13.24.12 + 14 (SO3) + Zn

Properties

All of plant nutrients of the five-nutrient sulphur fertilizer produced by Toros Agri are in plant absorbable forms. This fertilizer contains 13% nitrogen (N), 24% phosphorus (as P_2O_5), 12% potassium (K_2O), 14% sulphur (as SO_3), and 1% Zinc (Zn) and in total 64% effective ingredients. With its highest total nutrient content among the fertilizers containing nitrogen-phosphorus-potassium together, this product can be safely used in all soils with lower or middle potassium level. Since the nitrogen form of this fertilizer, which is used as a starter fertilizer, is not nitrate, it does not drain away from soil after rain or irrigation and plants can easily absorb it. Although its sulphur is in form of sulphate (SO_4), due to the obligation of expressing sulphur (S) as SO_3 under the chemical fertilizer regulations that have been prepared according to TSE and CE standards it is indicated as containing 14% of SO_3. In fact, it contains 16.8% SO_4 (sulphate) that is absorbable by plants.

Agricultural use

It can be safely used as starter fertilizer in annual and perennial plants that are cultivated in all soils particularly with insufficient phosphorus and moderate to insufficient nitrogen and potassium. Besides nitrogen, existence of sulphur in this five-nutrient containing fertilizer ensures increments in the yield and protein content of plants. Its potassium content ensures the increase of oil quantity in oil crops and fruit quality in fruit trees. It improves tolerances of vegetables and fruits against cold and drought stresses, diseases and pests.

Application

In the cultivation of plants that are grown from seeds or seedlings, it should be applied to 5-6 cm below seeding or planting deepness. In case of broadcasting, the fertilizer must be incorporated to soil up to 10-12 cm depth. At the end of winter, for perennial plants such as grape, olive, hazelnut, and other fruit trees, it must be applied on a line 2-3 weeks prior to budding within the crown traces and for the plants irrigated using drip irrigation on pipeline sections and then incorporated with soil at such a depth that the roots are not damaged. In our webpage, you may achieve detailed information under title of “Fertilization Recommendations”. In any case, the fertilizer recommendation should be done according to soil analysis and expert interpretations.