

Grow Program: Hemp

Greenhouse Production Vigorous Strains – Natural light with or without supplemental electric

Feeding Recommendations with Nature's Source 10-4-3 or 10-4-5

Rates based on Direct Injecting from Concentrate

Propagation Stage:

Prior to sowing seed or sticking cuttings, thoroughly drench propagation media with Nature's Source at 1:400 (300 ppm N), and Nature's Source Plant Probiotic at 8 oz. per 100 gallons. Irrigate with clear water thereafter until seedlings emerge or cuttings begin to callous, then feed at the 300 ppm rate.

** if propagation area is under a mist system then 300 ppm N is recommended once daily in the early morning for faster callousing

Transplant Stage – Week 1:

Water in thoroughly with Nature's Source at 1:400 (300 ppm N). If receiving seedlings or rooted cuttings from an outside source, add Nature's Source Plant Probiotic at 8 oz. per 100 gallons. Allow soil media to dry slightly between irrigations, skipping 1 to 3 days based upon water holding capacity of the soil media and container size.

Vegetative Stage 1 – Weeks 2–4:

Irrigate using the same rate of Nature's Source as at transplanting, 1:400 setting. Maintain evenly moist soil media irrigating every 2 days or daily if necessary; plants should not dry out.

Vegetative Stage 2 – Weeks 5–7:

Increase rate to 1:200 injector setting (600 ppm N). Maintain an evenly moist soil media irrigating every 2-3 days; plants should not dry out.

Pre-Flowering Stage – Weeks 8–10:

Decrease rate of Nature's Source to 1:400 setting. Maintain evenly moist soil media irrigating daily as needed to keep plants from drying out.

***NOTE* Good line sanitation practices are always recommended**

Nature's Source plant foods are made with oilseed extract which contains 20 plant-essential amino acids, silicon, and organic compounds, which enhance plant performance and vigor. These organic compounds will provide additional plant benefits when sprayed as a supplemental foliar application. Optimum foliar spray rates are 400-600 ppm N.

Referenced Products

Nature's Source® Professional Plant Food 10-4-3

Nature's Source® Nursery & Landscape Special Plant Food 10-4-5

Nature's Source® Plant Probiotic

Nature's Source® Foliar Essentials BioNutrition™ Spray

Note: This program assumes soil media, water source and climate control is ideal. Adjustments will also be necessary based upon a strain's growth habit and actual flower timing.

- **Soil-less Media** – Use only well drained professional soil media products with a small organic nutrient or compost component with a beginning EC under 1.5 mS/cm

- **Water Source** – Treat high alkalinity water, (above 100 ppm), with acid neutralization for a stable water pH of 6.5. High EC water, above .5 mS/cm, will require regular EC monitoring and possible remediation through leaching and/or water treatment.

- **Strain Adjustment** – Plan to reduce or eliminate the high rates in Vegetative Stage 2 for dwarf and early flowering strains; some strains may need reduction to half the recommended rate of Nature's Source Nature's Source 10-4-3 or 10-4-5.

- **Foliar Essentials BioNutrition Spray** may be applied as frequently as once a week as a supplemental spray to provide enhanced bud set and lateral branching.

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