

## **Phosphorus Management in Floriculture Production**

The interest in exact phosphorus management is growing. Limiting contamination from excessive phosphorus fertilization and finding the optimal rates necessary to produce compact and healthy plants are essential for the sustainability of greenhouse production. Due to the low phosphorus holding capacity of the soilless substrates used in floriculture production, fertility recommendations must be precisely defined to avoid wasting fertilizer while preventing deficiency symptoms. The results of numerous experiments will be discussed, and phosphorus recommendations will be provided for several different floriculture species. We will discuss some of the ways that phosphorus fertility can be manipulated to regulate plant size, growth habit, and even the leaf coloration. Lastly, we will discuss some of the primary symptoms of phosphorus deficiency, so you can recognize them and adjust your fertilization accordingly. The range between too much and too little phosphorus is a narrow one, so optimal nutrient management will be outlined in this presentation. These recommendations can help you to produce compact, healthy containerized crops while limiting environmental contamination from excess phosphorus fertilization.