

Table 1. Whole plant percent uptake of nutrients which were paired with NanoCharge vs. the same nutrients applied without NanoCharge.

<b>Nutrient</b>	<b>Plant Uptake Percent Increase</b>
<b>N</b>	<b>21%</b>
<b>P</b>	<b>22%</b>
<b>Ca</b>	<b>12%</b>
<b>Mn</b>	<b>10%</b>
<b>Cu</b>	<b>22%</b>
<b>B</b>	<b>19%</b>

After applying, turf samples were analyzed for percent differences between those fertilizers treated with NanoCharge vs. the fertilizer alone. Results showed a significant increase in nitrogen, phosphorus, and calcium uptake in the turfgrass which received NanoCharge in the spray solution (Table 1). These results were the first to quantify the benefits of NanoCharge as a technology for improving nutrient uptake and use efficiencies on turfgrass.