DRIPMAN® FERTILIZER FEED SCHEDULE for CANNABACEAE CROPS

DRIPMAN PLANT PRODUCTS

Follow the DRIPMAN® FERTILIZER FEED SCHEDULE when fertilizing crops of **Cannabaceae** (a biological class of plants which includes the **Cannabis (hemp, marijuana)**, **Humulus (hops)** and **Celtis (hackberries)**). Dripman scientists have designed our products to deliver specific **parts per million (ppm)** of each required nutrient (specific to the exact phase of growth). The **pH** is preset when used as directed. This feed schedule can be **used for cannabis, hemp & hops in hydroponics, aeroponics or soil crops (on a field or in pots)**.
ALWAYS pour the water first and then add the nutrients to the water, not the other way around.

pH Tips
CHECK TWICE DAILY!!
For best results, maintain nutrient solution pH 5.5 to 6.5
a. Hydroponic Seedlings = pH 5.5
b. Hydroponic Growth phase = pH 5.8
c. Hydroponic Transition phase = pH 5.9
d. Hydroponic Early Bloom = pH 6 to 6.2
e. Hydroponic Late Bloom = pH 6.4
Soil is more forgiving than hydroponics = pH 6.3 to 6.5

Useful Conversions		
1 TSP	=	5 mL
1 TBSP	=	15 mL
1 oz	=	30 mL
1 Qt	=	946 mL
1 Gal	=	3.785 L
1 Gal	=	128 oz.

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For further questions or explanations, please contact
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Growth Phase:	SEEDS	ESTABLISHMENT	VEGETATIVE GROWTH		
Duration in Days or Weeks:	2 to 7 days	1-2 weeks	2 to 6 weeks		
Growth Sub-Phase:	Seed / Germination	Seedling / Clone	Early Growth	Mid Growth	Late Growth
Light (hours):	0	18 to 24	13 to 24	13 to 24	13 to 24
Humidity (%) Range:	65% to 85%	65% to 85%	55% to 70%	55% to 70%	55% to 70%
DAY / Temp. °F (°C) / NIGHT	77°F (25°C) / 70°F (22°C)	77°F (25°C) / 70°F (22°C)	77°F (25°C) / 70°F (21°C)	77°F (25°C) / 70°F (21°C)	77°F (25°C) / 70°F (21°C)
Gas-Burner CO2 ppm (>3000 ppm danger)	1200 to 2000	1200 to 2000	1200 to 2000	1200 to 2000	1200 to 2000
Feeding Reservoir pH: 5.5 to 6.4	5.5 to 5.6	5.5 to 5.6	5.7 to 5.8	5.7 to 5.8	5.7 to 5.8
Electrical Conductivity (EC) (ms/cm):	0.1 to 0.7	0.2 to 0.7	0.9 to 1.2	1 to 1.6	1 to 1.8
Conductivity Factor (CF):	1 to 7	2 to 7	9 to 12	10 to 16	10 to 18
USA (Hanna, Milwaukee) ppm:	50 to 350	100 to 350	450 to 600	500 to 800	500 to 900
European (Eutech) ppm:	64 to 448	128 to 448	576 to 768	640 to 1024	640 to 1152
Australian (Truncheon) ppm:	70 to 490	140 to 490	630 to 840	700 to 1120	700 to 1260

	Per Litre / Per Quart	Per 15 L / Per 4 Gal.	Per 190 L / Per 50 Gal.	Per Litre / Per Quart	Per 15 L / Per 4 Gal.	Per 190 L / Per 50 Gal.	Per Litre / Per Quart	Per 15 L / Per 4 Gal.	Per 190 L / Per 50 Gal.	Per Litre / Per Quart	Per 15 L / Per 4 Gal.	Per 190 L / Per 50 Gal.	Per Litre / Per Quart	Per 15 L / Per 4 Gal.	Per 190 L / Per 50 Gal.
MICRO (mL)	1.0	15	190	0.5	8	95	1.0	15	190	1.0	15	190	1.0	15	190
GROW (mL)	2.0	30	380	1.0	15	190	2.0	30	380	2.0	30	380	2.0	30	380
BLOOM (mL)															
FINISH (mL)															
PROGUARD (mL)	1.0	15	190	0.5	8	95	1.0	15	190	1.0	15	190	1.0	15	190
NUTRIBOOST (mL)	1.0	15	190	2.0	30	380	1.0	15	190	1.0	15	190	1.0	15	190
29% HYDROGEN PEROXIDE (mL) **	1.0	15	190	0.5	8	95	1.0	15	190	1.0	15	190	1.0	15	190
SUPER MOIST (mL) **	0.3	3.5	57	0.2	1.8	28.5	0.3	4	57	0.3	4	57	0.3	4	57

