



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 Products Inc.** sales representative for a water analysis.

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 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.

Finishing (week 11-14)

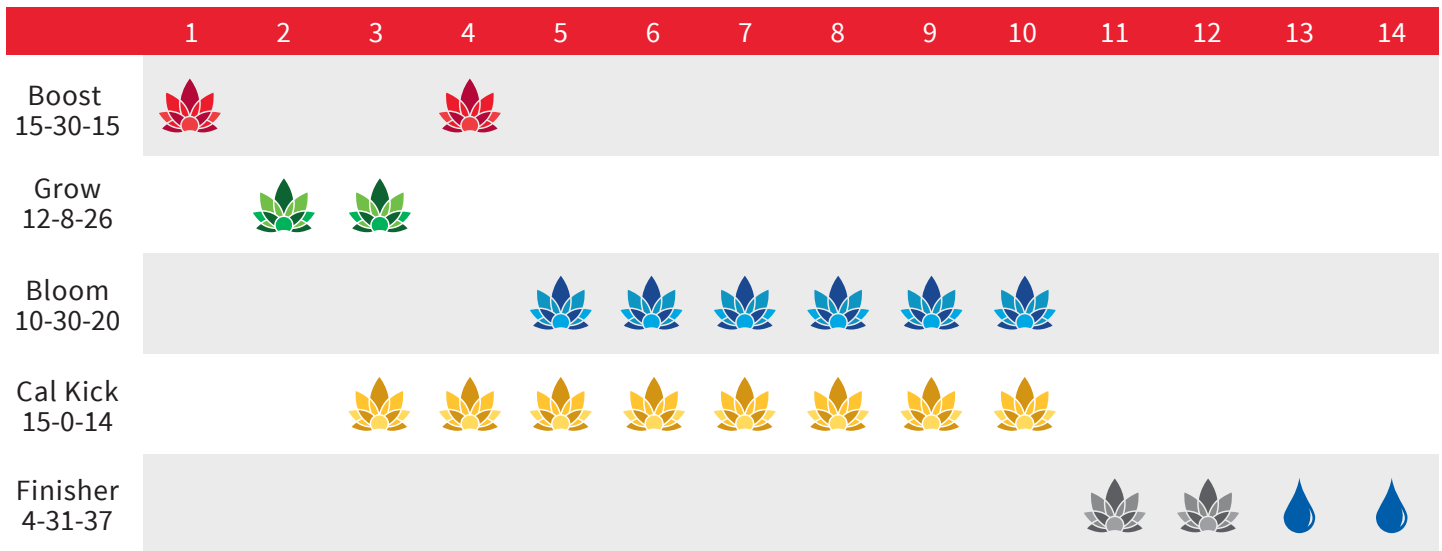
Plant-Prod MJ™ Finisher will help with plant finishing when applied at 0.65 g per 1 litre (25 ppm N, 200 ppm P₂O₅). The higher phosphorous and potassium will benefit the plants in their reproductive stage through to finishing. Switch to clear water 14 days before harvest.



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



Plant-Prod MJ™ Program Schedule by Week



Plant-Prod MJ™ Nutrient Specification (%)

| | Total Nitrogen (N) | Available Phosphoric Acid (P ₂ O ₅) | Soluble Potash (K ₂ O) | Calcium (Ca) | Magnesium (Mg) | Sulphur (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 |

Regulatory Compliance

Certificates of Conformity 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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