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Dr. Preeti H Dhalayatar
Intern, BVVS Homoeopathic
Medical College and Hospital,
Bagalkot, Karnataka, India

Dr. KS Pradeep Reddy
MD(HOM)
Associate Professor,
Department of Surgery, BVVS
Homoeopathic Medical College
and Hospital, Bagalkot,
Karnataka, India

Dr. Ravi S Kotennavar
MD (HOM)
Professor and HOD,
Department of Surgery, BVVS
Homoeopathic Medical College
and Hospital, Bagalkot,
Karnataka, India

Dr. Arun V Hooli
MD(HOM)
Principal, BVVS
Homoeopathic Medical College
and Hospital, Bagalkot,
Karnataka, India

Agro homoeopathy: A green approach to sustainable farming

Preeti H Dhalayatar, KS Pradeep Reddy, Ravi S Kotennavar and Arun V Hooli

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Abstract

Agro Homoeopathy is an emerging and eco – sustainable approach that applies the principles of classical homoeopathy to agriculture for improving plant health, soil fertility and crop productivity based on the principle of “like cure like”. It involves the use of highly diluted and potentized remedies with aim of enhancing plant vitality, improving soil health and reducing susceptibility to pests, diseases and environmental stress. Experimental and field observations indicate that this approach may support seed germination, root development, flowering, crop yield and overall resilience. Agro homoeopathy holds promise as a sustainable, low-cost and environmentally compatible tool for advancing organic and climate-resilient agriculture.

Keywords: Agro homoeopathy, eco- sustainable, organic farming

Introduction

It is the most chemical free, non-toxic method of growing food and other crops by using homoeopathic remedies to plants. It also helps to give resistance to plants against diseases and pests by strengthening plants from the inside out. It helps the plants to absorb various nutrients Homoeopathy not only used as medicines in human diseases, but also applied in agriculture. Homoeopathic remedies helps the plant in seed germination, growth and development of plant. Agro-Homoeopathy is based on doctrine of signature like - for example:

- 1) **Silicea** is a hard, crystalline, rock -like structure symbolising strength and rigidity in the same way in plants Silica helps to strengthen plant tissue.
- 2) **Calcarea carbonica**: It is derived from oyster shells and it symbolises protection and hard covering. In plants it helps in hardening and stabilizing plant structure.
- 3) **Natrum muriaticum**: Salt crystals resemble tears. Just as salt balances water in the body, it helps to regulate water metabolism in plants.
- 4) **Sulphur**: Yellow color associated with fire, warmth and purification. In plants it helps in cleansing and purifying effects in soils and crops.
- 5) **Helix tosta**: Snail shell- symbolises defense against pests (snails, slugs). Just as "like cures like" with a direct signature -using the snail itself to repel snail.

Commonly used Homoeopathic remedies in agriculture

1. Arsenicum album

Useful an fungal infections, root rot, & plant wilting. It strengthens the plants defense system and helps in recovery after pest or fungal attacks. Beneficial in soils contaminated with heavy metals residues or chemical residues. Stimulates microbial balance in soil, indirectly promoting plant health. Post - stress recovery – helps crops in recovering after damage from frost, excessive matins or transplant shock.

Corresponding Author:
Dr. Preeti H Dhalayatar
Intern, BVVS Homoeopathic
Medical College and Hospital,
Bagalkot, Karnataka, India



