



# PLANT GROWTH GUIDE

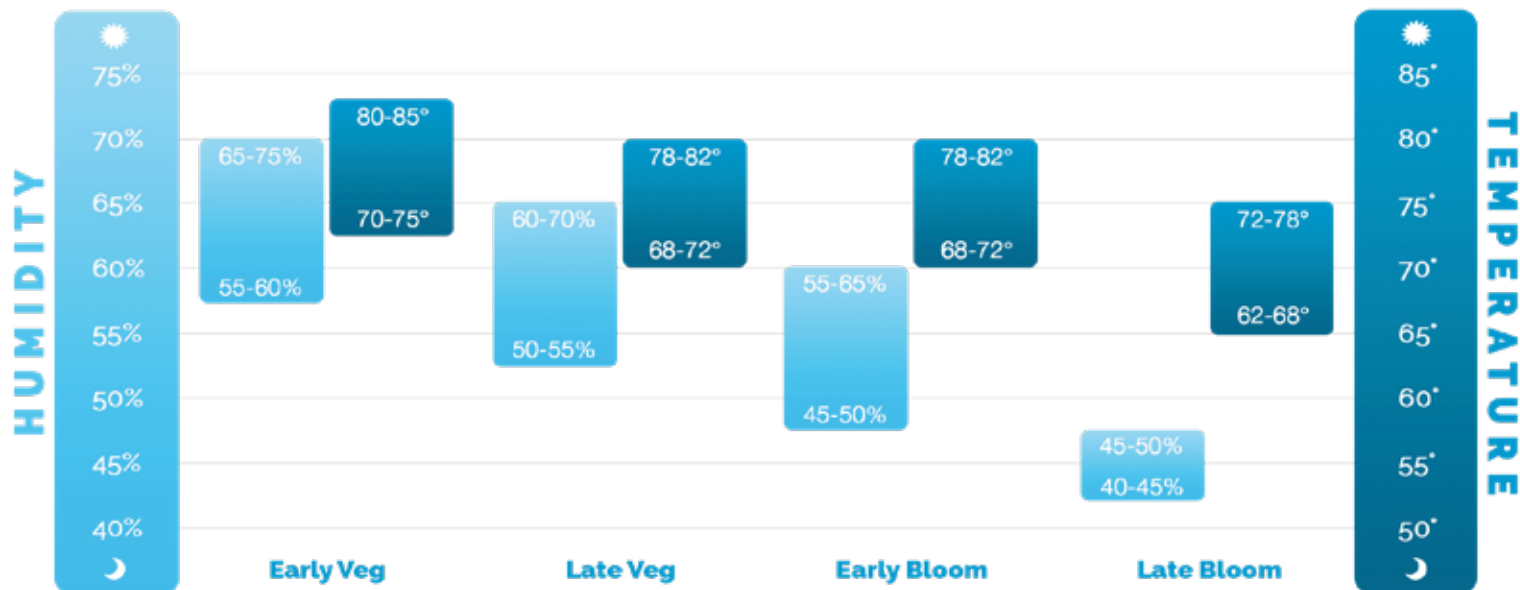
<b>1-2</b>	.....Recommendations
<b>2-9</b>	.....Component Series™
<b>10</b>	.....Billions
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## WELCOME TO TPS!

