



SEVEN SPRINGS FARM
Organic Farming & Gardening Supplies
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Recommended fertility for field-grown hemp

For pre-plant, baseline fertility in field hemp, Seven Springs Farm* recommends the following diversified fertilizer application aimed at increasing soil biology and providing timely fertility to meet crop demands:

Primary fertility (N-P-K) per acre:

1000 lbs NatureSafe 8-5-5 (or one ton of Harmony/Symphony)
800 lbs Feather or Blood meal (or NS 13-0-0)
250 lbs Fish meal
250 lbs Alfalfa meal
40-80 lbs Humic DG

Soil biology building and micro-nutrients per acre:

50-100 lbs Kelp meal
50-100 lbs Worm castings

For transplant water (to reduce transplant stress) per acre:

10.7 oz Maxicrop Soluble Seaweed Powder concentrate

This equals 214 lb N (+/- 150 plant available), 65 lb P, 55 lb K plus humic acid for increased uptake/efficiency and kelp and castings for micro-nutrients and biological stimulation.

A budget alternative, or for growers who prefer to handle pelleted fertilizer, use all of the following: 1250 lb NatureSafe 8-5-5, 850 lb NatureSafe 13-0-0, & 40-80 lbs Humic DG

This equals 210 lbs N (+/-150 plant available) - 62 lbs P - 62 lbs K

If a soil analysis shows a given deficiency or excess make adjustments accordingly.

*Recommendations are based on average crop demand numbers from field studies by Purdue, Penn State and NC State.

As more states continue to allow the cultivation of hemp for fiber, seed, flower and oil, growers are learning more about the challenges of this versatile crop.

As of this writing, only some states have published lists of allowable materials to be used in hemp production. If you have questions about whether a given material is allowed in your state check with your local Department of Agriculture. As a general guide, refer to the EPA's list of minimum risk pesticides - also known as 25 (b) pesticides. Typically, materials that are not EPA registered and have ingredients that are labeled for use on food crops are considered eligible for use on hemp. **Ultimately, growers should check with the processor(s) of their crop prior to applying any material.**

Fertile, living soil is the foundation of pest and disease management. Healthy plants are more resilient as well as more productive. Starting with high-quality, virus-free planting stock (or seed) and well-balanced, biologically active soil is the first step towards a successful crop.

As a general principle, preventative treatment is advised for managing diseases. Understanding the life-cycle of a pathogen as well as the local disease pressure will help a grower ensure a clean crop. As always, good air-flow and sunlight are the best cultural controls for most diseases.

Insect pressures will vary annually. We recommend frequent scouting and only treating for insects and/or mites when they are found to be present on the crop. Timely treatment at the beginning of a pest outbreak can keep an infestation from impacting the crop.

Please see our website (www.7Springsfarm.com) for charts of common pests and diseases and our recommended organic controls.

*****Recent changes in federal law will affect pesticide labeling for hemp. As a general rule, it is illegal to apply an EPA registered pesticide to a crop (or for a pest) that is not on the label unless covered by an exemption. Check with your state department of agriculture and your processor prior to applying any material to your hemp crop.*****