



Nutrient Indexing of Apple Orchards using Geo-Spatial Techniques

By Sharma, Rakesh

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Soil and Leaf Nutrient Spatial Variability Approach for Site-Specific Nutrient Management in Apple | Fertilizers being the costliest inputs, the scientific approaches towards precision Horticulture would imply the use of nutrients according to the actual needs of the soil and crop situations. Geo-spatial techniques thus have much to offer for preparing spatial soil and leaf nutrient maps. Nutrient indexing and mapping using such techniques have shown highest spatial variation in soil pH, EC, OC (%) and bio-available N, P, Ca, Mg, Cu, Zn and Mo contents and leaf nutritional status indicated deficiencies of N, K, Ca, Cu, Zn and B in apple orchards. Spatial variability in orchards soil and apple leaf nutrients indicated a strong need for the development of site- specific recommendations to improve and sustain yield as well as quality of apple. Once the maps are created, it is possible to transform the information from Soil Plant Test Crop Response models into spatial fertilizer recommendation maps. The application of fertilizer on the basis of spatial variability maps will not only reduce the cost of inputs for targeted yield(s) but also help in the balanced fertilizer application that will lead to...



READ ONLINE
[4.58 MB]

Reviews

These types of publication is the ideal ebook readily available. It can be loaded with wisdom and knowledge Its been developed in an extremely simple way and it is just following i finished reading through this publication in which actually altered me, affect the way i believe.

-- **Ms. Lura Jenkins**

A must buy book if you need to adding benefit. I actually have read through and so i am certain that i will likely to read through once again once again down the road. I am just quickly could possibly get a delight of looking at a created ebook.

-- **Jayme Beier**