



Discussing the Concepts of ‘Sustainability’ and ‘Sustainable Agriculture’

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A few ideas connected to the scope of scientific work in agronomy and agro meteorology and the scope of the scientific principle is first outlined. Then the concepts of ‘sustainability’ and ‘sustainable agriculture’ is presented, and the content of different definitions of these concepts is discussed.

General ideas of using quantitative parameters, indices, to measure sustainability is presented. Then different ways of defining indices is discussed. A concept connected to ‘subsistence farming’ called ‘tiny orchard’ is presented and discussed, and the possible use of this concept ‘tiny orchard’ as a referenc system for measuring and definig ‘sustainable agriculture’ is discussed. The actual life cycle of a commercial agricultural product, an apple to be consumed fresh, is outlined; and this is compared to what is happening in a ‘tiny orchard’ with and apple on an apple tree.

Some important cycles connected to sustainable agriculture is mentioned, the fresh water cycle and the cycles of nitrogen and phosphorous.

The following idea is discussed: ‘The idea of changing the focus in agricultural production from maximizing the crop yield to keeping the ecological system of the farming and the local area sound and in order’. Man is an organism like other organisms. He ought to take care of his surroundings and the other species, to take care of a tallity of biological systems on the Eath. probaly no god or gods will take care of him if does not succed in doeng this. The content of the concepts of adaption and mitigation connected to clobal change is also finally mentioned.