NTS
Nutri-Tech Solutions®

Nutrition Farming® Guide – Medicinal Cannabis

With the aim to produce chemical-free, medicinal grade cannabis, growers can implement Nutrition Farming® strategies by including key products into their current programs.

Crop Phase	Key Nutrition Requirements	Suggested Products
Soil/Site Preparation	**Outdoors -** Determine soil nutrient requirements by taking a soil test. Broadcast your specifically designed Prescription Blend™ 4 – 6 weeks prior to planting. Balancing the minerals in your soil will help to improve soil structure and increase general fertility.	NTS Soil Therapy™
	Pots/Indoor Growing - If starting in pots, use a good quality seed raising mix to get your seedlings off to the best start possible. Ensure the mix is well aerated, and contains sustainably sourced materials. The addition of a slow-release fertiliser can help sustain soil fertility for longer.	Life Force® Gold™ Life Force® Carbon™
Seed Germination and Cloning	Clone establishment or seed germination can be greatly enhanced by including kelp (seaweed) in your cloning solution. Kelp contains a wealth of natural growth promoting substances which also stimulate root growth. You can also try soaking seeds in a mild seaweed solution for 24 hours, prior to planting, to enhance germination success. Mycorrhizal (VAM or AM) fungi are greatly beneficial to cannabis production. It is important to introduce them early in the plant life cycle as a seed treatment to ensure adequate colonisation of the growing plant roots.	Nutri-Kelp™ or Nutri-Life Platform®
Planting	Reduce transplant shock & promote vigorous root growth with a post-plant fertigation.	Root & Shoot™
Early Vegetative Growth	Triacontanol is a powerful natural growth promoter that can enhance plant photosynthesis and all growth parameters. Foliar spray once at the rapid growth, early vegetative stage to build plant structure.	Nutri-Stim Triacontanol™ NTS Fast Fulvic™ Tri-Kelp™
	Soil microbiology plays an essential role in nutrient solubilisation, nutrient recycling, carbon sequestration and root health. Inoculations with broad spectrum beneficial microbes are a great addition to any soil fertility program.	Nutri-Life BAM™ Nutri-Life Tricho-Shield™
Vegetative Growth	Maintain broad-spectrum nutrition in the plants, including NPK, calcium, magnesium and trace elements to ensure optimum productivity and quality. Maintain a monthly fertigation throughout the entire growth cycle. Include silicon for improved crop resilience.	Nutri-Sea Liquid Fish™ NTS Fast Fulvic™ Trio (CMB) Fertigate™ Dia-Life Organic™ **(requires good flow rates through lines)**

Foliar Spray **Fertigation** **Seed/Clone Treatment** **Soil Prep** **Cuttings**

Please refer to Product Information Sheets for application rates.

NTS
Nutri-Tech Solutions®

Crop Phase	Key Nutrition Requirements	Suggested Products
Reproductive Transition	An application of triacontanol and kelp are recommended at the transition stage to induce reproductive growth & boost flowering potential.	Nutri-Stim Triacontanol™ Nutri-Kelp™ Cloak™ Spray Oil
	Calcium is critical for cell-division and directly affects flower size potential. Boron is vital for flower viability and is a synergist for calcium uptake. A once off foliar spray of these elements is recommended at the reproductive transition stage.	Cal-Tech™ Soluble Boron Cloak™ Spray Oil
	Leaf testing enables you to have fingertip control of inputs to fine-tune your crop nutrition program.	Plant Therapy™
Pistil Formation/ Early Flowering	It is critical to ensure plants have luxury reserves of potassium at this stage. Keep an eye out for yellowing, starting around the leaf margins, and use a plant sap potassium meter to assess K levels in the plant. Take a sample from the youngest mature leaf at the growth tip, and an old leaf on the lowest branch. If the difference in potassium level is greater than 10%, then you will need to apply more potassium.	Plant Sap Potassium Meter Potassium Silicate Cloak™ Spray Oil
	Maintain healthy plant surface ecology throughout the flowering cycle.	Nutri-Life B.Sub™ Cloak™ Spray Oil
Flower Filling	Adequate phosphorus and potassium are critical throughout flower filling, for optimum sizing and cannabinoid content. 2 – 5 weeks in to flowering, give the plants a mineral boost with a foliar spray of these elements.	Phos-Force™ Cloak™ Spray Oil
	2 weeks prior to harvest, as plant metabolic processes begin to slow, give the plants a final push with a foliar application of potassium. Plants are unable to assimilate a great deal of minerals at this stage, however potassium is unique in that it does not form an integral part of the actual plant structure, but rather plays a critical role in plant regulatory function.	K-Rich™ (can be included with Phos-Force™) Cloak™ Spray Oil
	Maintain healthy plant surface ecology throughout the flowering cycle.	Nutri-Life B.Sub™ Cloak™ Spray Oil
Stress Management	Boost resilience and decrease recovery time from abiotic/biotic stressors with natural growth promoting inputs such as kelp, fish and humates.	Nutri-Tech Black Gold® Nutri-Kelp™

Foliar Spray **Fertigation** **Seed/Clone Treatment** **Soil Prep** **Cuttings**

Please refer to Product Information Sheets for application rates.

DISCLAIMER: Please note the information and advice provided in this guide is aimed for licensed medical cannabis growers only, in areas where cultivation has been legislated. Please check with your local authorities for advice.