

NEW INNOVATIONS WITH FLURPRIMIDOL USE ON TURFGRASS, CONTAINERIZED ORNAMENTALS, AND LANDSCAPE ORNAMENTALS.

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Flurprimidol is a nitrogen-containing heterocycle Type II, class B plant growth regulator (PGR) in the pyrimidine class of chemistry. Specifically, flurprimidol inhibits the enzyme cytochrome P₄₅₀ monooxygenase, blocking the formation of *ent*-kaurenoic acid, a precursor to active GA's. PGRs with similar chemistries and modes of action include: ancymidol and the triazoles, paclobutrazol and uniconazole. Registered uses for flurprimidol in the US include turfgrass and established landscape ornamentals. Registration is pending for flurprimidol application to containerized ornamentals. Extensive research trials have been performed in these use site-types to evaluate plant responses to flurprimidol. Discussions will include: lateral recovery of turfgrass following flurprimidol applications, height control and plant site of flurprimidol uptake with various containerized ornamentals, and flurprimidol activity on established landscape woody ornamentals.