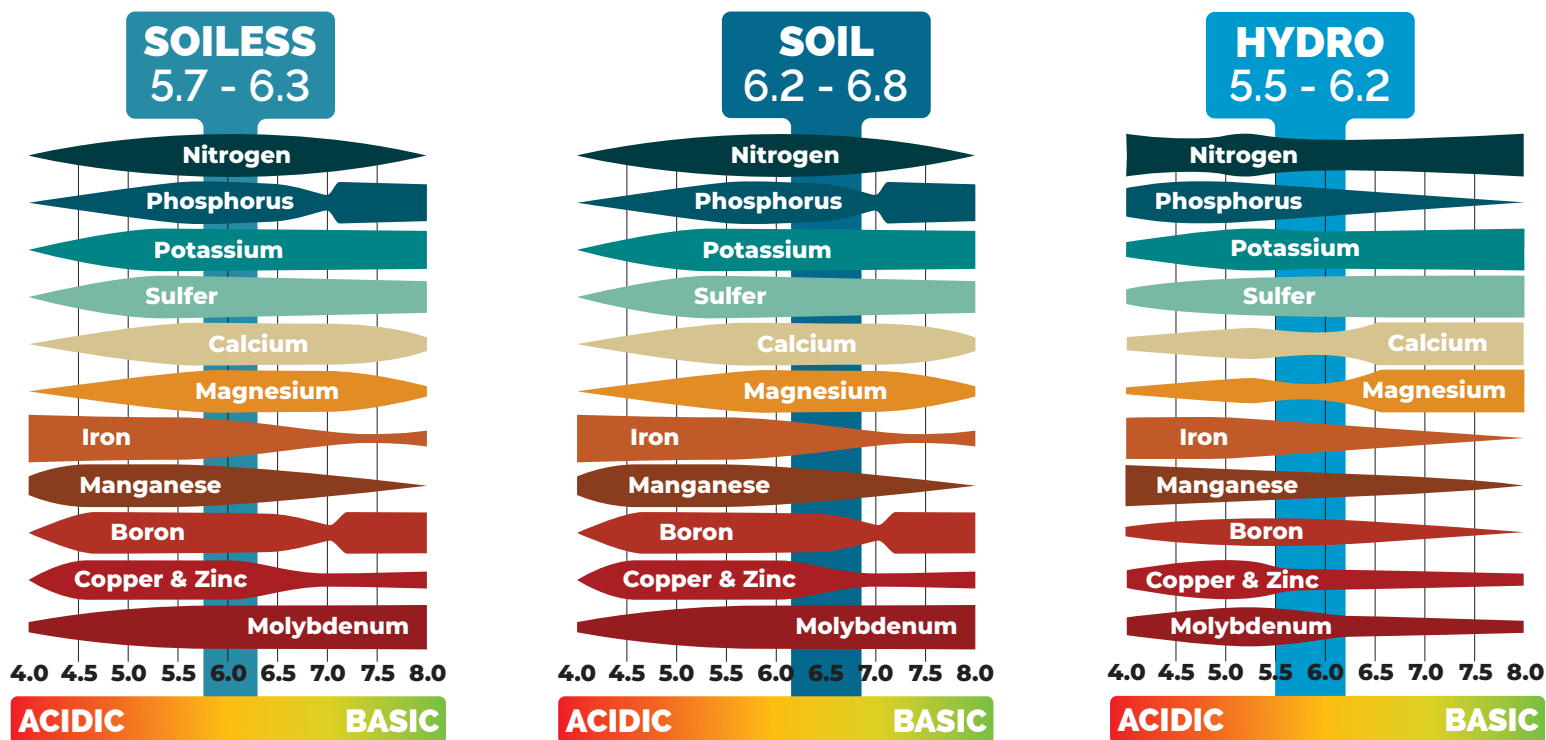
Thank you for bringing TPS Nutrients® into your garden. This guide offers suggestions for the most effective use of your fertilizers and to help your plants thrive in the very best growing conditions.

- The TPS Team

## IDEAL ENVIROMENT FOR YOUR PLANTS



## TARGET PH RANGES



## MUNICIPAL OR TAP WATER

In most parts of the country, there is no need to pre-treat city water before feeding your plants. Generally, municipal or tap water has a balanced pH and inherent buffering capacity. If your tap water PPM is very high, eg. above 250PPM, consider using filtration to reduce the dissolved minerals before adding fertilizer.

## WELL WATER

If your well has hard water and contains calcium carbonate or magnesium carbonate, it is best to treat the water first before adding fertilizer. If you don't have a well water treatment system, the easiest way to do this is to soften the water by adding a small amount of Citric Acid. Aim for a slightly acidic pH of 6.0 then mix the water thoroughly before adding fertilizer.

## REVERSE OSMOSIS (RO) WATER

This type of water source needs to be buffered to avoid pH issues. You can buffer your RO water with 30-50% tap (city) or well water. Alternatively, you can add a few mL per gallon of pH Up then a few mL of pH down to add buffering capacity. Mix thoroughly before adding any fertilizer.

