

# Agrohomoepathy: Bridging Nature and Agriculture for Sustainable Crop Health

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## ABSTRACT

Agro-Homeopathy is an emerging field of science that seeks to revolutionize agricultural practices by integrating the principles of homeopathy with sustainable farming methods. This innovative approach aims to promote crop health, enhance productivity, and reduce the reliance on conventional chemical inputs. Drawing inspiration from homeopathy, which focuses on stimulating the self-healing abilities of living organisms, Agro-Homeopathy utilizes potentized remedies to treat and prevent diseases in crops.

These remedies are then applied to crops in various forms, such as sprays, soil treatments, or through irrigation systems. By stimulating the plant's natural defense mechanisms and strengthening its vitality, Agro-Homeopathy aims to create an optimal environment for crops to thrive.

The potential benefits of Agro-Homeopathy are manifold. Firstly, it offers a sustainable alternative to conventional chemical pesticides and fertilizers, minimizing environmental contamination and reducing the risk of chemical residues in food. Secondly, Agro-Homeopathy has shown promising results in enhancing crop resistance to diseases, pests, and adverse environmental conditions. Additionally, it has the potential to improve nutrient uptake, strengthen plant roots, and promote overall plant vigor. Rigorous scientific studies are needed to evaluate its effectiveness across different crops, regions, and farming systems.

In conclusion, Agro-Homeopathy holds great promise as a sustainable and eco-friendly approach to agriculture. By harnessing the power of natural remedies and principles of

homeopathy, this field of science offers a holistic and harmonious way of nurturing crops, supporting biodiversity, and safeguarding the environment for future generations.

**KEYWORDS:** Homoeopathy, Agro-Homoeopathy, Biotic and Abiotic stress, Fertilizers, Pesticides, Insecticides.

## INTRODUCTION

Agrohomoepathy is a branch of homeopathy science where the homeopathic medicines are used in the field of agriculture that is on crops, plants, trees and on soil to cure their illness with the tools of homoeopathic science. It is one of the newest approaches in agricultural research. It is a chemical less and non-toxic for crop cultivation. Agrohomoepathy can make plants resistant to diseases and pests by strengthening them in every possible way.

Vaikunta Das Kaviraj is a Dutch homeopath and pioneer in Agrohomoepathy. He is the author of the book "Homeopathy for Farm and Garden". He reported his experiences of using

1. Belladonna to treat apple tree rust.
2. Effect of helix tosta on snails and slugs.
3. Effect of silica that enables soil to hold large amount of water and nutrients for long period

After his tremendous work on Agro homeopathy, the subject become a matter of scientific research<sup>(1)</sup>.

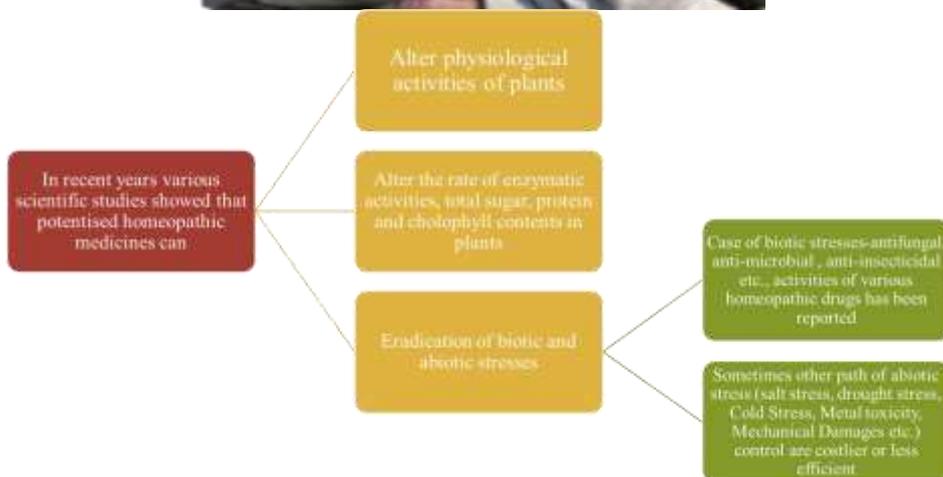
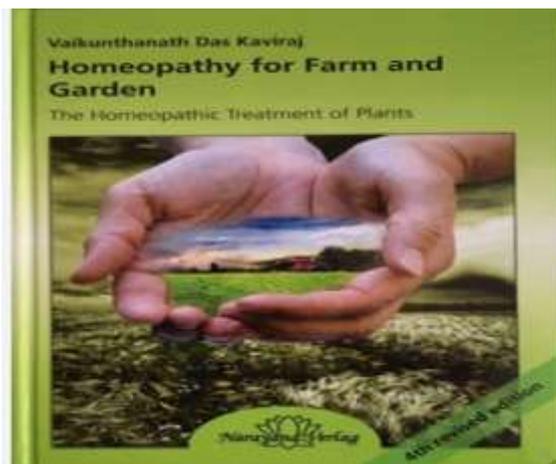


Fig: 1 – Action of Homoeopathic medicine on plants

The scientific works of plant homeopathy are recent. Although the pioneering occurred in 1923 with Kolisko and Kolisko stimulated by the ideas of Rudolf Steiner, only from the end of the decade of 60 has news of experiments in this area. One of the earliest works that has mention is of the Nitien et al. In France that demonstrated the action of homeopathic preparations of copper sulphate (*Cuprum sulphuricum* – 15CH) on the detoxification of green pea

plants previously intoxicated with this salt in high dosage.

