

## Golf Stop 4 - Part I

### Chemical Control Of *Poa annua* With A Plant Growth Regulator

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The selective control of *Poa annua* in mixed stands of creeping bentgrass has been sought after for many years. A new experimental plant growth regulator, ABS Exp406, has shown potential to have a higher degree of activity on *Poa annua* when compared with creeping bentgrass. This study began in the beginning of the summer of 1995. Data from last years study indicated that this PGR may exhibit some selective control of *Poa annua*. The study is comprised of three treatments; two PGR rates, and a control treatment. Each plot has two cores of *Poa annua* that were placed into a recently established bentgrass green area. The treatments were applied and the cores monitored for phytotoxicity and invasion of the core by bentgrass. The bentgrass area of each plot is monitored and data collected on phytotoxicity (blueing, PGR effects), and the amount of invasion of the cores by the *Poa annua*. This product, while experimental, may have the potential to help convert creeping bentgrass/*Poa annua* putting greens into predominantly creeping bentgrass stands while causing little or no detrimental effect.

#### Plot Map

ABS Exp406 (0.5 oz/1000)	Control	ABS Exp406 (0.25 oz/1000)
Control	ABS Exp406 (0.5oz/1000)	Control
ABS Exp406 (0.25 oz/1000)	ABS Exp406 (0.25 oz/1000)	ABS Exp406 (0.5 oz/1000)