

Grow Program: Organic Hemp

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

Feeding Recommendations with Nature's Source Organic 3-1-1

Rates based on 50/50 concentrate-water stock solution

Propagation Stage:

Prior to sowing seed or sticking cuttings, thoroughly drench propagation media with Nature's Source at 280 ppm N, and Nature's Source Plant Biotik at 8 oz. per 100 gallons. Irrigate with clear water thereafter until seedlings emerge or cuttings begin to callous, then feed at the 280 ppm rate.

** if propagation area is under a mist system then 280 ppm N is recommended each morning for faster callousing.

Transplant Stage – Week 1:

Water in thoroughly with Nature's Source at 280 ppm N, and Plant Biotik 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/or container size.

Vegetative Stage 1 – Weeks 2–4:

Irrigate using the same rate of Nature's Source Organic 3-1-1 as at transplanting, 280 ppm N. 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 360 ppm N. Maintain evenly moist soil media irrigating every two days or daily if necessary; plants should not dry out.

Pre-Flowering Stage – Weeks 8–10:

Decrease rate of Nature's Source Organic 3-1-1 to 280 ppm N. Maintain evenly moist soil media irrigating daily as needed to keep plants from drying out.

*NOTES:

- **Stock Tank solution should be kept closed and used within 12 hours**
 - **Good line sanitation practices are always recommended**
- **ALWAYS AGITATE THE PLANT FOOD BEFORE ADDING TO STOCK TANK**
And ALWAYS AGITATE THE DILUTION PRIOR TO EACH USE

Nature's Source Organic 3-1-1 is 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.

Referenced Products

Nature's Source Organic® Plant Food 3-1-1
Nature's Source® Plant Biotik™

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 Organic 3-1-1.

50/50 Concentration Injector Chart

ppm N	Setting
360	1:50
280	1:64
180	1:100

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