# COMPONENT SERIES

The TPS Component Series™ is the most accurate way to feed your plants. This suite of products can be used as supplements to your current feed regimen or as a system by following one of our feed charts on pages 7 - 9. For more information or additional feed charts visit [tpsnutrients.com](http://tpsnutrients.com)



A: 1.6 - 3.0 - 6.8  
B: 2.5 - 4.2 - 1.8

## BASE A&B FOUNDATIONAL NUTRIENTS

Base A & Base B include foundational nutrients for plants designed for use in indoor and outdoor growing environments. They are 100% water-soluble and provide immediate nutrition for plant uptake. They are made of very high quality inputs and can be used on all plants, from edible plants to ornamentals. Base A&B are designed to be used together with every feeding.

## USAGE INSTRUCTIONS

Use for the entire lifecycle of the plant.



### BASIC

Once a week, add 10 mL (2 tsp) of Base A and Base B per gallon of feedwater.

### ADVANCED

With every watering add 3-9 mL (0.6-1.8 tsp) of Base A and Base B per gallon of feedwater.

Recommended pH: 5.5 - 6.8

## ADVANCED FEEDCHART FOR AMENDED SOIL

mL/Gal	SEEDLING / CLONE		EARLY VEG		MID-LATE VEG				EARLY BLOOM		MID BLOOM			OPTIONAL FLUSH	LATE BLOOM			OPTIONAL FLUSH
WEEK	1	2	3	4	5	6	7	8	1	2	3	4	5		6	7	8	
Base A	3	3	4	4	5	5	6	6	7	7	6	6	6		5	5	5	
Base B	3	3	4	4	5	5	6	6	7	7	6	6	6		5	5	5	

Additional feedcharts on pages 7-9



0 - 0 - 1.3

## SILICA GOLD

### SILICA FOR PLANTS

Silica Gold is a silicon and potassium supplement for plants designed for use in indoor and outdoor growing environments. It is 100% water-soluble and provides immediate silicon for plant uptake. Silicon is known to strengthen stems and increase plant resilience. The other element, potassium, is critical in regulating water flow in and out of plants from the roots to the canopy. Silica Gold works great on all plants!

#### FOLIAR SPRAY (Optional)

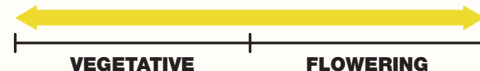
Lightly mist leaves once to twice weekly, add 10 mL (2 tsp) per gallon or 2.5 mL (1/2 tsp) per quart.

#### GROW TIP!

Silica Gold is best added first to your feedwater before other nutrients, this helps increase bio-availability.

### USAGE INSTRUCTIONS

Use for the entire lifecycle of the plant.



#### BASIC

Once a week, add 5-10 mL (1-2 tsp) per gallon of feedwater.

#### ADVANCED

With every watering, add 2-5 mL (0.4-1 tsp) per gallon of feedwater.

Recommended pH: 5.5 - 6.8

### ADVANCED FEEDCHART FOR AMENDED SOIL

mL/Gal	SEEDLING / CLONE		EARLY VEG		MID-LATE VEG				EARLY BLOOM		MID BLOOM			OPTIONAL FLUSH	LATE BLOOM			OPTIONAL FLUSH
WEEK	1	2	3	4	5	6	7	8	1	2	3	4	5		6	7	8	
Silica Gold	2	2	2	2	2	2	3	3	3	3	3	3	3		3	2		

Additional feedcharts on pages 7-9



3.3 - 0 - 0

## N-PRIMER

### NITROGEN FOR PLANTS

N-Primer is an ultra-high quality nitrogen supplement for plants, and is designed for use in indoor and outdoor growing environments. It provides a steady-release source of nitrogen that is powerful but won't burn plants. Nitrogen is required for all aspects of plant growth. This nitrogen supplement can be used with all other fertilizers and on all plants.

#### FOLIAR SPRAY (Optional)

Lightly mist leaves once to twice weekly, add 10 mL (2 tsp) per gallon or 2.5 mL (1/2 tsp) per quart.

#### GROW TIP!

N-Primer is a large molecule nitrogen source, and won't show up on your nutrient meter. Make sure to follow the feed chart instead of your PPM meter when adding N-Primer.

