

EDUCATION REVIEW

Charles Anfield, CGCS, *Heritage Bluffs Golf Course*



April Meeting

The April MAGCS Meeting was held at (this time a dry) Naperville Country Club. Tim Anderson, CGCS, MG and Steven Biehl were the hosts. Brad Marks, Class E MAGCS Member of Sepro Corporation made his presentation "Plant Growth Regulators 101".

There are two kinds of type II growth regulators, Class A and Class B. An example of a Class A PGR (plant growth regulator) is trinexepac-ethyl. A common name or example of a product of trinexepac-ethyl is **Primo** PGR. Trinexepac-ethyl is foliar absorbed. Typical results of applications of trinexepac-ethyl to turf will result in: increased turf quality, reduced clipping yield over a mixed stand and no *Poa annua* suppression. The other class of PGR is Class B. Examples are: paclobutrazol (**Trimmit**) and flurprimidol (**Cutlass**). Typical results of applications of Class B PGR's are: reduced clipping yield, *Poa annua* suppression and bentgrass regulation. Caution must be used with Class B PGR applications because there may be phytotoxic results to bluegrass and ryegrass with higher rates. Class B PGR's have no effect on seed germination.

Some beneficial results have been achieved with combining Class A and B in tank mixes. A more level and consistent regulation can be achieved without phytotoxicity or turf injury. The best of both classes can be achieved when mixed. Half rates of each is a good place to start. Brad recommends you do your own trials to see what works best on the course you manage.

Brad concluded by showing some slides of *Poa annua* conversion trials conducted in Kentucky using Class B products. He fielded questions from the audience regarding details of PGRs use. **-OC**



Brad Marks