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THE DEVELOPMENT OF PLANT GROWTH REGULATORS FOR
NURSERY AND GREENHOUSE CROPS

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PGRs are an integral part of greenhouse crop production. However, other than rooting hormones the nursery industry has not developed routine usage of other PGRs. This is changing with the use of height-control products in herbaceous perennial production. PGRs are used primarily to prevent or accelerate flowering, to delay flower or leaf senescence and to increase or decrease plant size. The most important chemicals are daminozide, paclobutrazol and ethephon. For chemical companies, supporting a product in this market is difficult due to the extremely large number of crops and varieties and the significance of genotype x chemical and chemical x environmental interactions. Commonly, the growers find new uses for products before the chemical company is aware of them.