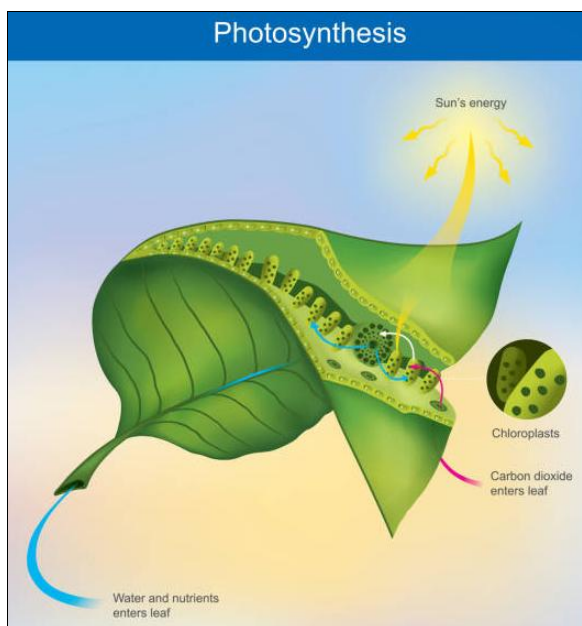
2. Carbo vegetabilis

Soil often loses its fertility and microbial balance due to overuse of heavy chemicals. Hence Carbo-veg helps in revitalization of weak soil. It assists plants in stress tolerance by coping with environmental stress such as in conditions of heat, poor soil aeration and water logging.



3. Sulphur

Helps to control fungal growth. Assists in improvement of plant immunity. Encourages for healthy leaf development by enhancing chlorophyll formation.



4. Silicea

Helps in strengthening of stems, roots and leaves. Used in cases of stunted growth of plants.



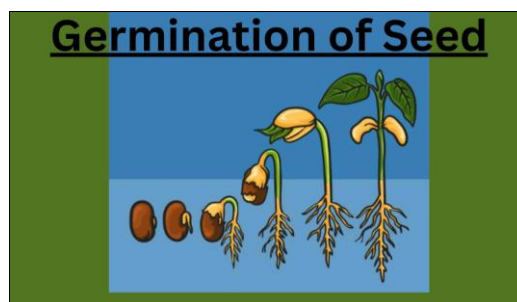
5. Calcarea carbonica

Useful in crops showing calcium deficiency such as weak stems. Resistance against fungal disease.



6. Natrum muriaticum

Helps in maintaining soil salinity stress. Helps in proper nutrient uptake by soil. Helps in water regulation in plants and seed germination.



7. China officinalis

Useful in case of excessive fluid loss or rapid water loss



8. *Helix tosta*

Acts as repellent against slugs and snails that attack tender leaves and seedling process. It acts as eco- friendly by replacing chemical slug pellets which often harm beneficial soil organism, pets and birds.



9. *Coccinella septempunctata*

Helps to reduce Aphid infestations that damage crops by sucking sap. Also helps in preventing rapid spread of aphids in crops like wheat, barley, beans, peas, potatoes.



10. *Thuja occidentalis*

Acts against plant viral diseases such as mosaic virus, leaf curl and vein clearing. Corrects abnormal tissue proliferation such as galls, warts, or knot like formations on stem and leaves.



Common plants diseases treated with homoeopathic remedies:

1. **Bacterial:** Acet -ac, Acon., Am- c, Bell., Ferr – m, Ferr- p.
2. **Fertiliser:** Am- c., Nit- ac., Kali- n
3. **Fungal:** Berb., Bov., Carb- veg., Equis., Sil
4. **Heavy metal poisoning:** Sulphur
5. **Herbicide:** Sulphur
6. **Injury:** Arn., Calendar., Carb -v., Cham., Ferr- p., Sil
7. **Sunburn:** Acon., Bell., Canth., Caps., Carb- v
8. **Viral:** Acon., Arn., Bell., Canth ^[4].

Benefits of agro homoeopathy

- It is a completely organic agricultural method with guaranteed yields.
- Healthy soils, healthy plant life and healthy yields.
- Improves the condition of humus- helpful to soil bacteria and other helping soil insects and pathogens.
- Restores the crops' natural flavour, colour, and taste. Rice and other cereals become much better when it comes to cooking quality.
- Reduces incidence of pests and diseases.
- Reduces the need of pest control measures.
- Poison-free pest control methods.
- Removes environmental pollution and ecological disturbance.
- Chemical insecticides and fertilisers prevent shocks from being applied to the plants.
- No chance of accidental poisoning, suicidal incidents.
- No chance of developing immunity to pesticides by the pests.
- Easy to carry and handling charges are nil.
- Leads to sustainable Agriculture.
- Non-toxicity
- Economic savings and preservation of the natural ecology. Agro Homoeopathy can reduce costs from agrochemicals.
- It will not damage the organism, the ground under the plant or its surrounding area and the water that serves as the solvent in the dynamisations.
- The remedies are simple to apply and safe enough to be handled by anyone.

