PlantClue

What does a whole indoor grow cost?

Example for 3 autoflowers in a 2.6 × 2.6 ft (80 × 80 cm) tent: electricity, supplies and equipment per gram and per ounce of harvest. Supplement to the PlantClue grow electricity cost study 2026, as of October 8, 2026.

$1.90
per gram ongoing (without equipment), 135 g (4.76 oz) per grow

$7.70
per gram in the first grow incl. $783 equipment

$2.62
per gram over 8 grows incl. equipment

$256.01
ongoing cost per grow (electricity + supplies)

Summary

In this example, three autoflowers yield 135 g (4.76 oz) of dry harvest. Electricity ($60.01, LED autoflower grow at the US average rate) and supplies ($196) add up to $256.01 per grow, or $1.90 per gram ($53.76 per ounce). The one-time $783 for equipment spreads out with every grow: $7.70 per gram in the first grow, $3.35 after four, $2.62 after eight. Yield is the biggest lever.

Assumptions

Item	Assumption	Value
Plants	autoflowers at the same time in a 2.6 × 2.6 ft tent	3
Yield	dry total, a good run (about 0.7 g per watt)	135 g (4.76 oz)
Electricity	LED autoflower, 333 kWh × 18.04 ¢ (EIA US average)	$60.01
Supplies	seeds, soil, nutrients, water, share of the carbon filter	$196.00
Ongoing per grow	electricity + supplies	$256.01
Equipment	one-time: tent, LED, exhaust with filter, circulation fan, accessories	$783.00

Supplies and equipment are the European example converted at the ECB rate of October 8, 2026 (1 EUR = 1.1186 USD) and rounded.

Cost per gram over several grows

Grows	Total cost incl. equipment	Total harvest	Per gram	Per ounce
1	$1,039.01	135 g (4.8 oz)	$7.70	$218.19
2	$1,295.02	270 g (9.5 oz)	$4.80	$135.97
3	$1,551.03	405 g (14.3 oz)	$3.83	$108.57
4	$1,807.04	540 g (19.0 oz)	$3.35	$94.87
5	$2,063.05	675 g (23.8 oz)	$3.06	$86.65
6	$2,319.06	810 g (28.6 oz)	$2.86	$81.17
7	$2,575.07	945 g (33.3 oz)	$2.72	$77.25
8	$2,831.08	1,080 g (38.1 oz)	$2.62	$74.31

Yield is the biggest lever

Total yield	Per gram ongoing	First grow incl. equipment
90 g (3.2 oz)	$2.84	$11.54
120 g (4.2 oz)	$2.13	$8.66
135 g (4.8 oz)	$1.90	$7.70
150 g (5.3 oz)	$1.71	$6.93
180 g (6.3 oz)	$1.42	$5.77

Electricity per scenario (from the study, US average)

Setup	Light	Fans 24 h	Schedule	Days	kWh	Cost
LED, photoperiod	200 W	30 W	4 wk 18/6 + 9 wk 12/12	91	317.52	$57.28
HPS, photoperiod	430 W	45 W	same	91	640.08	$115.47
LED, autoflower	200 W	30 W	11 wk 18/6	77	332.64	$60.01
HPS, autoflower	430 W	45 W	11 wk 18/6	77	679.14	$122.52

Fans account for 20.6% of an LED setup's use and 15.4% for HPS. Autoflowers on 20/4 instead of 18/6: LED 363.44 kWh, HPS 745.36 kWh (18/6 saves about 8.5%). By state, the LED photoperiod grow ranges from $39.79 (North Dakota) to $138.76 (Hawaii).

Rate sources (as of October 8, 2026)

Region	Value and source
USA	18.04 ¢/kWh average, mean of Aug 2025 to Jul 2026, by state, EIA retail sales (residential)
Canada	13 provinces/territories, 1,000 kWh/month, before taxes, Canada Energy Regulator
Europe	Germany Destatis 61243-0001, Austria Eurostat nrg_pc_204, Switzerland ElCom median 2026
Rates	1 EUR = 1.1186 USD / 0.9326 CHF / 1.5953 CAD, ECB, Oct 8, 2026

Notes and limits

Example calculation, not a yield guarantee. Not included: time, learning curve, failed or weak runs, heating, AC, dehumidifier, fixed utility charges and sales tax differences. Please follow the rules where you live.

Full study with all tables and charts:
https://plantclue.com/en/reports/grow-electricity-cost-2026/
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