### USAGE INSTRUCTIONS

Use from seedling/clone to early flowering.



#### BASIC

Once a week, add 5-10 mL (1-2 tsp) per gallon of feedwater.

#### ADVANCED

With every watering, add 2-4 mL (0.4-0.8 tsp) per gallon of feedwater.

Recommended pH: 5.5 - 6.8

### ADVANCED FEEDCHART FOR AMENDED SOIL

mL/Gal	SEEDLING / CLONE		EARLY VEG		MID-LATE VEG				EARLY BLOOM		MID BLOOM			OPTIONAL FLUSH	LATE BLOOM			OPTIONAL FLUSH
WEEK	1	2	3	4	5	6	7	8	1	2	3	4	5		6	7	8	
N-Primer	2	2	3	3	3	3	3	3	3	3								

Additional feedcharts on pages 7-9



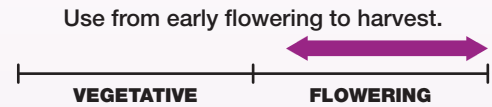
0 - 0 - 3.1  
**SIGNAL**  
**TERPENE ENHANCER**

Signal is a potassium supplement designed for use in indoor and outdoor growing environments. It is 100% water-soluble and provides immediate potassium for plant uptake. Potassium is an important plant-signaling electrolyte in the flowering stage.

**GROW TIP!**  
Signal can also be used as a flushing agent at 4-6 mL per gallon, and is effective right up until the day of harvest!

**FOLIAR SPRAY (Optional)**  
Lightly mist leaves once to twice weekly, add 10 mL (2 tsp) per gallon or 2.5 mL (1/2 tsp) per quart.

**USAGE INSTRUCTIONS**



**BASIC**  
Once a week, add 5-10 mL (1-2 tsp) per gallon of feedwater.

**ADVANCED**  
With every watering, add 2-5 mL (0.4-1 tsp) per gallon of feedwater.

Recommended pH: 5.5 - 6.8

**ADVANCED FEEDCHART FOR AMENDED SOIL**

mL/Gal	SEEDLING / CLONE		EARLY VEG		MID-LATE VEG				EARLY BLOOM		MID BLOOM			OPTIONAL FLUSH	LATE BLOOM			OPTIONAL FLUSH
WEEK	1	2	3	4	5	6	7	8	1	2	3	4	5		6	7	8	
Signal										2	2	3	3		3-4	3-4	3-4	

Additional feedcharts on pages 7-9

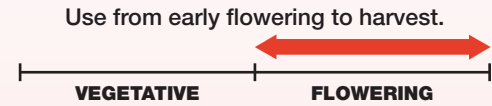


0.4 - 5.0 - 3.0  
**BLOOM**  
**NITROGEN FERTILIZER**

Bloom is a bud booster and flower hardener made of phosphorus and potassium, and is designed for use in indoor and outdoor growing environments. It is 100% water-soluble and provides immediate phosphorus and potassium for plant uptake. Phosphorus and potassium are critical for flower onset and growth.

**FOLIAR SPRAY (Optional)**  
Lightly mist leaves once to twice weekly, add 10 mL (2 tsp) per gallon or 2.5 mL (1/2 tsp) per quart.

**USAGE INSTRUCTIONS**



**BASIC**  
Once a week, add 5-10 mL (1-2 tsp) per gallon of feedwater.

**ADVANCED**  
With every watering, add 2-5 mL (0.4-1 tsp) per gallon of feedwater.

Recommended pH: 5.5 - 6.8

**ADVANCED FEEDCHART FOR AMENDED SOIL**

mL/Gal	SEEDLING / CLONE		EARLY VEG		MID-LATE VEG				EARLY BLOOM		MID BLOOM			OPTIONAL FLUSH	LATE BLOOM			OPTIONAL FLUSH
WEEK	1	2	3	4	5	6	7	8	1	2	3	4	5		6	7	8	
Bloom									2	2	3-4	3-4	3-4		2	2		

Additional feedcharts on pages 7-9



4.0% Ca, 1.0% Mg

## CAL-MAG OAC

### ORGANIC CAL-MAG

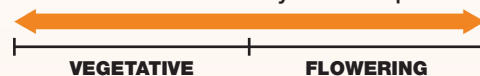
Cal-Mag OAC is certified for use on organic plants. It is a calcium, magnesium, and micronutrient supplement designed for use in indoor and outdoor growing environments. It is 100% water-soluble and provides immediate calcium and magnesium for plant uptake. Calcium and magnesium are required for strong cell walls and photosynthesis. Additionally, micronutrients help correct common deficiencies, including blossom end rot.

