot-candles of light are necessary for turf to grow at its full capacity. It can grow, however, with 2,000 foot-candles. He recommends at least 40 to 50 percent of full sunlight capacity.

The lights could be on retractable tracks, although such aspects are engineering considerations.

Heat is another consideration. Watson says roots grow in 55 to 65 degrees, while shoots need temperatures of 75 to 85 degrees.

Dr. Jack Eggen of the University of Guelph in Ontario, Canada says a closed environment may have higher humidity making the turf prone to disease. But weeds, he notes, would probably not be a problem.

Another practical concern, Eggen points out, is an external greenhouse to grow extra sod or store the turf if it's taken out each winter so trade shows can be used in the dome. Another option is to let the turf die and re-sod each winter with new sod. Or, the stadium committee may decide to maintain the turf year-round, with a raised floor for trade shows.

Wightman says that stadiums can be used for multi-purpose events, like rock concerts. He says the use of geotextile materials, such as Warren's TerraCover, to cover the turf before laying down plywood or chairs helps distribute weight, protects the blades, and allows the turf to breathe.

When he used this system for the Bruce Springsteen concert, the turf received little damage.

Mile High Stadium can be converted from football to baseball in 13 ½ hours, says Wightman. This conversion includes completely moving the seats.

"We have overnight versatility and yet we have not sacrificed the safety and playability of the field," Wightman says.

Safety is the prime motivating factor in going with grass. Statistics prove that injuries occur more often on synthetic surfaces.

"Technologically I have no question about our ability to grow grass in a dome stadium," Watson says.