

**PGRs, *Poa* and traffic****Aaron Hathaway and Ronald Calhoun**

As increased green speed becomes a more and more coveted golf course attribute, new ways to achieve these increased speeds are conjured. Decreasing mowing heights, double mowing, rolling, and use of PGRs are often implemented by golf courses to increase green speeds. Often, golf course greens receive monthly or even weekly applications of certain plant growth regulators, namely Primo Maxx, with the intention that green speeds will be increased. As the efficacy of the use of Primo Maxx to increase green speed is not entirely known, treatments of Primo Maxx at various rates and intervals on a creeping bentgrass green began in mid-May. Green speed or ball roll distance was measured with a Stimpmeter five days per week and dry clipping weights were measured two days per week for a four month span. Quality and density were also measured throughout the study.

	Treatment	Rate (oz/M)	<i>Application Interval</i>
1	Control		
2	Primo Maxx	0.1	Weekly
3	Primo Maxx	0.15	Bi-weekly
4	Primo Maxx	0.25	Every 3 weeks
5	Primo Maxx	0.05	Weekly
6	Primo Maxx	0.15, 0.1	Bi-weekly beginning May 11, 2005, weekly at 0.1 beginning on June 20 <sup>th</sup>
7	Primo Maxx	0.1, 0.2	Weekly beginning May 11, 2005, weekly at 0.2 beginning on June 20 <sup>th</sup>

**Study Update:**

In 2003, a putting green was established with plots made up of Bengal, Penn G-2, Providence, and Penncross creeping bentgrass cultivars. These plots were treated with traffic and observed as annual bluegrass encroached and became part of the population. This weed invasion was quantified and compared within cultivars and traffic treatments.