



Neva Plantations LLP

V.P.O. Gopalpur, Tehsil Palampur,

Kangra HP

BLUEBERRY CULTIVATION

Why Blueberry Cultivation?

High Nutritional Value: Blueberries are packed with essential nutrients, including vitamin C, vitamin K, and dietary fiber. They also contain powerful antioxidants that help combat free radicals in the body.

Growing Demand: The demand for blueberries is increasing globally due to the growing awareness of their health benefits. This presents a lucrative opportunity for farmers in India to capitalize on this trend.

Profitability: Blueberries have a high market value. With proper cultivation techniques and effective marketing strategies, farmers can achieve good profitability.

Sustainable Farming: Blueberry cultivation promotes sustainable farming practices, as it requires fewer pesticides and fertilizers compared to other crops. This makes it an environmentally friendly choice for farmers.

GENERAL FEATURES (VARIETY WISE) AND REQUIREMENTS

Biloxi



Fruit Color	Dark Blue
Fragrance	Mild & Sweet
Blooming Season	Feb-March
Fruiting Season	May-July
Plant Height	3-4 feet
Growing Medium	Peatmoss/ Cocopeat/ Acidic medium
Sunlight	Full sun to partial shade
Watering	Pulse irrigation
Fertilization	Regular fertigation acidic fertilizer
Pruning	During Summer season
Ph	4.5 to 5.5
EC	1.0
Spacing of Pots	3 to 4 feet
Chilling Hours	0 , No chilling hours requirement
Yield	2.5 to 5 kg
Temperature Range	0 to 38 degree C
Pollination Status/ Recommended companion Varieties	Self Pollination

Legacy



Fruit Color	Dark Blue
Fragrance	Sweet & Tangy
Blooming Season	March-April
Fruiting Season	June July
Plant Height	3-4 feet
Growing Medium	Peat moss/ Coco peat/ Acidic medium
Sunlight	Full sun to partial shade
Watering	Pulse irrigation
Fertilization	Regular fertigation acidic fertilizer
Pruning	During dormant season
Ph	4.5 to 5.5
EC	1.0
Spacing of Pots	3 to 4 feet
Chilling Hours	Up to 500
Yield	4 to 6 kg
Temperature Range	-6 to 35 degree Celcius
Pollination Status/ Recommended companion	Self-Pollination
Varieties	

Misty



Fruit Color	Light Blue
Fragrance	Mild Sweet Pleasant
Blooming Season	Feb-March
Fruiting Season	June
Plant Height	3-4 feet
Growing Medium	Peatmoss/Cocopeat/Acidic medium
Sunlight	Full sun to partial shade
Watering	Pulse irrigation
Fertilization	Regular fertigation acidic fertilizer
Pruning	During dormant season
Ph	4.5 to 5.5
EC	1.0
Spacing of Pots	3 to 4 feet
Chilling Hours	Less than 200
Yield	4to 6 kg
Temperature Range	0 to 38 degree C
Pollination Status/ Recommended companion Varieties	Cross-Pollinating Biloxi

Emerald



Fruit Color	Deep Blue to purple
Fragrance	Mild Sweet Pleasant
Blooming Season	February
Fruiting Season	April-May(Within 60 Days from Flowering)
Plant Height	3-4 feet
Growing Medium	Peatmoss/Cocopeat/Acidic medium
Sunlight	Full sun to partial shade
Watering	Pulse irrigation
Fertilization	Regular fertigation acidic fertilizer
Pruning	During dormant season
Ph	4.5 to 5.5
EC	1.0
Spacing of Pots	3 to 4 feet
Chilling Hours	Up to 150
Yield	4 to 6 kg
Temperature Range	0 to 38 degree C
Pollination Status/ Recommended companion Varieties	Cross-Pollinating Biloxi/Misty

Sharp Blue



Fruit Color	Dark Blue
Fragrance	Suitable Sweet Aroma
Blooming Season	March-April
Fruiting Season	May-June
Plant Height	4-5 feet
Growing Medium	Peatmoss/ Cocopeat/Acidic medium
Sunlight	Full sun to partial shade
Watering	Pulse irrigation
Fertilization	Regular fertigation acidic fertilizer
Pruning	During dormant season
Ph	4.5 to 5.5
EC	1.0
Spacing of Pots	3 to 4 feet
Chilling Hours	Up to 150
Yield	4 to 6 kg
Temperature Range	Up to 38 degree C
Pollination Status/ Recommended companion Varieties	Cross-Pollinating Emerald/Misty

