NUTRITION (from page 14)

value of a good potassium level in the soil and plant cannot be over-emphasized.

The relative nutritional needs of the turf plant are easily determined when nutrient solution culture techniques are used. In a University of Florida study, Tifgreen Bermudagrass was fed a solution containing all essential nutrient elements (figure 1). The N-P-K nutrient levels in grass leaf tissue are listed in Table 1.

When nitrogen was withheld from the nutrient solution (figure 2), there was a marked reduction in plant growth as reflected in lower dry weight yield as well as in the nitrogen level of the plant.

The smallest reduction in dry weight yield and in the phosphorus level in tissue occurred when phos-

(continued on page 38)