



**MONTY'S  
HEMP PRO**

# GREENHOUSE & FIELD APPLICATION INSTRUCTIONS

This information is Monty's specific fertility feeding schedule to grow hemp. Monty's **CBD Hemp Production Protocols brochure** should be used in conjunction with this schedule. Soil and tissue testing as well good farming practices are essential to raising a successful hemp crop. We recommend working closely with your Monty's representative and dealer throughout the growing season. The Hemp Pro products are specifically formulated for the needs of your plants during the various stages of growth. In addition, Monty's has a full line of products that are designed to address issues you may encounter throughout the growing season.

**MAGMAHUME.** MagmaHume is the first step! It is a unique combination of Monty's proprietary activated humics and basalt minerals – a source of secondary and micro nutrients – designed to improve soil fertility and health. Apply with pre-plant fertility and mix with soil in the greenhouse.

**MONTY'S LIQUID CARBON.** MLC is important to add throughout the growing process to improve the soil, improve moisture retention, aid the microbiology, and address soil issues. Monty's Calcium Plus can be substituted where MLC is recommended.

**HEMP PRO STARTER (5-16-12).** Hemp Pro Starter is an ideal plant food to nurture young plants to promote vigorous root and leaf development. Use in the greenhouse on seed or on young plants. In the field, use up to two applications after emergence or transplant.

**Indoor/Greenhouse Applications:** Treat your potting mix with MagmaHume at a rate of 2 cups per 1 cubic foot. Apply 1 ounce per gallon MLC and 1 teaspoon per gallon of Hemp Pro Starter to the soil at pre-plant or direct on the seed at planting. May also be sprayed over the top.

## Commercial Injector Dilution Rate

1:100 Injectors (Dosamatic, etc.)			1:20 Siphon		
PPM	Hemp Pro	Concentrate Tank	PPM	Hemp Pro	Concentrate Tank
800	8 ounces	1 gallon	800	2.5 ounces	5 gallons
1600	16 ounces	1 gallon	1600	5 ounces	5 gallons

To get your desired PPM, simply divide the PPM by 100 to get the number of ounces of Hemp Pro to add to your concentrate tank. If you are not calculating the PPM, Monty's suggests you use the 16 ounces per 100 gallon rate.

Add 12 ounces of MLC per 100 gallons in concentrate tank to provide the best conditions for germination and initial growth.

**Direct water:** If you are mixing in the tank and watering directly, add 16 ounces per 100 gallons of finished mixture.

**Transplanting:** Use Hemp Pro Starter in the setter water at a rate of 1 quart per 1,000 plants, along with 1/2 quart of MLC per 1,000 plants. Transplanting in the greenhouse, use Hemp Pro Starter as a root dip at 1 teaspoon per 2 gallons of water and MLC at 1 ounce per 2 gallons of water.

**Field Application:** Hemp Pro Starter can be applied through drip irrigation or by foliar spray. The Hemp Pro Starter guidelines above apply to both drip irrigation application and foliar spray. If you have an injector on your drip system and it is 1 to 100, use the Commercial Injector Dilution Rates above. If you are feeding from a premixed/prediluted tank, mix according to the direct water directions.

**Tissue testing<sup>1</sup>.** A tissue test should be performed at 2-3 weeks to determine if there are nutrient deficiencies. Contact your Monty's or dealer representative to assist you with the AgXact tissue sampling process.

Consult your Monty's Representative if you have questions or need assistance to calculate the proper amount of product to use for your application.

**MONTY'S HEMP PRO EARLY VEGETATIVE (7-9-5).** Use from transplanting through week 5 (depending on your strain and its maturity days). Apply at a rate of 1 quart per 1,000 plants, along with Microhance at a rate of 1 quart per 1,000 plants and 1/2 quart of MLC per 1,000 plants every week. You may feed weekly, or up to 3 week intervals, depending on your desired results. Monty's also has individual micronutrients to address deficiencies noted during the growing season.

Regardless of tissue testing results, apply Monty's CoMoB with either the first or second Hemp Pro Early Vegetative application at a rate of 1 quart per 1,000 plants.

To figure the amount of CoMoB required through the injector/drip, simply calculate the amount of acreage and the volume of water used in your concentrate tank. (Example: when 5,000 plants use 100 gallons from the concentrate tank, add 5 quarts of CoMoB).

**Tissue testing<sup>1</sup>.** A tissue test should be performed to determine if there are nutrient deficiencies. Contact your Monty's or dealer representative to assist you with the AgXact tissue sampling process.

**MONTY'S HEMP PRO LATE VEGETATIVE (10-8-4).** Apply from week 6 through 8 (first and last application depends on your strain and maturity days). Apply Hemp Pro Late Vegetative at a rate of 1/2 to 1 quart per 1,000 plants, and add MLC at a rate of 1/2 to 1 quart per 1,000 plants depending on frequency of application. **Do not apply Hemp Pro Late Vegetative with any other nutrient products.**

At least one week after final late vegetative application, apply CoMoB, Nauxin, and Agri-N each at 1/2 quart per 1,000 plants.

**MONTY'S HEMP PRO BLOOM & FLOWER (3-15-16).** Apply as needed after week 8. Apply Hemp Pro Bloom & Flower, Agri-Sweet, and K28 Liquid Potash each at 1/2 quart per 1,000 plants. Apply MLC at 8 ounces per 1,000 plants.

**Do not make any foliar applications after the second week of bloom stage. Drip or side-dress is preferred.**

**Field testing:** Varieties of concern should be tested earlier than other varieties. During this stage, the pistle goes from clear to cloudy to amber. When it changes to mostly cloudy, a tissue test should be performed. A magnifying glass such as a jeweler's loop is very important to observe and indicate the best time to harvest. Be aware of your state testing protocols to schedule their test to fit into your harvest schedule.

For drip/side dress applications after week 2 of bloom stage, apply Hemp Pro Bloom & Flower at a rate of 1/2 to 1 quart per 1,000 plants, and add MLC at a rate of 1/2 to 1 quart per 1,000 plants. Agri-Sweet and K28 each can be added to this application at 1/2 quart per 1,000 plants.

<sup>1</sup>Tissue testing should be performed throughout the growing season to determine or identify nutrient deficiencies. Contact your Monty's or dealer representative to assist you with the AgXact tissue sampling process.

To avoid disease problems, foliar feed early in the day, before heating by the sun. Late day feeding is possible, but plant must be dry before dark.

When tank mixing any Monty's product, always read and follow label directions of any chemicals you are considering. While Monty's tank-mix applications are suitable for many farm chemicals, we recommend conducting a jar test and a strip test to insure compatibility. Monty's products are designed for plant growth, fertility and soil conditioning purposes. Contact your local dealer or Monty's representative if you have questions concerning the use of Monty's products. \*Not available in all states.



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