Controlling the growth of containerized herbaceous perennials is challenging due to the large variety of plant materials, which generally have received less attention from breeders than their annual counterparts. More potent compounds have made it possible to economically treat perennials and fueled more research into effective control measures. This talk will summarize the use of the currently available PGRs on a wide variety of perennials, with an emphasis on effective treatments for the most commonly produced plants, along with the results of trials using new products and application methods.