



↓ Associated Video

<https://youtu.be/vk2Y3esNgfU>

www.KootMed.com

Koot's - Organic Soil Mix & Feed Chart

Updated 04/14/2024

Seedling/Clones	Supplemental Top Feedings	Note: Light intensity shown in ppfd with no supplemental CO2. Adjust the schedule below as needed
Day 1 / Week 1	Microbe Mix	← Sprouts & Rooting Clones - 100-150 ppfd
Week 2	-----	
Vegetative Cycle		
Week 1	-----	← ↓ plants 3.5-4 inches tall - 200-300 ppfd
Week 2	-----	
Day 15 / Week 3	Microbe Mix	← Transplant into 1/2-1 gallon pot
Week 4	-----	↑ Early Veg - 350-400 ppfd
Week 5	-----	
Day 36 / Week 6	Microbe Mix	← Transplant into final Flowering Pot (5+gal)
Week 7	-----	↑ Mid Veg - 450 ppfd
Week 8	-----	
Day 57 / Week 9	Topdress	← Craft Blend <u>or</u> DTE *** & MicrobeMix (Bio-Phos)
	↑ Pre-Flower ↑	↑ 1 Week Before Flip Late Veg 500-550 ppfd
Flower Cycle		
Day 1 / Week 1	-----	← Flip to Flower - 650-750 ppfd (Week 1 of Flower)
Day 8 / Week 2	-----	← Weeks 2 & 3 of Flower - 800-850 ppfd
Day 15 / Week 3	Topdress	← Craft Blend <u>or</u> DTE *** & MicrobeMix (Bio-Phos)
Day 22 / Week 4	-----	← 850-950 ppfd
Week 5	Coconut Wtr †	↑ (strain specific)
Day 36 / Week 6	Topdress	← Craft Blend <u>or</u> DTE *** & MicrobeMix (Bio-Phos)
Day 43 / Week 7	Coconut Wtr †	↑ 1-2 Tbsp/gal (See Notes ****) →
Day 50 / Week 8	Coconut Wtr †	← BuildASoil Coconut Water Powder + Quillaja †
Day 57 / Week 9	-----	
Week 10	-----	← ↑ 800-850 ppfd - reduced last 7-10 days (optional)

Legend

█ = Minimal Required Inputs. All other inputs are optional.

[N] = nitrogen [P] = phosphorus [K] = potassium

Tbsp=Tablespoon tsp=teaspoon cf=Cubic Foot gal=Gallon ml=Milliliters oz=Ounce

5 ml = 1 tsp 3 tsp = 1 Tbsp 1 Tbsp = 0.50 oz 1 oz = 2 Tbsp 1 Cup = 16 Tbsp or 8 oz

Note: All gal dosages are in liquid gallons unless otherwise noted.

** (DTE-VG) = Down to Earth Vegetable Garden 4-4-4 or Gaia Green All Purpose 4-4-4

↑ (May be used in Veg Cycle in Place of BuildASoil Craft Blend)

*** (DTE-R&F) = Down to Earth Rose & Flower 4-8-4 or Gaia Green Power Bloom 2-8-4

↑ (May be used in Flower Cycle in Place of BuildASoil Craft Blend)

† Coconut Wtr = BuildASoil Coconut Water Powder plus Quillaja (wetting agent)

Watering/Feeding Notes

All Waterings & MicrobeMix applications should be applied with

Minimal to No Runoff (feed 5%-10% per volume-pot size).

Feed straight water the last 2 weeks of flower.

*Adjust pH of waterings & feedings to 6.5-7.3 pH (when needed).

Photone Grow Light Meter (Phone App Video) ↓

<https://youtu.be/VcLKqJCwv>

Download App: <https://growlightmeter.com>

Seed & Clone Soaking Mixture

1/4 tsp - BuildASoil Horticultural Aloe / 8oz of water

plus 1/4 tsp - Coconut Water Powder - Raw Freeze Dried Organic / 8oz of water

Soak seeds or clone cuttings in the above mixture 12-24 hours.

One Time Root Inoculation

@ transplant: → 1/8 tsp /plant - BuildASoil Beauveria Bassiana Plus - Powder (*Direct Root Application*)

or 1/2 tsp /gal - BuildASoil Beauveria Bassiana Plus - Powder (*Watered in with Microbe Mix*)

Seedling Starting Soil Mix

Mix 50% Foxfarm Ocean Forest (*Screened 4.5mm or 3/16"*) + 50% Canna Coco

plus 1 Tbsp/gal (pot size) - *Earthworm Castings/Vermicompost*

optional → plus 1/2 Tbsp/gal (pot size) - *MontanaGrow Silica Amendment* (source of silicon)