#### FOLIAR SPRAY (Optional)

Lightly mist leaves once to twice weekly, add 10 mL (2 tsp) per gallon or 2.5 mL (1/2 tsp) per quart.

### USAGE INSTRUCTIONS

Use for the entire lifecycle of the plant.



#### BASIC

Once a week, add 5-10 mL (1-2 tsp) per gallon of feedwater.

#### ADVANCED

With every watering, add 1-3 mL (0.2-0.6 tsp) per gallon of feedwater.

Recommended pH: 5.5 - 6.8

### ADVANCED FEEDCHART FOR AMENDED SOIL

mL/Gal	SEEDLING / CLONE		EARLY VEG		MID-LATE VEG				EARLY BLOOM		MID BLOOM			OPTIONAL FLUSH	LATE BLOOM			OPTIONAL FLUSH
WEEK	1	2	3	4	5	6	7	8	1	2	3	4	5		6	7	8	
CalMag OAC		1	2	2	2	2	2	2	2	2	2	2	2		2	2		

Additional feedcharts on pages 7-9



4.0 - 0 - 0

## CAL-MAG COMPLETE

### PLUS NITROGEN, IRON, AND MICROS

Cal-Mag Complete is a calcium, magnesium, and micronutrient supplement designed for use in indoor and outdoor growing environments. It is 100% water-soluble and provides immediate calcium and magnesium for plant uptake. Calcium and magnesium are required for strong cell walls and photosynthesis and micronutrients help correct common deficiencies.

#### FOLIAR SPRAY (Optional)

Lightly mist leaves once to twice weekly, add 10 mL (2 tsp) per gallon or 2.5 mL (1/2 tsp) per quart.

### USAGE INSTRUCTIONS

Use for the entire lifecycle of the plant.



#### BASIC

Once a week, add 5-10 mL (1-2 tsp) per gallon of feedwater.

#### ADVANCED

With every watering, add 1-3 mL (0.2-0.6 tsp) per gallon of feedwater.

Recommended pH: 5.5 - 6.8

### ADVANCED FEEDCHART FOR AMENDED SOIL

mL/Gal	SEEDLING / CLONE		EARLY VEG		MID-LATE VEG				EARLY BLOOM		MID BLOOM			OPTIONAL FLUSH	LATE BLOOM			OPTIONAL FLUSH
WEEK	1	2	3	4	5	6	7	8	1	2	3	4	5		6	7	8	
CAL-MAG COMPLETE		1	2	2	2	2	2	2	2	2	2	2	2		2	2		

Additional feedcharts on pages 7-9





## 2.0% Mg CANOPY BOOST

### FOLIAR LEAF SPRAY

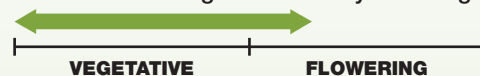
Canopy Boost is a concentrated foliar magnesium supplement designed for use in indoor and outdoor growing environments. It is 100% water-soluble and provides immediate magnesium for plant uptake. Magnesium is a critical component of photosynthesis and energy production. Foliar spraying is a great way to balance nutrition in fast growing plants.

#### GROW TIP!

For best results, make sure to apply Canopy Boost within 4 hours mixing.

#### USAGE INSTRUCTIONS

Use from seedling/clone to early flowering.



**YOUNG PLANTS** (From cutting/seedling to 12")  
Spray plants once or twice weekly at 5-10 mL (1-2 tsp) per gallon OR 1.25-2.5 mL (1/4-1/2 tsp) per quart.

**MATURE PLANTS** (Over 12")  
Spray plants once or twice weekly at 10-20 mL (2-4 tsp) per gallon OR 2.5-5 mL (1/2-1 tsp) per quart.

