



Plant-Prod MJ™ Production Program

Media

A nutritional program that maximizes productivity begins with the right growing media. Start with a well-aerated and porous soil with a pH between 6 - 6.2 and an EC between 1 - 1.5 mmhos/cm. Routine monitoring of the pH and EC is highly recommended. Adjustments to fertilizer rates will be based on plant age, growth phase, water test analysis, temperature, humidity, pH/EC monitoring, and other factors.

For best results, customize to water conditions.

Please contact your local Plant-Prod / Plantex sales representative for a water analysis.

Fertilization

Seedling Germination and Starting (week 1)

Apply **Plant-Prod MJ™ Boost** at 0.07 oz per 1 gallon (75 ppm N) once or twice to ensure adequate phosphorous levels. This will provide a good initial boost to the roots.

Vegetative Growth (week 2-3)

Lighting during this phase is generally 18-24 hours. Fertilize with **Plant-Prod MJ™ Grow** at 0.11 - 0.16 oz per 1 gallon (100-150 ppm N) on a constant feeding schedule. If EC levels drop below 1, increase the feed to 200 ppm N. Monitor EC and pH during the full crop cycle.

Rotation with **Plant-Prod MJ™ Cal Kick** every second feeding is recommended. The requirement for this supplement should be determined by water sample results, provided by your Plant-Prod sales representative.

Bud Set (week 4)

Lighting should be switched to 12 hours on, and 12 hours dark. In order to help the plants set buds, or when the buds are pea sized, feed once or twice with **Plant-Prod MJ™ Boost** at 0.13 oz per 1 gallon (150 ppm N). Continue rotation with **Plant-Prod MJ™ Cal Kick** as needed.

Bud Sizing (week 5-10)

Lighting should continue at 12 hours on, and 12 hours dark. Begin continuous feeding with **Plant-Prod MJ™ Bloom** at 0.13 - 0.2 oz per 1 gallon (100-150 ppm N). This will encourage full bud set and enhance bud filling. Continue rotation with **Plant-Prod MJ™ Cal Kick** as needed.

Finishing (week 11-14)

Plant-Prod MJ™ Finisher will help with plant finishing when applied at 0.08 oz per 1 gallon (25 ppm N, 185 ppm P₂O₅). The higher phosphorous and potassium will benefit the plants in their reproductive stage through to finishing. Switch to clear water 14 days before harvest.

Any Stage (week 1-14)

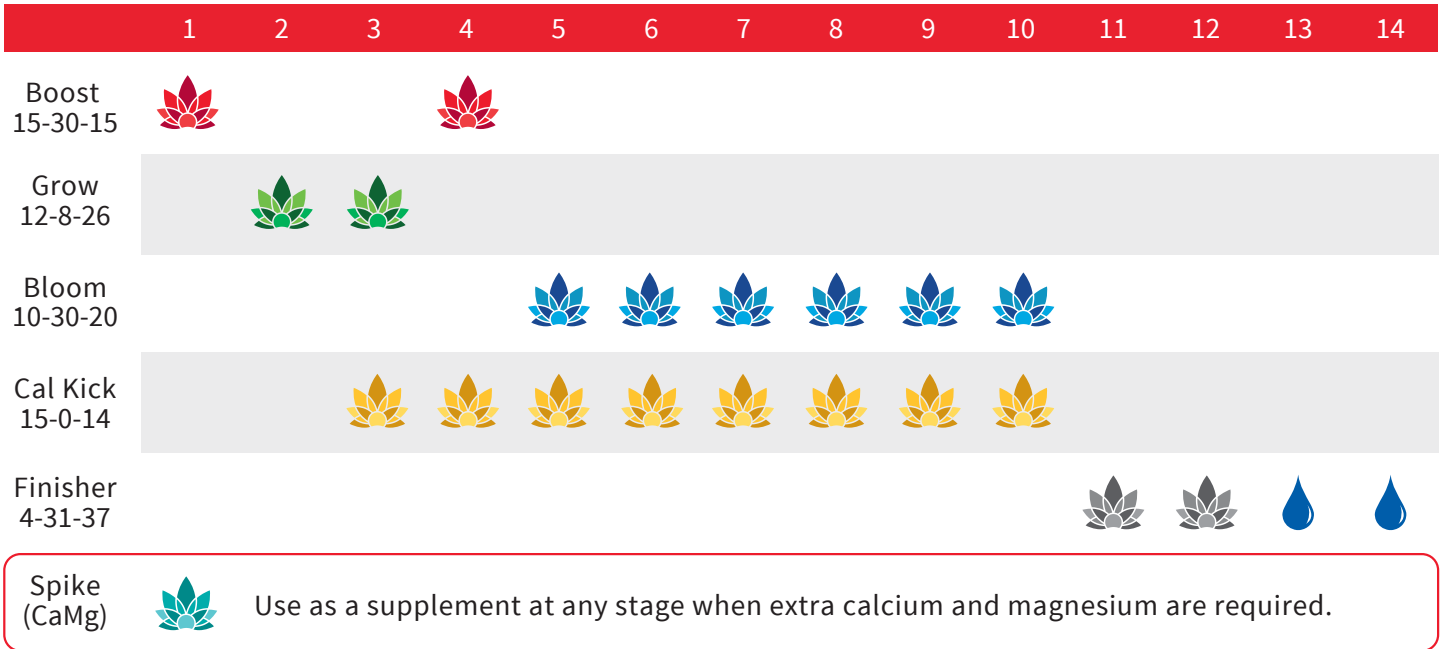
Plant-Prod MJ™ Spike (CaMg) can be used throughout the production cycle in conjunction with any **Plant-Prod MJ™** formulation, mixed in a separate tank. This completely chelated formulation of calcium (Ca) and magnesium (Mg) in a 2:1 ratio avoids the risk of interfering with bud formation, setting and sizing. Rate should be determined by water sample results, provided by your Plant-Prod sales representative.



Plant-Prod MJ™ fertilizers are available in 25 lb bags.



Plant-Prod MJ™ Program Schedule by Week



Plant-Prod MJ™ Nutrient Specifications (%)

	Total Nitrogen (N)	Available Phosphate (P ₂ O ₅)	Soluble Potash (K ₂ O)	Calcium (Ca)	Magnesium (Mg)	Sulfur (S)	Iron (Fe)	Manganese (Mn)	Zinc (Zn)	Copper (Cu)	Boron (B)	Molybdenum (Mo)
Boost 15-30-15	15	30	15	-	-	-	0.10	0.05	0.05	0.05	0.02	0.0005
Grow 12-8-26	12	8	26	-	2.5	5.1	0.25	0.05	0.05	0.05	0.02	0.0005
Bloom 10-30-20	10	30	20	-	1.3	1.8	0.25	0.05	0.05	0.05	0.02	0.003
Cal Kick 15-0-14	15	-	14	11	-	-	0.25	0.05	0.05	0.05	0.02	0.015
Finisher 4-31-37	4	31	37	-	-	-	0.10	0.05	0.05	0.05	0.02	0.0005
Spike (CaMg)	-	-	-	5.4	2.7	-	-	-	-	-	-	-



Find your nearest dealer: www.plantprod.com
 Tel: 1-905-793-8000 | Toll free: 1-800-565-4769

Legal notice

The information provided by Master Plant-Prod Inc. is designed for ethical, government sanctioned medical marijuana grow operations. Master Plant-Prod Inc. does not encourage nor condone operations that are unlawful. All operations should adhere to the laws in the jurisdictions in which they operate.