

HERBAL RESOURCE CENTRE

GODWIN PUBLIC SCHOOL



PROMOTING

BIODIVERSITY

WITH

**ORGANIC
FARMING**



www.janhitfoundation.in

WHAT ARE HERBAL PLANTS?

HERBAL plants have special qualities to them. Herbs have been in use for centuries for culinary, medicinal and aromatic reasons. Herbal gardening is wonderful since the herbs can be grown in a variety of ways.

Herbs have been used in the treatment of many illnesses. Some herbs can cure a sneeze, others cure life threatening ailments.

WHAT IS BIO-DIVERSITY?

Biodiversity is the variation of life forms within a given ecosystem, biome or for the entire Earth. Biodiversity found on Earth today consists of many millions of distinct biological species, the product of four billion years of evolution." Diversity" in this definition includes diversity within a specie and among species, and comparative diversity among ecosystems.

WHAT IS ORGANIC FARMING?

Organic farming is a form of agriculture which excludes the use of synthetic fertilizers , pesticides, plant growth regulators, livestock feed additives, and genetically modified organisms. As far as possible, organic farmers rely on crop rotation, green manure, crop residue, compost and mechanical cultivation to maintain soil productivity and control pests. The role of organic agriculture, whether in farming, processing, distribution, or consumption, is to sustain and enhance the health of ecosystems and organisms from the smallest in the soil to human beings.

HERBS GROWN IN THE SCHOOL

	NAME	BOTANICAL NAME	FAMILY	PART USED	PROPERTIES	USE
	STEVIA	Stevia rebaudiana Bertoni	Asteraceae	Leaves.	sweet yet calorie free	For diabetics
	ALOE VERA	Aloe barbadensis Mill	Liliaceae	Leaves, Roots & Flowers	8 amino acids in it out of 22	As an antiseptic and in cosmetics,
	HOLY BASIL, TULSI	Ocimum Sanctum L.	Lamiaceae	Leaves, Seeds and Root	anti inflammatory, analgesic	relieves cold, cough, indigestion
	ASHWA- GANDHA	Withania somnifera Dunal	Solanaceae	Roots and Leaves	antibiotic and antibacterial	promotes urine and can be used as a substitute for soap
	AKARKARA	Pyrethrum radix	Compositae	Roots & flower heads mainly	immuno- modulator	treatment of skin diseases

WHY A HERBAL GAR

Most of the students studying in this school hail from families belonging to the farming community. local people about the charismatic benefits

It also provides a healthier environment within the school campus along

BIOFERTILIZERS AND

VERMICOMPOST

Vermicompost is a dry manure which increases the water holding capacity of soil and enhances its quality. Bio-mass, dung and earthworms are used to prepare it. It has all type of nutrients and plant growth promoters like Auxins, Cytokinins, Gibrellins etc. Earthworms have calcareous glands which produce rich calcium for the use of plants.

Vermicomposting has two main advantages. Firstly, this technology can be used to speedily enhance degradation/recycling of urban and rural waste for conversion of organic waste into highly useful manure, thus solving the problem of waste disposal management and environmental degradation in urban and rural areas. Secondly, this has an additional benefit of production of earthworm meal to serve as a protein rich supplement for livestock industry.



VERMIWASH

Vermiwash is a liquid plant tonic and manure which works as an activator for the nutrients in the soil. It is obtained from the body secretion of the earthworms. It has all type of nutrients and plant growth promoters like Auxins, Cytokinins, Gibrellins etc. It is used as a foliage spray.

GARDEN IN GODWIN?

The garden has been built to promote awareness especially amongst children and to familiarize them with the Medicinal and Aromatic Plants.

with promoting sustainable and relevant education through Biodiversity.

MANURES USED IN ORGANIC FARMING



JEEVAMRIT

Jeevamrit is a liquid manure rich in different microorganisms. It enhances the quality of soil by aerating it and controlling the pH value. It also helps plants to avail the micro-nutrients present in the soil. It is made with Gram flour, Cow dung, Cow urine, Jaggery and locally available soil.



NADEP

Nadep is a dry manure made from bio-mass, dung, soil and water. It has all the macro and micro-nutrients required by plants. It enhances soil aeration, water holding capacity, organic carbon, and controls the pH value. It improves the organic matter in soil by providing it with a richer source of food for the micro-organisms.



HARITPANI

Haritpani is a bio-pesticide and plant growth promoter which controls diseases, insects and different type of pests from attacking the plant. It is made from green weeds, bio-mass, tamarind, salt and jaggery. It increases the resistance power in the plants to fight diseases and pests.

