



# 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.

## Propagation

To ensure effective propagation, dip cuttings into **Stim-Root®** prior to planting to increase the number, quality and uniformity of roots per cutting. This proprietary rooting hormone is registered under the *CFIA Fertilizers Act*.

## Fertilization

### Seedling Germination and Starting (week 1)

Apply **Plant-Prod MJ™ Boost** at 0.5 g per 1 litre (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 0.8 - 1.2 g per 1 litre (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 Products Inc.** 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 1 g per 1 litre (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 1 - 1.5 g per 1 litre (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 0.65 g per 1 litre (25 ppm N, 200 ppm P<sub>2</sub>O<sub>5</sub>). 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.

For best results, customize to water conditions.

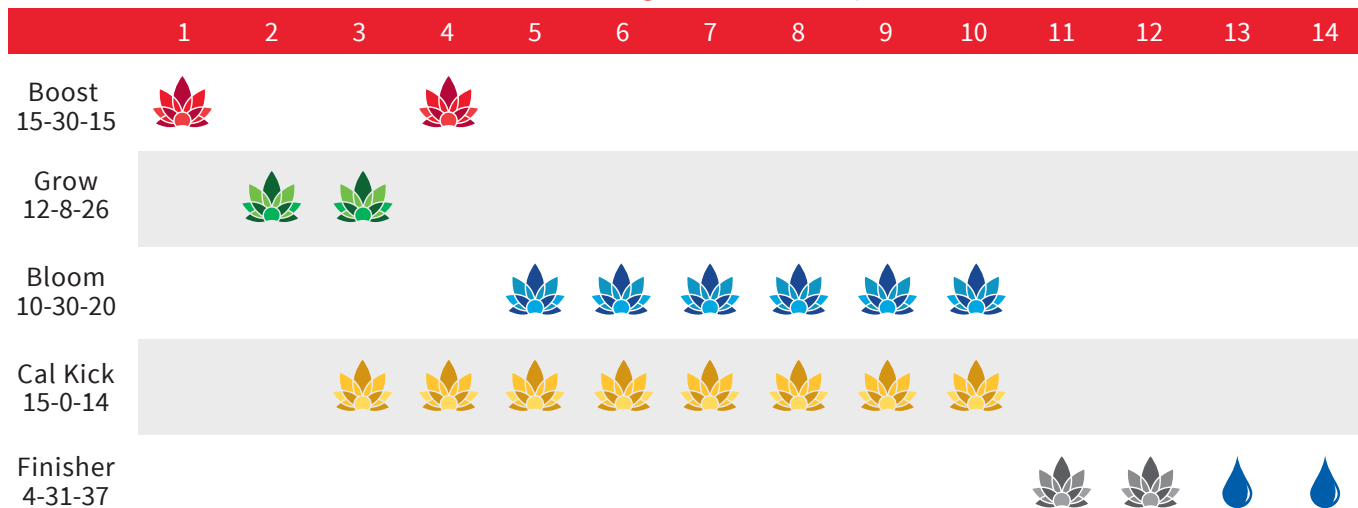
Please contact your local Plant-Prod sales representative for a water analysis.



Plant-Prod MJ™ fertilizers are available in 15 kg bags.



## Plant-Prod MJ™ Program Schedule by Week



Spike  
(CaMg)



Use as a supplement at any stage when extra calcium and magnesium are required.

## Plant-Prod MJ™ Nutrient Specifications (%)

	Total Nitrogen (N)	Available Phosphoric Acid (P <sub>2</sub> O <sub>5</sub> )	Soluble Potash (K <sub>2</sub> 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	-	-	-	-	-	-	-

### Regulatory Compliance

Certificates of Conformity and Heavy Metal analyses are available for each of our formulations upon request. Our detailed Quality Control Procedures are also available upon request. Master Plant-Prod Inc. is in compliance with the requirements and standards prescribed by the *Fertilizers Act* and *Regulations* as set out by the Minister of Agriculture and Agri-Food Canada (AAFC) and by the Canadian Food Inspection Agency (CFIA). Our Quality Control Procedures also cover each raw material that we use, which are either individually registered or exempt from registration under the *Fertilizers Act*.

### 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.



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