

Necessity of changing the fertilizers application management for fruit trees in Iranian orchards

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Due to the preponderance of lime soils in Iran, the necessity of producing fruit compared to world standard of ISO, need of crops to nutrient elements specially microelements and limitation of foreign exchange for purchasing expensive fertilizers such as sequestrene, the necessity of changing fertilizers management is felt more than in previous years.

While the ratio of world consumption of N-P-K is about 100-50-40, this ratio is about 100-90-5 in our country, which is not suitable for optimum fruit production.

Fruit trees need more than 15 mineral elements and are of different quantities, while in our country only 2 elements are mainly used.

In spite of the country's average consumption of fertilizers is less than the world's average, however due to inequitable distribution of fertilizers, some orchards apply too much fertilizers while other apply less. In this paper the necessity of changing the fertilizers application management is reviewed.