

Lacunae between Agriculture Scientists and Farmers in usage proportion of fertilizers and manures for sustainable agriculture

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Agriculture is the backbone of India as Agriculture is major occupation. There is a need to increase production and productivity, for this we have to overcome the many problems, one of these is utilization of Manure and Fertilizer for sustainable agriculture. Manure and fertilizers are important sources of nutrients for crop production, both referring to substances added to soil for the establishment, improvement and maintenance of fertility. The correct combination of application of Fertilizers and manures are the most confusing concepts for the common farmer. We conducted a survey to know the lacunae between agriculture scientists and farmers on usage proportion of fertilizers and manures for sustainable agriculture. Survey tells that, Agriculture scientists recommend 35:65 proportion of fertilizers and manure for average crop yield, but still farmers are using 80:20, Agriculture scientists prefer soil testing and to apply recommended quantity but only few farmers are up to that. Agriculture scientists say there will be fertilizers make plant susceptible to disease and pest, it causes soil compaction and there will be drastic effect if we use more than recommended fertilizers, but it will harm soil health but common farmer is far from this knowledge. Agriculture scientists say there will be different recommendation for fertilizers and manures for irrigated land and rain fed agriculture but most of the farmers think it is same. In this situation we are displaying the difference in opinion of Agriculture scientists and farmers understanding in 15Q questionnaire.

Biography

Sunag M N is in third year B.Sc. Agri, in Agriculture College, Hassan, affiliated to Gandhi Krushi Vignana Kendra, Bangalore, Karnataka, India. His area of interest is Modernization of Indian Agriculture, Agriculture Engineering. Shivakumar M S received his M.Sc (Agri) in Genetics and Plant Breeding from University of Agricultural Sciences, Dharwad, Karnataka, India. He has published 4 research articles in national journals, 2 abstract and 1 review paper in national conference and few are in pipeline of publication in international journals. Research interest- Breeding for stress resistance in crop plants. Anoop C N received his M.Sc. in Electronics from University of Mysore (UOM), Mysore, Karnataka, India, Has published 5 papers in international journals, 7 international conference papers, His areas of interest are microstrip patch antennas, Agriculture and Civil Engineering. He is a visiting manager (R&D) Sharada Agro Tech, Hirehally, Tumkur, Karnataka.

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