OTHER SIMILAR PROJECTS

- Herbal garden at S.D. Public School, Muzaffarnagar, supported by F.A.O.
- Replicated at Holy Angels' School, Muzaffarnagar

MISSION

- To create an awareness among the students and teachers.
- Conservation of endangered herbal biodiversity within the school campus.
- Ensuring improved health status for the students and teachers.
- Nursery raising, to provide free seeds to other schools.
- Set an example for farmers, students, NGOs and other nurseries so that they can replicate the same and thereby spread the message further.
- To provide pure and healthier alternatives to allopathic medicines.
- To provide reliable raw materials for the pharmaceutical and cosmetic industry.
- To generate employment opportunities for women and provide with an income booster for the farmers.

VISION

By learning environmental management practically at an early age, the students shall be nurtured to develop 'Green Minds' so that they may become 'Green Managers' for the management of environment tomorrow. The replication and productivity of the project is ensured because the aim is to conserve the biodiversity capital of the community which is essential for the sustainable development in future. Since the project is based on enhancing the natural capital through eco-friendly conservation practices rather than hazardous and costly chemical based inputs hence, the viability and productivity of the project, which is based on students' betterment with respect to their improved health, knowledge and active participation would be ensured. The planning, execution and management of integrated sustainable development activities will be undertaken by the target group itself.

“The preservation of biodiversity is not just a job for governments. International and non-governmental organisations, the private sector and each and every individual have a role to play in changing entrenched outlooks and ending destructive patterns of behavior”.

- Kofi Annan, UN Secretary General on the 2003 International Day of Biological Diversity

Janhit Foundation is an independent, not-for-profit non-governmental organization, actively engaged in the promotion of human welfare through environmental protection since 1998.

Janhit Foundation undertakes this work through scientific research, campaigns, advocacy and grass-root level community involvement.

As a public interest organization, Janhit Foundation focuses on strengthening local communities through their active participation in decision making, to achieve sustainable development. We believe that environmental degradation can only be addressed adequately if local people are empowered in decision making at all levels and have control over resources.

To achieve our goals, we work in partnership with government, non-governmental, national and international organizations on environment and human rights issues.

ORGANIC FARMING

- Promotes sustainable agriculture through organic farming methods
- Environmental education to farmers as well as students through small meetings
- Empowers local communities
- Training and demonstration programs are regularly conducted
- Training imparted for sapling raising, post harvest processing and preparation of input components like bio-compost, bio-fertilizer and bio-pesticide
- A 'one stop shop' right, from 'soil to market'!

ORGANIC AHARAM

With an objective of providing market to the organic farmers at their doorstep and also making chemical free certified organic products available to the consumers of Meerut and adjoining districts, an organic outlet was inaugurated on June 12, 2007.

People can now taste chemical free and healthy food locally. It encourages farmers to practice organic farming as non involvement of middlemen gives them the original price of their produce thus enhancing their income. It also encourages people to be the consumers of nutritious food and stay healthy by making the organic products available to them.

WATER

Key areas of work in this section include:-

- Groundwater quality protection for human health
- Provision of safe drinking water to marginalized communities
- Protection of river water quality for aquatic ecosystems
- Enhancement of available water resources through water conservation measures

RAIN CENTRE

Janhit Foundation has the distinction of setting up the second Rain Centre in the country, in Meerut - the first of its kind in North India - which was set up on July, 2004 in collaboration with the Centre for Science and Environment (CSE), New Delhi. The Meerut Rain Centre has pictures and data in the form of colorful panels in an exhibition room. These panels portray the significance of rain in the Indian way of life, its influence on the customs, traditions economy and politics of the country. A library has been established where information in the form of books, CDs, newsletters, video films etc. on water is available. The Rain Centre building has a live model of rooftop rainwater harvesting with an area of 185m². It harvests a total volume of 1, 10,437 liters of rainwater on an average, annually. In short, the Rain Centre provides the know-how to people for harvesting rainwater.



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Supported By



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CHILDLINE

- 1098, the toll free number, is a helpline for children in distress
- 24 hours emergency service under the Ministry of Women and Child Development (Govt. of India).
- Also caters to the need of children forced into illegal and hazardous activities
- On dialing 1098, a child or an adult on his behalf, can get access to prompt and effective service
- Meerut CHILDLINE works with the marginalized and excluded children in Meerut district.

GYAN ASHRAM

Two schools for the children of marginalized groups have been set up. These informal schools take care of about 100 children. Their total grooming, education, health and vocation based needs are dealt with by trained staff. Health check ups and follow up is done on a regular basis. Anganwadi takes care of providing mid-day meals to the children and impart them with basic education.

