Evaluation of Seasonal Changes of Nitrogen in Leaves of Two Almond Cultivars (Sefid & Mamaei) Using Statistical Quality Control Methods

Jahangard Mohammadi & Vahid Roohi

Assis. Prof. of Soil Sci. & Instructor of Horticulture, College of Agriculture, Shahre Kord University, Shahre Kord.

Besides soil testing, plant analysis can provide useful information about nutrient status in plants. Leaf analysis of almond trees provides essential and useful knowledge regarding nutrients in plants. Nowadays, there are different methods to process and evaluate plant analysis data.Moreover, optimal nutrient concentration in plants and critical levels which may cause defficiency or toxicity in plants are provided. Thus, the results of plant analysis can be directly compared with these reference values.

Unfortunately, most of these evaluation methods are not based on sound and coherent statistical basis. The major aim of this paper is to explore the capability and usefulness of statistical quality control procedures in evaluation of seasonal changes of nitrogen in leaves of almond. The results show that these methods have potential and capability in processing nurients data in plants.