**** WARNING: FOLIAR SPRAY RATES ARE DIFFERENT: 29% H2O2 1mL per Litre Foliar Spray & Super Moist Foliar Spray Rate = 1 ot 100 (up 150)**

Growth Phase:	TRANSITION	BLOOMING / FLOWERING			FINISH
Duration in Weeks:	2 to 7 days	2 to 5 weeks		1 week	1 week
Growth Sub-Phase:	Pre-Flowering	Early Bloom / Flowering	Mid Bloom / Flowering	Peak Bloom / Flowering / Flush	Finish / Flush / Perfecting
Light (hours):	13 to 24	12 to 16	12 to 16	12 to 16	16 to 18
Humidity:	40% to 55%	40% to 50%	40% to 45%	35% to 45%	30% to 40%
DAY / Temperature °F (°C) / NIGHT	73°F (23°C) / 70°F (21°C)	72°F (22°C) / 70°F (21°C)	72°F (22°C) / 70°F (21°C)	72°F (22°C) / 70°F (21°C)	72°F (22°C) / 70°F (21°C)
s-Burning for CO2 ppm (>3000 ppm danger)	1200 to 2000	1200 to 2000	1200 to 2000	1200 to 2000	1200 to 2000
Feeding Reservoir pH: 5.5 to 6.4	5.8 to 5.9	6.0 to 6.2	6.0 to 6.4	6.0 to 6.4	6.0 to 6.4
Electrical Conductivity (EC) (ms/cm):	1.1 to 1.8	1.1 to 1.8	1.2 to 1.8	1.2 to 1.8	0.1 to 0.4
Conductivity Factor (CF):	11 to 18	11 to 18	12 to 18	12 to 18	1 to 4
USA (Hanna, Milwaukee) ppm (EC X 0.7):	550 to 900	550 to 900	600 to 900	600 to 900	50 to 200
European (Eutech) ppm:	704 to 1152	704 to 1152	768 to 1152	768 to 1152	64 to 256
Australian (Truncheon) ppm:	770 to 1260	770 to 1260	840 to 1260	840 to 1260	70 to 280

	Per Litre / Per Quart	Per 15 L / Per 4 Gal.	Per 190 L / Per 50 Gal.	Per Litre / Per Quart	Per 15 L / Per 4 Gal.	Per 190 L / Per 50 Gal.	Per Litre / Per Quart	Per 15 L / Per 4 Gal.	Per 190 L / Per 50 Gal.	Per Litre / Per Quart	Per 15 L / Per 4 Gal.	Per 190 L / Per 50 Gal.	Per Litre / Per Quart	Per 15 L / Per 4 Gal.	Per 190 L / Per 50 Gal.
MICRO (mL)	1.0	15	190	1.0	15	190	1.0	15	190	0.5	8	95			
GROW (mL)	2.0	30	380												
BLOOM (mL)				2.5	38	475	2.5	38	475	1.0	15	190			
FINISH (mL)													7.0	105	1330
PROGUARD (mL)	1.0	15	190	1.0	15	190	1.0	15	190	0.5	8	95			
NUTRIBOOST (mL)	1.0	15	190	0.5	8	95	1.0	15	190	1.0	15	190	2.0	30	380
29% HYDROGEN PEROXIDE (mL) **	1.0	15	190	1.0	15	190	1.0	15	190	1.0	15	190	2.0	30	380
SUPER MOIST (mL) **	0.3	4	57	0.3	4	57	0.3	4	57	0.3	4	57	0.3	4	57