

# 1 Prepare Your Plot

**A. Know your hemp plot.** Chemical residues from past crops can affect your hemp.

**B. Soil Test.** Soil test must include heavy metal analysis. Hemp is a soil remediator, it will draw contaminants out of the soil if they are present. Contaminates make a crop unsellable. Contact your Monty's representative about the tools necessary for soil (and tissue) testing with AgXact.

**C. Adjust/amend your soil.**

1. Apply 2 quarts per acre of Calcium Plus.
2. When adding natural amendments such as poultry litter, apply at least 2 weeks prior to planting and incorporate into the soil to avoid burning new plants.
3. Monty's Hemp Pro products are a supplement to a complete soil fertility program as determined by your soil analysis. Contact your dealer or Monty's representative to learn more about the AgXact soil sampling program.

**D. Know your processor.** They will be able to assist you in producing a crop that is marketable. This is a very important relationship for a successful crop.

**E. Tissue sampling.** Tissue sampling is critical to address nutrient deficiencies and crop issues throughout the growing season. It is also necessary toward the end of the growing season to maximize CBD production and to stay within legal THC limits. During flower stage, test only bud/floral material.

Visit [MontysHempPro.com/Deficiencies](http://MontysHempPro.com/Deficiencies) for a hemp deficiency chart.



## MONTY'S PRODUCTS IDEAL FOR HEMP APPLICATION

**HEMP PRO™ STARTER** is ideal for quick emergence and early season vigor. It is a versatile liquid plant food that can be used at planting and as a foliar on hemp, enhancing plant development from germination to early vegetative.

**HEMP PRO™ EARLY VEGETATIVE** is a foliar applied liquid fertilizer containing N, P, K with Sulfur, Iron, and Zinc. It is specifically formulated to deliver readily available nutrients during the vegetative growth stages to enhance growth and root development.

**HEMP PRO™ LATE VEGETATIVE** increases plant growth with our unique blend of NPK and micronutrients. Its balanced blend helps boost the hemp plant's ability to maximize nutrient uptake and plant development.

**HEMP PRO™ BLOOM & FLOWER** is for application during reproductive/bloom stages. It is specifically designed to maximize hemp plant performance during the bloom stage.

**CALCIUM PLUS™** provides chelated calcium directly to the plant. Calcium has been shown to aid in developing improved cell function and strength which may improve standability and nitrogen utilization.

**MICROHANCE®** contains six important nutrients including Nitrogen. It offers a unique blend of Monty's technology designed to provide nutrients to the plant at any stage of growth, helping maximize the plant's yield potential.

**CoMoB** is a unique blend of micronutrients geared for maximizing plant growth. Cobalt is important for growth and metabolism. Molybdenum supports Nitrogen fixation in legumes. Boron supports plant structure.

**NAUXIN™** offers a unique blend of Monty's technology that is designed to provide nutrients to the plant at any stage of growth, helping maximize the plant's yield potential.

**K28™ LIQUID POTASH** is a 28% potassium supplement for hemp plants. It is nearly pH balanced and can be safely added to nitrogen solutions, and most herbicides and fungicides, for foliar application.

**AGRI-SWEET™** is refined sugar. It is an excellent food source for soil microbes and helps enhance the release of soil nutrients through microbial activity.

**BIO-STRAIN®** is a unique package of microbial strains designed to promote early root development, plant stamina, and the overall health of the crop throughout the growing season.



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**MONTY'S**  
**HEMP PRO™**

# Application Protocols

## OVERHEAD IRRIGATION

**Recommended  
application  
procedure  
to maximize  
hemp production**



## 2 Pre-Plant Information

**A. Planting Methods.** Monty's prefers for you to stick with what you know. Utilize growing methods you are familiar with: vegetable, tobacco, plastic and drip irrigation, 5x5, and other field methods will work as well. Depending on the method, expect to plant between 1,500 to 3,000 plants per acre.

### **B. Choosing your seed and plant stock.**

It helps to plant varieties with maturity from 90 to 135 days to stagger harvest and drying space

1. Clones = all female plants, rooted and ready to grow.
2. Seedlings = male and female plants, rooted and ready to grow
3. Seed = *Feminized* (higher % female possible male and hermaphrodite). *Non-feminized* seed is roughly 50/50 male to female.

**C. Planting time.** Depending on variety, planting should be between May 1 and July 15.

## 3 Planting/Transplanting Stage

**A. Greenhouse seed production.** 1:100 commercial injector dilution rates.

PPM	Hemp Pro Starter	Concentrate tank
800	8 ounces	1 Gallon
1600	16 ounces	1 Gallon

**B. Transplanting.** Use Hemp Pro Starter at 2 quarts per acre, and Calcium Plus at 2 quart per acre, in the transplant water.

**This guide is Monty's general application information for a successful hemp yield. Talk to your Monty's representative for more specific information.**

## 4 Early Vegetative Growth Stage

**You can apply feedings every week if desired or to address deficiencies.**

**Week 1-2:** (1) Foliar apply Hemp Pro Early Vegetative at 2 quarts per acre. May be applied with other nutrient products. (2) Apply Microhance at 1 quart per acre. (3) Tissue test to determine nutrient deficiencies. Contact your Monty's representative to assist you with the AgXact tissue sampling process.

Field topping may be advisable about the 5th week/late July when plants are about 28-36" tall. Consult your processor to determine if this is necessary.

**Week 3-4:** (1) Foliar apply Hemp Pro Early Vegetative at 2 quarts per acre. (2) Apply Calcium Plus at 1 quart per acre. May be applied with other nutrient products.

*Notes: For longer maturity varieties (example: 110+ day), this growth stage will exceed 5 weeks.*

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.

## 5 Late Vegetative Growth Stage (ABOUT WEEK 5)

Apply as needed before bloom stage (allow 7 days between applications). Do not apply Hemp Pro Late Vegetative once initial flowering stages have begun. (1) Apply Hemp Pro Late Vegetative at 2 quarts per acre by itself. Do not apply Hemp Pro Late Vegetative with any other nutrient products. (2) Apply Calcium Plus at 1 quart per acre. (3) Apply CoMoB at 1 pint to 1 quart/acre. (4) Tissue test to determine nutrient deficiencies. Contact your Monty's representative to assist you with the AgXact™ tissue sampling process. If there are deficiencies, apply Nauxin at 1 quart per acre (or follow the AgXact recommendations).

## 6 Bloom & Flower Growth Stage (ABOUT WEEK 8)

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

**First application:** (1) Apply Hemp Pro Bloom & Flower at 2 quarts per acre. (2) Apply K28 Liquid Potash at 1 quart per acre. May be applied with other nutrient products.

**Second application:** (1) Apply Hemp Pro Bloom & Flower at 2 quarts per acre. (2) Apply Agri-Sweet at 1 quart per acre.

*Notes: 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.*

## 7 Harvest/post-drying information

**A. Consider drying space.** Hemp requires a large, enclosed, vented area to dry. Weather can drastically affect drying times. Typically, it takes about 2-3 weeks to dry in favorable weather conditions. There may be a local drying facility in your area. If the weather is unfavorable consider contacting one if available. Variation of maturity day per variety may allow you to dry multiple crops in the same area.

**B. Handling.** Minimize handling and transportation of dried hemp to maximize the quality of the finished product. After initial processing, safe guard quality by storing in a clean, dry environment.