



Foliar treatments – effect on productivity and plant resistance

VELIKSAR Sofia G., TOMA S. I. - Institute of Plant Physiology AS of Moldova

Foliar fertilization is known to increase yield and quantity of crops if applied correctly. Small amounts of foliar fertilizers often increase yield more than would seem likely from the leafabsorbed nutrients alone. There is probably a synergistic effect on root nutrient absorption. Correct application of foliar sprays could decrease amount of fertilizer that need to be added to the soil, thus decreasing likelihood for salinization problems. It would provide savings to the farmer, promote growth and give better quality crops as well as increase crop yields. The results of many yearsi study of the influence of foliar treatment on the plant productivity and resistance in Moldova are presented in this paper. It is shown that foliar treatment of plants with trace element containing compounds influences the mineral status of plants and some physiological processes. It is an effective technique to improve plant nutrition and important regulator in formation of productivity and plant resistance to the unfavorable conditions of environment.