Veg & Flower Soil Mix

Foxfarm Ocean Forest (1.5cf bag of Potting Soil)

plus 3 Tbsp/gal (pot size) or 15 oz/1.5cf bag - BuildASoil Craft Blend 3-5-2 **

plus 6 Tbsp/gal (pot size) or 3.75 cups/1.5cf bag - *Earthworm Castings/Vermicompost*

Recommended when using Autopots → plus 3/4-1 cup/gal (pot size) or 7.5-10 cups/1.5cf bag - *BuildASoil Pumice* (*improves drainage*)

optional → plus 1 Tbsp/gal (pot size) or 5 oz/1.5cf bag - *MontanaGrow Silica Amendment* (source of silicon)

optional → plus 1 tsp /gal (pot size) or 10 tsp /1.5cf bag - *Diamond K Gypsum - SG* (*Sulfur & Quick Release Calcium*)

optional → plus 1 Tbsp/gal (pot size) or 5 oz/1.5cf bag - *Fish Bone Meal* (*Phosphorus & Slow Release Calcium*)

optional → plus 1 Tbsp/gal (pot size) or 5 oz/1.5cf bag - *Premium Insect Frass* (*source of Chitin*)

Topdressing

Craft Blend for Veg & Flower: → 3 Tbsp/gal (pot size) - *BuildASoil Craft Blend 3-5-2* (** DTE-VG or *** DTE-R&F)

optional → 1 Tbsp/gal (pot size) - *MontanaGrow Silica Amendment* (source of silicon)

optional → 1 tsp /gal (pot size) - *Fish Bone Meal* (*source of Phosphorus & Slow Release Calcium*)

optional → 1/2-1 Tbsp/gal (pot size) - *Clackamas Coots Gnarly Barley* - *grind up in coffee grinder* (*beneficial enzymes*)

optional → 1 Tbsp/gal (pot size) - *Premium Insect Frass* (*source of Chitin*)

1/2-1 inch Layer - *Earthworm Castings/Vermicompost* (*Applied On Top & Watered In With Microbe Mix*)

Apply topdressing every 3-4 weeks. Scratch topdressing into top layer of soil, add 1/2-1 inch layer of Earth Worm Castings/Vermicompost

on top and water in with Microbe Mix. **** Week 6 of flower topdressing may not be required for 10 gallon pots. & above, in which case apply Microbe Mix in place of the Topdressings. Week 6 of flower topdressing may optionally be reduced in strength

to 1-2 Tbsp/gal (pot size) depending on specific strain/pheno needs.

Microbe Mix

Apply every 2-3 Weeks and @ Transplants. Apply 1/2 strength for seedlings & clones.

Seedlings/Clones/Veg: → 1 tsp /gal - *Rootwise Mycrobe Complete* and 1 tsp /gal - *Rootwise Bio-Catalyst*

Flower: → 1 tsp /gal - *Rootwise Bio-Phos* and 1 tsp /gal - *Rootwise Bio-Catalyst*

wetting agent → 1/8 tsp /gal - *Jay Plantspeaker's Quillaja Saponaria Extract 60* or 1/2 tsp /gal *Extract 20*

optional → 1/2 Tbsp/gal - *Plantation Organic Blackstrap Unsulfured Molasses* (*beneficial sugars*)

optional → 1 tsp /gal - *BuildASoil Coconut Water Powder - Raw Freeze Dried Organic* (*beneficial sugars*)

optional → 1 tsp /gal - *BuildASoil Horticultural Aloe*

Not used for clones/seedlings → 1 tsp /gal - *Diamond K Gypsum - Solution Grade* (*Sulfur & Quick Release Calcium*)

Not used for clones/seedlings → 1/4-1/2 tsp /gal - *BuildASoil BIG 6 Micronutrients + Humic Acid*

Not used for clones/seedlings → 2-4 Tbsp/gal - *Thrive Probiotics Yah-Whey* (*beneficial enzymes*)

Not used for clones/seedlings → 1/2 tsp /gal - *Ferti-Fulvic Plus* (*fulvic acid - increases nutrient uptake*)

Top Feed with **Minimal to No Runoff** (5%-10% per volume-pot size).*

Optional Fertigation → 1 Tbsp/gal - *Neptune's Harvest Seaweed Plant Food 0-0-1* or *Fish & Seweed Blend 2-3-1*

Not used for clones/seedlings ↑ or ↑ *Tomato & Veg 2-4-2* or *Rose & Flowering 2-6-4* or *Organic Gem Fish Hydrolysate 3-3-0.3*

May be added to Microbe Mix or be used every 1-2 weeks in place of topdressing if run out of space in pot.

Additional Downloads Available @ The Links Below:

Bookmark → <https://www.kootmed.com/Feeding.html>

Bookmark → <https://www.dropbox.com/sh/qo041z2qufsc6m/AACSD3qbtVhrKp76HcHAo7Bia?dl=0>