Agro-Homoeopathy in India: In India, Khanna and Chandra obtained significant results in rot control of tomato, caused by *Fusarium roseum*, with the application of homeopathic preparations of (*Kali iodatum* in 149CH) and (*Thuja occidentalis* in 87CH), in pre and post-harvest conditions. These authors evaluated the *quality, palatability of fruits treated and cost of the*

treatment, concluding that there were practical and economic feasibility in the

homeopathic treatment, besides the prophylactic and curative actions<sup>(2)</sup>.

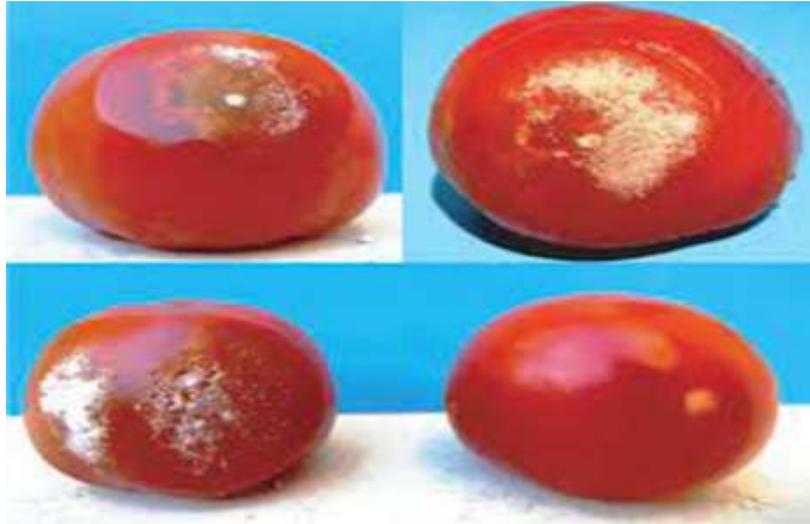


Fig: 2 – Rot control of Tomatoes

Later on, these same authors, obtained significant results in the control of rot in mango, guava and tomato fruits by the application of various homeopathic drugs in pre and post-harvest conditions, with

suppression of spore germination and respiration of the fungi *Alternaria alternata*, *Colletotrichum gloeosporioides*, *Fusarium roseum* and *Gloeosporium psidii*.



Fig:3: *Alternaria alternata*



Fig:4 - *Colletotrichum gloeosporioides*



Fig: 5 - *Fusarium roseum*



Fig: 6 - *Gloeosporium psidii*

Ultra-high dilution of homeopathic medicines can be used safely for various

purposes (Seed germination, betterment of soil health, growth of seedlings, flowering,

fruiting, and protection against diseases and to overcome environmental stresses).

But precautionary measures (proper selection of homeopathic drugs and its potency, proper dilution of drug with water) must be taken before use of these drugs.

It is believed that higher dilution of drugs (1:500 or 1:1000) with water is more effective for plants<sup>(3)</sup>.

Proper selection of drug and its potency, agro homeopathy can be an efficient and very cost-effective alternative that can increase farmers' income by lowering the input cost of Chemical fertilizers and insecticides

Sustainable agriculture is the global target, the troublesome effects of chemical

fertilizers cannot be ignored. Chemical fertilizer plays an essential role in enhancing crop productivity and soil fertility

### USAGE OF CHEMICAL FERTILISERS IN INDIA:

Chemical fertilizers are of various types in the form of nitrogenous, phosphate, potassium fertilizers. The employment of fertilizers not only increases crop productivity, but also alters soil physicochemical and biological properties. However, continuous utilization of chemical fertilizers is responsible for the decline of soil organic matter (SOM) content coupled with a decrease in the quality of agricultural soil.

