

STRATEGY: Ramp UV slowly from Week 3–4. FR with main light Week 1–6, then off. UV peaks Week 6–7, wind down Week 8, stop 5 days before harvest. Always sync CO2 + EC with PPFD.

Parameter	Week 1–3 Early Flower	Week 3–6 Mid Flower	Week 4–6 UV Ramp	Week 6–8 Late Flower	Week 8–9 Flush & Finish
LIGHT CHANNELS					
Main Light %	70–80%	100%	100%	100%	80%
PPFD (μmol/m²/s)	~1005	~1435	~1435	~1435	~1148
Far-Red (FR)	25–30% After lights off 10 min	40–50% With main light All cycle	40–50% With main light All cycle	OFF	OFF
UVA	OFF	OFF (until Wk 3 end)	20–30% 1 hr — ramp up	60–80% 2–3 hr split*	30–40% 1 hr — stop 5 days pre-harvest
ENVIRONMENT					
CO2 (ppm)	900–1000	1200–1500	1200–1500	1000–1200	Ambient ~400
EC (mS/cm)	1.8–2.2	2.5–3.0	2.5–3.0	2.8–3.2	0.5–1.0 flush
Temp Day	25–27°C 77–81°F	25–27°C 77–81°F	25–27°C 77–81°F	23–25°C 73–77°F	20–22°C 68–72°F
Temp Night	20–22°C	20–22°C	20–22°C	18–20°C	16–18°C
Humidity (RH)	55–60%	45–50%	45–50%	40–45%	40–45%
VPD (kPa)	0.9–1.1	1.1–1.3	1.1–1.3	1.2–1.5	1.2–1.4
AIRFLOW					
Fans	Low–Med	Med–High	Med–High	High	Medium
Exhaust	Standard	+10%	+10%	+20%	Standard
PHASE GOAL					
Goal	Trigger flowering	Max bud sites	Begin resin boost	Peak trichome	Maturity + flavor