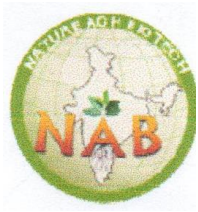


National AGH Biotech

BLACK PEPPER (SIRI)



GSTIN: 37AAQFN9290B1ZU

Registered Address:

NATIONAL AGH BIOTECH

III-161-28-5-A-4

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Black pepper (*Piper nigrum*), King of Spices is a flowering vine in the family Piperaceae. It cultivated for fruit known as a peppercorn. The peppercorn is usually dried and used as a spice and seasoned.



Peppercorns and the ground pepper derived from them may be described simply as pepper. The pepper plant is a perennial woody vine growing up to 4 m (13 ft) in height on supporting trees, poles, or trellises. It is a spreading vine, rooting readily where trailing stems touch the ground. The leaves are alternate, entire, 5 to 10 cm long and 3 to 6 cm across. The flowers are small, produced on pendulous spikes 4 to 8 cm long at the leaf nodes, the spikes lengthening up to 7 to 15 cm as the fruit matures.

About National AGH Biotech

- ✓ National AGH Biotech is one of the topmost companies producing Hi Quality Tissue Culture Super Clones and agriculture products for over 30 years in compliance with National and Internationally recognized standards.
- ✓ We are the largest processors of Black Pepper clones in the India and premier supplier to the global farmers.

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- ✓ We are entrusted with the triple functions of producing trained personnel, carrying out research and extension activities in agriculture and plantation sector.
- ✓ We are having well-established plant culture laboratory with hardening facilities and producing wide variety of Horticulture, Medicine plants.
- ✓ We regularly supply to various Government departments, Organizations and farmers in the areas of Arunachal Pradesh, Meghalaya, Maharashtra, Goa, West Bengal, Karnataka, Andhra Pradesh, Telangana and Kerala since 1993 besides exporting to Australia, Malaysia etc.
- ✓ We ensure desired quality in all the clones, uniquely qualified to meet these needs of our customers in the different ways that create ongoing good relationship. We can't accomplish them alone. Customer's relationship is an investment in the long-term success of our company.
- ✓ We are nature lovers and doing business to protect nature and making the environment green. Our wish is to make greenery as much as possible.

Climate:

Black Pepper thrive well in tropical hot climate, so India is very suitable commercial crop for Indian climate. The ideal temperature is 10 to 40oC. Black peppers require high altitudes. So, most of the places in India above 1500m will be very suitable for Black Pepper cultivation.



Soils:

National AG Biotech clone, Black Pepper (Siri) can be grown in any soil. Yet red soils or loamy soils rich with organic materials are suitable for best cultivation. The soils should be slightly acidic. i.e., pH should be 5.0 to 6.5.

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Planting:

The vines are planted 3 to 4m distance, usually planted along with arecanut.



Normally year old arecanut plantation is preferred or coconut/jackfruit plantation or equivalent poles or pillars are arranged before cropping. Pits should be of size of 0.5 x 0.5 x 0.5m at a distance 20 to 30cm from the poles or supporting plants. The plants are planted before the onset of monsoon with 10KG of FYM for each pit.

Irrigation:

Frequent irrigation shall be done from Nov-Dec to Mar. No irrigation is required during monsoon. Irrigation should be followed if the rains are not proper in monsoon. The schedule of irrigation is every 2 days during dry seasons and weekly during winter.

Measures:

10 kg of well rotten cattle manure or compost/FYM per plant is given in April-May (preferably 1Kg every week). 500g of Ammonium Sulphate, 1KG Super Phosphate & 100g of Muriate of Phosphate is applied per standard for vines of three years and above may be applied annually in two split doses in April-May

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and August-September. During the first year of planting, 1/3 of the above dose and in the second year 2/3 of the above dose may be given. Manures are applied around the vines at a distance of 30 cm and forked into the soil. Lime may be applied at the rate of 500 g per standard during April in alternate years.

Regular weeding and 2 diggings during May-Jun and Oct-Nov will help in boost of crop.

Care should be taken that vine is properly trained to the supports. Removing waste terminal and hanging shoots is highly recommended.

Pests and Diseases:

The main pests of black pepper farming are flea beetles and scale insects. Following formulation can be drenched in soil twice during May-Jun & Oct-Nov.

- Neem cake 1/2 Kg per vine and swabbing of Bordeaux up to 1m from the ground level.
- 20g Trichoderma viride and 10Kg FYM or Bordeaux mixture 1 % or Metalaxyl-Mancozeb 2 g/lit.
- Pseudomonas fluorescens (50 g) before and after monsoon.

Harvest:

Harvesting commences from Second year onwards. The harvesting season is from November to March. Harvest is done by hand picking the whole spikes when few berries in the spike start turning red. The berries are separated and dipped in hot water (80°C) for one minute and sun dried for 7 to 10 days.



Yield:

The average yield from single black pepper vine of National AG Biotech is 3 – 4 kgs or 35kgs per acre.

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National AGH Biotech Black Pepper (SIRI) vine Price - ₹ 125/-

Thanking you

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