#### ADVANCED FEEDCHART FOR AMENDED SOIL

mL/Gal	SEEDLING / CLONE		EARLY VEG		MID-LATE VEG				EARLY BLOOM		MID BLOOM			OPTIONAL FLUSH	LATE BLOOM			OPTIONAL FLUSH
WEEK	1	2	3	4	5	6	7	8	1	2	3	4	5		6	7	8	
Canopy Boost	5	5	10	15	15	20	20	20	20	20								

Additional feedcharts on pages 7-9



## 1.4 - 3.2 - 0.7 ROOT BOOST

### ROOT BOOSTER FOR PLANTS

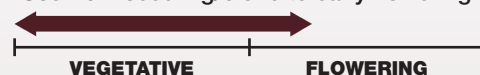
Root Boost is a rooting supplement designed for use in indoor and outdoor growing environments. It is 100% water-soluble and provides immediate nutrients for plant uptake. Faster growing root systems produce bigger plants and heartier crops. Root Boost is made of very high quality inputs and can be used on all plants.

#### FOLIAR SPRAY (Optional)

Lightly mist leaves once to twice weekly, add 10 mL (2 tsp) per gallon or 2.5 mL (1/2 tsp) per quart.

#### USAGE INSTRUCTIONS

Use from seedling/clone to early flowering.



#### BASIC

Once a week, add 5 mL (1 tsp) per gallon of feedwater.

#### ADVANCED

With every watering, add 1-2 mL (0.2-0.4 tsp) per gallon of feedwater.

Recommended pH: 5.5 - 6.8

#### ADVANCED FEEDCHART FOR AMENDED SOIL

mL/Gal	SEEDLING / CLONE		EARLY VEG		MID-LATE VEG				EARLY BLOOM		MID BLOOM			OPTIONAL FLUSH	LATE BLOOM			OPTIONAL FLUSH
WEEK	1	2	3	4	5	6	7	8	1	2	3	4	5		6	7	8	
Root Boost	1	1	1	1	1	1	1	1	1	1								

Additional feedcharts on pages 7-9

# AMENDED SOIL FEEDCHARTS

With every watering, add suggested dosage to your feedwater and then adjust your pH to 6.2-6.8.  
Mix in nutrients one at a time in the order they appear on the chart.

All measurements in  
mL/Gallon

Teaspoon Conversion  
5 mL = 1 tsp

Some plants prefer weaker/stronger feedrates.

To dial in feed rates for your garden, adjust  
Base AB by increments of 1 mL per gallon.

Base A&B

-1  
mL/Gal

+1  
mL/Gal

GENERAL 8 WEEK

mL/Gal	SEEDLING / CLONE		EARLY VEG		MID-LATE VEG				EARLY BLOOM		MID BLOOM			OPTIONAL FLUSH: Use Signal at 4mL per gallon, 15% runoff.	LATE BLOOM			OPTIONAL FLUSH: Use Signal at 6mL per gallon, 15% runoff.
WEEK	1	2	3	4	5	6	7	8	1	2	3	4	5		6	7	8	
Silica Gold	2	2	2	2	2	2	3	3	3	3	3	3	3		3	2		
Base A	3	3	4	4	5	5	6	6	7	7	6	6	6		5	5	5	
Base B	3	3	4	4	5	5	6	6	7	7	6	6	6		5	5	5	
CalMag OAC		1	2	2	2	2	2	2	2	2	2	2	2		2	2		
N-Primer	2	2	3	3	3	3	3	3	3	3								
Root Boost	1	1	1	1	1	1	1	1	1	1	1							
Bloom									2	2	3-4	3-4	3-4		2	2		
Signal										2	2	3	3		3-4	3-4	3-4	
Canopy Boost	5	5	10	15	15	20	20	20	20	20								
PPM (700 scale)	300-400	300-400	450-550	450-550	550-650	550-650	700-800	700-800	850-950	900-1000	800-900	800-900	800-900		700-800	700-800	600-700	
EC Range	0.4 - 0.6	0.4 - 0.6	0.6 - 0.8	0.7 - 0.8	0.8 - 0.9	0.8 - 0.9	1.0 - 1.2	1.0 - 1.2	1.2 - 1.4	1.3 - 1.4	1.2 - 1.3	1.2 - 1.3	1.1 - 1.3		1.0 - 1.2	1.0 - 1.2	0.9 - 1.0	

