

**Natural Knit® Spreading Perennial Ryegrass vs. “regenerating perennial ryegrass” trial data. Planting Date: 9/4/2010.** Seeding Rate: Natural Knit: 3lbs/1000 ft.<sup>2</sup>, other “regenerating” ryegrass: 7lbs/1000 ft.<sup>2</sup> (advertised recommended seeding rate). Mowing height throughout trial: 2.5 cm. Nitrogen application: 4 lbs/ year. On 3/30/2011, four plugs of turf were removed from one plot each of product tested. Each plug was then planted into the fallow border area next to demonstration plots to allow for standardized mowing and fertilizing throughout the year. On 8/6/2012, the diameter of each plug was measured in two directions after being trimmed around the outside edge to remove any vegetative material that was not rooted. The diameter measurements (widest and narrowest points) from each trimmed plot were averaged and used to calculate total area in cm<sup>2</sup>. Results are listed in the table below.

Product	Rep. #	Transfer Date	Beginning Diameter	Beginning Area cm <sup>2</sup>	Mowing Height	N rate	Trial Measure Date	16 –month Average Diameter	Area cm <sup>2</sup>	16-month Percent Increase in Unit Area
Natural Knit®	1	3/30/2011	4.5 cm	15.9 cm <sup>2</sup>	2.5 cm	4 lb	8/06/2012	31 cm	733 cm <sup>2</sup>	4,610%
	2	3/30/2011	4.5 cm	15.9 cm <sup>2</sup>	2.5 cm	4 lb	8/06/2012	30 cm	707 cm <sup>2</sup>	4,450%
	3	3/30/2011	4.5 cm	15.9 cm <sup>2</sup>	2.5 cm	4 lb	8/06/2012	35 cm	962 cm <sup>2</sup>	6,050%
	4	3/30/2011	4.5 cm	15.9 cm <sup>2</sup>	2.5 cm	4 lb	8/06/2012	30 cm	707 cm <sup>2</sup>	4,450%
Avg.			<b>15.9 cm<sup>2</sup></b>				<b>31.5 cm</b>	<b>777 cm<sup>2</sup></b>	<b>4,890%</b>	
“Regenerating”	1	3/30/2011	4.5 cm	15.9 cm <sup>2</sup>	2.5 cm	4 lb	8/06/2012	21 cm	336 cm <sup>2</sup>	2,110%
	2	3/30/2011	4.5 cm	15.9 cm <sup>2</sup>	2.5 cm	4 lb	8/06/2012	24 cm	460 cm <sup>2</sup>	2,890%
	3	3/30/2011	4.5 cm	15.9 cm <sup>2</sup>	2.5 cm	4 lb	8/06/2012	25 cm	472 cm <sup>2</sup>	2,970%
	4	3/30/2011	4.5 cm	15.9 cm <sup>2</sup>	2.5 cm	4 lb	8/06/2012	25 cm	472 cm <sup>2</sup>	2,970%
Avg.			<b>15.9 cm<sup>2</sup></b>				<b>23.75 cm</b>	<b>435 cm<sup>2</sup></b>	<b>2,740%</b>	

**Natural Knit® Spreading Perennial Ryegrass vs. “Regenerating Perennial Ryegrass” trial data. Planting Date: 9/4/2010.**  
Seeding Rate: Natural Knit: 3lbs/1000 ft.<sup>2</sup>, other “Regenerating” ryegrass: 7lbs/1000 ft.<sup>2</sup> (advertised recommended seeding rate). Mowing height throughout trial: 2.5 cm. Nitrogen application: 4 lbs/ year. On 8/6/2012, three replications of four inch diameter turf samples were removed from each test plot using a golf cup cutter. Live tillers for each sample were then counted, averaged and extrapolated to live tillers per square foot of turf area. Results are listed in the table below.

### **Live tillers per square foot of turf area**

<b>Product</b>	<b>Replication 1</b>	<b>Replication 2</b>	<b>Replication 3</b>	<b>Average</b>
Natural Knit®	9,631	9,699	9,527	<b>9,619</b>
“Regenerating” ryegrass	3,153	3,199	3,222	<b>3,191</b>

**As indicated by the above data, Natural Knit® Spreading Perennial Ryegrass produces up to 3x the amount of live tillers per unit area over the competitor’s “regenerating” perennial ryegrass using less than half the seeding rate. This translates to much greater turf density over the same time-frame while using less seed.**