Robin Blue



Fruit Color	Dark Blue
Fragrance	Pleasant Sweet Aroma
Blooming Season	April-May
Fruiting Season	July-August
Plant Height	3-4 feet
Growing Medium	Peatmoss/Cocopeat/Acidic medium
Sunlight	Full sun to partial shade
Watering	Pulse irrigation
Fertilization	Regular fertigation acidic fertilizer
Pruning	During dormant season
Ph	4.5 to 5.5
EC	1.0
Spacing of Pots	3 to 4 feet
Chilling Hours	More than 800
Yield	4to 6 kg
Temperature Req.	-14 to 36 degree C
Pollination Status/ Recommended companion Varieties	Cross-Pollinating Legacy

Pot/Container Selection : Nowadays most people grow Blueberry in pots instead of Soil so that PH &EC can be maintained properly . Make sure the pot or container is at least 15-20 inches in diameter and 15 -20 inches in height & should have a drainage hole in it.



Airopots



Grow Bag

Pot Cost: Airopots are generally priced at the rate of INR. 240.00 per pot while Grow bag of 15 inches X 18 inches costs around Rs150 whereas the life of Airopots is much more longer than grow bag and has more porosity & more holes which can be opened also and are easy of transportation.

Media Options :

Cocopeat (60%) + Peatmoss (20%)+ Perlite (20%)

Average Media Cost:

one pot of the above mentioned sizes contain almost 15-16 kg of wet media which costs approximately up to 220-225 INR per pot

Planting- : 4' X 3' spacing is required generally planted in dormant season i.e. mid – November to February start but in pots, farmer can go for the year around plantations.

Season/time of pruning : Dormant season is the best time to prune blueberries but early spring pruning helps growers to identify winter injured woods easily and remove them in areas where winters are prolong and cool.

Irrigation : Blueberries require consistent moisture, especially during the fruiting season. Implement a drip irrigation system to provide water directly to the plant roots. Avoid overhead irrigation, as it can promote disease development. Irrigate your plants twice a week at least in the except summers and in summer at every alternate day.

Fertilization : Apply a balanced fertilizer specifically formulated for acid-loving plants. Regularly monitor the nutrient levels in the soil and adjust the fertilization **accordingly. CAN, MOP, Potassium sulphate, Potassium nitrate, Magnesium Sulphate, Micronutrients, Ammonium Sulphate and Phosphoric Acid** can be applied as per the needs of the plant throughout the season.

Fertigation schedule per Plant per litre:

NPK (19:19:19): 0.065 gms

CAN: 0.15 gms

MAP: 0.21 gms

Pottasium sulphate: 0.49 gms

Pottasium Nitrate: 0.08 gms

Magenius Sulphate: 0.08 gms

Micronutrients: 0.04 gms

Nitric acid (Ph): 0.01 ml per litre



Fertigation Schedule:

One litre per plant per fertigation & Fertigation twice a week. The above mentioned schedule have to be followed from 15 February till November 15. Between November 15 and February 15 there is dormancy period for the plant in which we only supply NPK and Micronutrients at the above mentioned dosage only.

Costing of the fertigation per plant per year:
INR. 77 Approximately which may vary according to what brand of fertilizers you are using.

Harvesting and yield : It takes about 45-60 days to ripen after flowering; fruits are harvested when color of fruits turn Blue. The harvesting is done manually by plucking individual fruits .

The average yield per plant on and after the third year is approx. 3.0.-6.0 kg per plant if all the management practices are at the best level.

Disease and Pest Management : Proper drainage should be maintained because in water logging condition fungal pathogens *Phytophthora* and *Pythium* cause root rot and plants may die. Otherwise it's a very sturdy plant. And not susceptible to any major pest or diseases.

Pruning : The bush is trained either in multi-stem or single stem, initially the vegetative growth is encouraged by removing flower buds from canes. To keep balance between fruits to shoot ratio in proper proportion, pruning should be done regularly.

Time of Pruning: For Low chill/High chill Varieties it is recommended to prune during winter (dormancy) but for zero/no chill varieties summer pruning is recommended.



Plant Under Dormancy
Mid Nov.- Mid Feb

Fruiting in 4-5 picking
May to August
(depending upon the
variety)

Life –Cycle of the
Plant

Flowering
Mid-Feb.- March

Fruit set
Mid-March -April

For any type of query
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