

Growing Two Blue Dream Plants in NYC

Total Estimated Costs: \$1300 - \$5000

Fixed Costs: \$625 - \$3,365

Variable Costs: \$675 - \$1,635

Estimated Time: 200 - 300 days

Legalization Required: Not all states allow home grow (NY does). [Check your state laws.](#)

Costs are similar for 1-3 plants, only part 1 costs change per plant. Get more bang for your buck if you grow more than 1 plant.

How to grow

1. Establish a Grow Location
 - a. Canopy Size. One plant will require 1-1.5 m in vertical space and 2.5- 5 square meters.
 - i. \$5-15 per 5-gallon bucket
 - b. Indoor grow tent (1 tent should have space for 3 plants)
 - i. Grow tent cost: \$150 - \$1000
 - c. Soil:
 - i. Higher quality soil will require less nutrients
 - ii. Ph should remain between 6.5 - 7
 - iii. Well drained, fertile, and loamy
 - iv. Cost of quality soil: \$40 - \$80 per 40 liters
 - v. Nutrients should be applied on an as-needed basis. nitrogen, phosphorus, and potassium nutrients can improve yields
 - d. Starting from seed or clone
 - i. Clones (can start at the seedling or vegetative state) Common strains are cheaper than your exotic strains. Blue dream is a common strain \$25-\$200 per clone

Plants	Part 1 Cost
1	\$70 - \$295
2	\$140 - \$590
3	\$210 - \$885

2. Light Exposure:

- a. LED light - \$400-\$2,000 per light fixture. You are growing 1-3 plants, **One light is enough**. Buy a light that allows you to control intensity and color
- b. Germination and Seedling - 18 to 24 hours of low intense light (PPFD - 100 to 180 $\mu\text{mol}/\text{m}^2/\text{s}$ | blue light)
- c. Vegetative - 18-20 hours of relatively high intense light (PPFD - 400-800 $\mu\text{mol}/\text{m}^2/\text{s}$ | blue light)
- d. Flowering - 12 hours of relatively high intense light (PPFD - 800 to 1500 $\mu\text{mol}/\text{m}^2/\text{s}$ | red light)

3. Electricity Costs for Lighting:

- a. Electricity cost = (watts used / 1000) * hours used * KWH cost
- b. Estimated monthly electricity costs for lighting (using a 400-Watt LED light and \$0.15 KWH):
 - i. Germination (18 hours at 100 $\mu\text{mol}/\text{m}^2/\text{s}$ for 10 days): \$2 - \$4
 - ii. Seedling (18 hours at 180 $\mu\text{mol}/\text{m}^2/\text{s}$ for 21 days): \$5 - \$10
 - iii. Vegetative (18 hours at 400 $\mu\text{mol}/\text{m}^2/\text{s}$ for 112 days): \$60 - \$120
 - iv. Flower (12 hours at 800 $\mu\text{mol}/\text{m}^2/\text{s}$ for 77 days): \$50 - \$100

4. Temperature:

- a. The cannabis plant (from seed or clone to flower) should be from 15 to 32 degrees
 - i. Germination (3 - 10 days) - 24 to 30 degrees
 - ii. Seedling (14 to 21 days) - 20 to 25 degrees
 - iii. Vegetative (21 to 112 days) - 20 to 28 degrees
 - iv. Flowering (56 to 77 days) - 20 to 28 degrees

5. Water

- a. Simple. Do not overwater! Make sure soil is wet, water when soil is dry
- b. Late-vegetative and flowering stages will require more watering (once a day)

6. Ventilation
 - a. Allow air flow to help plants soak up water in a reasonable amount of time.
 - b. Fans and dehumidifiers can help
 - i. Fans: \$10-\$20
 1. Electricity cost: \$20 - \$40
 - ii. Dehumidifier: \$50 - \$300
 1. Electricity cost: \$405 - \$810
7. Establish ways of keeping your grow and dry spaces clean
 - a. Before even starting your grow process, come up with guidelines to keep your grow and dry spaces clean
 - b. Whether indoor or outdoor, pesticides should not be used.
 - c. The plant will attract pests, keeping your grow area as clean as possible can limit pest and mold exposure
8. Trimming & Drying & Curing
 - a. Dry room should be dark, between 15 to 18 degrees, 50%-60% humidity
 - b. Leave buds on the stem
 - c. Cut sugar leaves from the buds
 - i. Trimmer: \$5-\$15
 - ii. Keep leaves and stems
 - d. Hang stem from close hangar, the heavier buds should be closest to the ground
 - e. Once dry, placed the dry-trimmed buds into glass jars for curing.
 - i. Open the jars once a day for 60 days
9. Processing
 - a. Use stems and leaves from trimming to make edibles, tinctures, and topicals
 - b. For more info on how to create cannabis products, check out these articles:
 - i. [How to make cannabis cooking oil](#)
 - ii. [Cannabis infused olive oil](#)
 - iii. [How to make cannabis tea](#)
 - iv. [How to make lotions, salves, balms, and creams](#)

[For more details, check out this NYC.gov article for tips on home growing.](#) Message admin@bornchained.com if link stops working.