A Comparative Effect of Homoeopathic Medicines Silicea 6C, 30C & Sulphur 6C, 30C to Enhance the Quality Parameters of Solanum Lycopersicum without Fertilizers

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Abstract

Background: India is the second largest producer of tomato in the world. Farmers increase the quantity than the quality by using the fertilizers like synthetic nitrogen; it in turn causes hazardous effect on environment & humans. The result of this study provides potential benefits of using Homoeopathic Medicines in plant growth & quality parameters.
Objectives: To compare the both Homoeopathic medicines *Silicea Terra* & *Sulphur,* in quality parameters of Solanum Lycopersicum.
Methods: Six fields are used for our study, each field measures $32m^2$. In each field, 25 numbers of plants are planted. Field A crop – *Silicea Terra 6C*, Field B crop – *Silicea Terra 30C*, Field C crop – *Sulphur 6C*, Field D crop – *Sulphur 30C*, Field E crop - Synthetic Nitrogen Fertilizer as Standard control, Field F crop - Placebo control.
Results: Crops treated with Homoeopathic medicine *Silicea Terra 6C, Sulphur 30C* has significant effect in height of plant when compare to Standard & Placebo Control. Before study NPK analysis of Soil reports as Low Fertility Soil. Tomato yield seen only in crops treated with Homoeopathic medicines. *Silicea 6C* field tomatoes have increased nutritive value than normal referral level. Normal referral energy value of tomato is 18Kcal/100g, but our homoeopathic field tomatoes have increased energy value, *Silicea Terra 6C* field tomatoes = 29.7Kcal/100g, *Silicea Terra 30C* field tomatoes have 25.8Kcal/100g, *Sulphur 6C* field tomatoes have 24.4Kcal/100g, *Sulphur 30C* field tomatoes have 23.7Kcal/100g. For plant height, grand mean was 39.67, with significant F- Statistic of 1.1669 ($P < 0.05$).
Conclusion: Homoeopathic Medicine *Silicea Terra 6C, Sulphur 30C* are significantly enhances the quality parameters of Tomatoes in great extent. Our Homoeopathic Medicine was cost effective, non – toxic, easy affordable for farmers.
Key-Words: Agrohomoeopathy, Solanum Lycopersicum, *Silicea Terra 6C & 30C, Sulphur 6C & 30C.*