Case studies and practical examples:

1. Managing powdery mildew in grapes (Italy)

Issue: Grape growers in northern Italy often struggle with powdery mildew, a fungal disease that lowers fruit quality.

Treatment: Diluted preparations of Sulphur and Silicea were applied as sprays on the vines.

Result: The treated vines showed noticeably fewer fungal spots and produced healthier grapes compared to untreated vines ^[1, 2, 3].

2. Reducing slug damage in lettuce (Netherlands)

Issue: Organic lettuce fields suffered repeated losses due to slug feeding.

Treatment: Farmers used *Helix tosta* as a spray on both soil and leaves.

Result: Crop loss from slugs reduced significantly, and lettuce plants grew more uniformly ^[1, 2, 3].

3. Improving wheat germination (India)

Issue: Farmers in drought-prone regions faced weak germination and poor seedling growth.

Treatment: Wheat seeds were treated with Arsenicum album and Natrum muriaticum.

Result: Higher germination percentage, stronger seedlings, and better resistance to dry conditions were observed [1, 2, 3].

4. Banana wilt control (South India)

Issue: Banana plants were heavily affected by wilt disease caused by soil fungi.

Treatment: Watering with solutions of Carbo vegetabilis and Silicea.

Result: Plants showed slower spread of wilt, improved root systems, and produced heavier bunches at harvest [1, 2, 3].

5. Aphid management in roses (Germany)

Issue: Aphids were damaging rose plants and reducing flowering.

Treatment: Sprays of *Coccinella septempunctata*, a remedy prepared from the ladybird beetle, were applied.

Result: Aphid populations dropped without disturbing beneficial insects, and the roses regained vigor [1, 2, 3].

6. Coffee leaf rust reduction (Brazil)

Issue: Coffee farms were affected by rust disease that reduces leaf health and yield.

Treatment: Sulphur and Silicea were used as foliar sprays at intervals.

Result: Plants displayed fewer rust patches, healthier foliage, and comparatively higher yield than untreated plants [1, 2, 3].

Limitation of agro homoeopathy

1. Insufficient large-scale research

Most evidence for agro Homoeopathy comes from small-scale trials or farmer experiences. There are fewer long-term and large-scale studies compared to conventional agricultural methods, which makes it harder to convince mainstream agriculture experts.

2. Need for accurate remedy selection

The effectiveness of treatment depends on choosing the right remedy for the plant, soil, or pest condition. If the selection is wrong, the results may be poor or absent. Agro Homoeopathy makes the method more skill-dependent than chemical approaches.

3. Slower and less predictable effects

Homoeopathic remedies generally act by strengthening plant vitality rather than directly killing pests. Because of this, changes are gradual and not always uniform, which may not suit farmers facing urgent crop threats.

4. Limited awareness among farmers

Agro Homoeopathy is still not widely known. Many farmers lack access to proper training, resources or guidance on how to apply remedies effectively in different crops and climates.

5. Challenges in standardization

Dosages, potencies, and modes of application often vary, and there are no universally accepted standards for field use. This makes it difficult to create consistent practices across regions.

6. Skepticism from the scientific community

Because the remedies are used in very high dilutions, many

researchers question their mode of action. This skepticism reduces funding opportunities, research collaborations, and institutional support.

7. Not always a stand alone solution

While helpful, agro Homoeopathy may not completely replace other organic farming techniques. In severe infestations or degraded soils, farmers often need to combine it with composting, crop rotation, or biocontrol measures for best results.

Conclusion

Agro Homoeopathy is an eco-friendly and cost-effective method that strengthens plants and reduces chemical use in farming. Although limited by lack of research and awareness, it has strong potential when combined with organic practices to support sustainable agriculture.

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