



Associated Video ↓



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Koot's - Organic Soil Mix & Feed Chart

Updated 11/30/2023

Note: Light intensity shown in ppfd with no supplemental CO2.

Seedling/Clones	Supplemental Top Feedings	Adjust the schedule below as needed 3.5-4 inch pots used for seedling & clones
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	-----	
Week 3	Microbe Mix	← Transplant into 1/2-1 gallon pot
Week 4	-----	↑ Early Veg - 350-400 ppfd
Week 5	-----	
Week 6	Microbe Mix	← Transplant into final Flowering Pot (5+gal)
Week 7	-----	↑ Mid Veg - 450 ppfd
Week 8	-----	
Week 9	Topdress ↑ Pre-Flower ↑	← Craft Blend or DTE *** & MicrobeMix(Bio-Phos) ↑ 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 7 / Week 2	-----	← Weeks 2 & 3 of Flower - 800-850 ppfd
Day 14 / Week 3	Topdress	← Craft Blend or DTE *** & MicrobeMix(Bio-Phos)
Week 4	-----	← 900-950 ppfd ↑ (See Notes ****)
Week 5	-----	↑ (strain specific)
Day 35 / Week 6	Topdress	← Craft Blend or DTE *** & MicrobeMix(Bio-Phos)
Week 7	-----	↑ (See Notes ****)
Day 49 / Week 8	Microbe Mix	← MicrobeMix(Bio-Phos)
Week 9	-----	
Week 10	-----	← ↑ 800-850 ppfd - reduced last 7-10 days (optional)

Legend

[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.

* BuildASoil Craft Blend 3-5-2 (used in place of DTE & Gaia Green products below)

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

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

 = Minimal Inputs. All other inputs are optional.

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/VclKqjCwvc>

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 @ transplant: → 1/4 **tsp** /gal - BuildASoil Beauveria Bassiana Plus - Powder (Water In Application with Wetting Agent)

or @ transplant: → 1/2-1 ml/gal - BuildASoil Beauveria Bassiana - Water Soluble (Water In Application)

Seeding & Clone Soil Mix

Mix of 50% Foxfarm Ocean Forest (Potting Soil) and 50% Canna Coco

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

Veg & Flower Soil Mix

Foxfarm Ocean Forest (1.5cf bag of Potting Soil)

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

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

Exclude if using Craft Blend: → **or** 3 Tbsp/gal (pot size) **or** 15oz /1.5cf bag - DTE-VG 4-4-4 ** (use in place of Craft Blend above)

optional → **plus** 1.5 Tbsp/gal (pot size) **or** 15 Tbsp /1.5cf bag - MontanaGrow Silica Amendment (source of Silicon)

optional → **plus** 1 Tbsp/gal (pot size) **or** 10 Tbsp/1.5cf bag - Premium Insect Frass (source of Chitin)

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** 10 Tbsp/1.5cf bag - Fish Bone Meal (Phosphorus & Slow Release Calcium)

optional → **plus** 1 cup/gal (pot size) **or** 10 cups/1.5cf bag - BuildASoil Pumice (improves drainage)

Topdressing ††††

Apply every 3-4 Weeks.

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

or DTE for Veg: → 3 Tbsp/gal (pot size) - DTE-VG 4-4-4** (Exclude if using Craft Blend)

or DTE for Flower: → 3 Tbsp/gal (pot size) - DTE-R&F 4-8-4*** (Exclude if using Craft Blend)

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

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

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

†††† See Application Notes

Use in place of topdressing → 1 Tbsp/gal - Organic Gem Fish Hydrolysate 3-3-0.3 **or** Neptune's Harvest Tomato & Veg 2-4-2

↑ when out of space in pot **or** Neptune's Harvest Rose & Flowering 2-6-4 (in flower stage)

↑ applied once every 1-2 weeks. Skip application when applying Microbe Mix.

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

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

optional → 1 **tsp** /gal - Diamond K Gypsum - Solution Grade (Sulfur & Quick Release Calcium)

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

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

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

optional → 2-4 Tbsp/gal - Thrive Probiotics Yah-Whey (used when topdressing)

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

†††† Topdressing & Application Notes

Apply topdressing every 3-4 weeks. Scratch topdressing into top layer of soil, add 1/2-1 inch layer of worm castings on top and water in with Microbe Mix. **** Topdressing weeks 3 & 6 of flower **May Not Be Required** for 10 gallon pots & above **or** when using Neptune's Harvest Tomato & Veg **or** Rose & Flowering, in which case apply Microbe Mix in place of the Topdressings.

Note: Week 6 topdressing may optionally be reduced to 1/2-1/3 strength depending on specific strain/pheno needs.

Additional Downloads Available @ The Links Below:

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

Bookmark → <https://www.dropbox.com/sh/qo0041z2gufsc6m/AACSD3qbtVhrKp76HcHAo7Bia?dl=0>