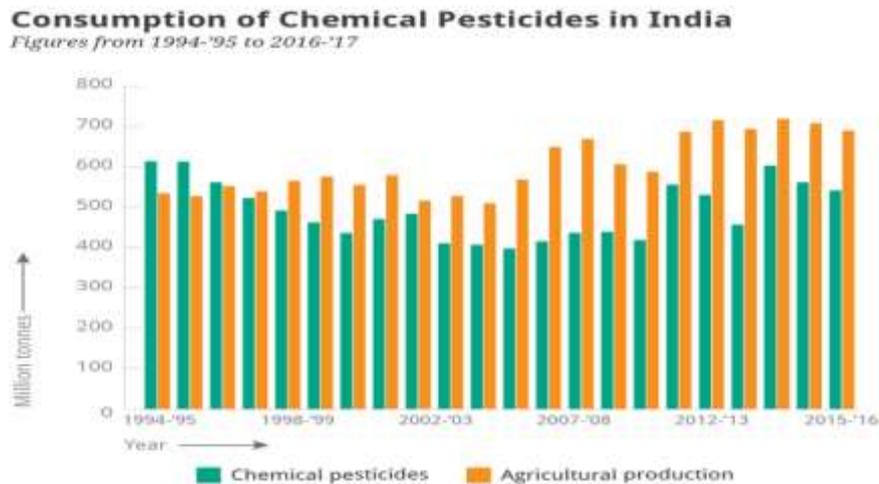
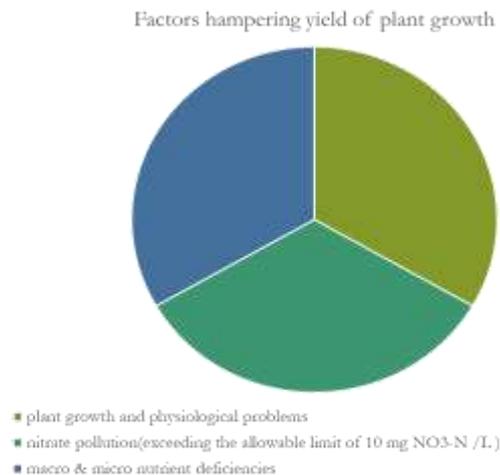


Fig: 7 – Consumption of chemical pesticides and agricultural production

All India Coordinated Research Project on ‘Long Term Fertilizer Experiments’. This figure shows almost all the three factors are hampering on the plant growth<sup>(4)</sup>.



### Various publications in and outside of the country:

- ✚ New practice in agriculture from seed germination to field trial 5th International Conference on Agriculture & Horticulture June 27-29, 2016 Cape Town, South Africa<sup>(5)</sup>.
- ✚ Agro homeopathy: an emerging field of agriculture for higher crop productivity and protection of plants against various stress conditions<sup>(3)</sup>.
- ✚ Potentized Remedies for Plants and Soils: A Snapshot of Agro homeopathy in 2015 in Relation to its Past and Possible Future<sup>(6)</sup>.
- ✚ Systemic Agro – Homoeopathy A New Approach to Agriculture, Integrative and Complementary Medicine (University of Bologna, Italy)<sup>(7)</sup>.
- ✚ Agro homoeopathy: New tool to improve soils, crops and plant protection against various stress condition. Review (Published in Mexico)<sup>(8)</sup>.
- ✚ An Experimental Study to Evaluate the Action of Zincum Phosphoricum of Various Potencies against Boron Induced Toxicity in Solanum lycopersicum through Hydroponic System (Published in Asian journal of soil science and plant nutrition)<sup>(9)</sup>.
- ✚ The Potential of Agro-homoeopathy applied to medicinal plants – A Review. (Published in Journal of Agricultural sciences, Pereira)<sup>(10)</sup>.

### CONCLUSION

Agro-Homeopathy represents a promising avenue for sustainable agriculture, bridging the gap between nature and farming practices to promote crop health. By integrating the principles of homeopathy into agricultural systems, this field offers a holistic and eco-friendly approach to nurturing crops and ensuring long-term sustainability.

Through the use of potentized remedies derived from natural substances, Agro-Homeopathy aims to stimulate the self-healing abilities of plants, enhance their vitality, and strengthen their resistance to

diseases, pests, and adverse environmental conditions. By focusing on the energetic and vibrational qualities of plants and their environment.

One of the significant advantages of Agro-Homeopathy is its potential to reduce the reliance on conventional chemical inputs, such as pesticides and fertilizers. By offering a sustainable alternative, it minimizes environmental contamination and the potential risks associated with chemical residues in food. This approach aligns with the growing demand for organic and environmentally friendly agricultural practices.

Furthermore, Agro-Homeopathy has shown promise in improving nutrient uptake, strengthening plant roots, and enhancing overall plant vigor. By focusing on plant health and vitality, it aims to optimize crop productivity and quality, contributing to the economic viability of farming operations.

However, it is essential to acknowledge that Agro-Homeopathy is still an evolving field and requires further research and validation. More studies are needed to evaluate its effectiveness across different crops, regions, and farming systems. Standardized protocols and guidelines should be developed to ensure consistent and reliable application practices.

In conclusion, Agro-Homeopathy offers a paradigm shift in agricultural practices, emphasizing the integration of natural remedies and holistic principles into farming systems. By embracing this approach, farmers and agricultural practitioners can promote sustainable crop health, reduce environmental impact, and foster a more harmonious relationship between nature and agriculture. Continued research and collaboration are crucial to unlocking the full potential of Agro-Homeopathy and realizing its benefits for the future of agriculture.

#### **Declaration by Authors**

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**Conflict of Interest:** The authors declare no conflict of interest.

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