EXTENDED 10+ WEEK

mL/Gal	SEEDLING / CLONE		EARLY VEG		MID-LATE VEG				EARLY BLOOM			MID BLOOM				OPTIONAL FLUSH: Use Signal at 4mL per gallon, 15% runoff.	LATE BLOOM			OPTIONAL FLUSH: Use Signal at 6mL per gallon, 15% runoff.
WEEK	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7		8	9	10	
Silica Gold	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3		3	2		
Base A	3	3	4	4	5	5	6	6	7	7	7	6	6	6	6		6	5	5	
Base B	3	3	4	4	5	5	6	6	7	7	7	6	6	6	6		6	5	5	
CalMag OAC		1	2	2	2	2	2	2	3	3	3	3	3	3	3		3	2		
N-Primer	2	2	3	3	3	3	3	3	3	3	3									
Root Boost	1	1	1	1	1	1	1	1	1	1	1	1	1							
Bloom										2	2	3-4	3-4	3-4	3-4			2	2	
Signal													2	2	3		3	3-4	3-4	
Canopy Boost	5	5	10	15	15	20	20	20	20	20	20	20								
PPM (700 scale)	300-400	300-400	450-550	450-550	550-650	550-650	700-800	700-800	800-900	850-950	850-950	850-950	850-950	850-950	850-950	850-950	700-800	700-800	600-700	
EC Range	0.4 - 0.6	0.4 - 0.6	0.6 - 0.8	0.7 - 0.8	0.8 - 0.9	0.8 - 0.9	1.0 - 1.2	1.0 - 1.2	1.1 - 1.3	1.2 - 1.4	1.3 - 1.4	1.2 - 1.4	1.2 - 1.4	1.2 - 1.4	1.2 - 1.4	1.2 - 1.4	1.0 - 1.2	1.0 - 1.2	0.9 - 1.0	

For 11 week strains, use week seven twice.

AUTO 10+ WEEK

mL/Gal	SEEDLING / CLONE		EARLY BLOOM		MID BLOOM			OPTIONAL FLUSH: Use Signal at 4mL per gallon, 15% runoff.	LATE BLOOM			OPTIONAL FLUSH: Use Signal at 6mL per gallon, 15% runoff.
WEEK	1	2	3	4	5	6	7		8	9	10	
Silica Gold	2	2	3	3	3	3	3		3	2		
Base A	3	3	5	5	7	7	7		5	5	5	
Base B	3	3	5	5	7	7	7		5	5	5	
CalMag OAC	1	1	2	2	2	2	2		2	2		
N-Primer	3	3	3	3								
Root Boost	1	1	1	1	1							
Bloom			2	2	3-4	3-4	3-4		2	2		
Signal				2	2	3	3		3-4	3-4	3-4	
Canopy Boost	5	10	15	20	20							
PPM (700 scale)	300-400	300-400	600-700	650-750	900-1000	950-1050	950-1050		700-800	700-800	600-700	
EC Range	0.4 - 0.6	0.4 - 0.6	0.8 - 1.0	0.9 - 1.1	1.3 - 1.4	1.3 - 1.5	1.3 - 1.5		1.0 - 1.2	1.0 - 1.2	0.9 - 1.0	

For 11 week strains, use week seven twice.



# COCO & PEAT FEEDCHARTS

With every watering, add suggested dosage to your feedwater and then adjust your pH to 5.7-6.3.  
Mix in nutrients one at a time in the order they appear on the chart.

All measurements in  
mL/Gallon

Teaspoon Conversion  
5 mL = 1 tsp

Some plants prefer weaker/stronger feedrates.  
To dial in feed rates for your garden, adjust Base AB  
by increments of 1 mL per gallon.

Base A&B

-1  
mL/Gal

+1  
mL/Gal

GENERAL 8 WEEK

mL/Gal	SEEDLING / CLONE		EARLY VEG		MID-LATE VEG				EARLY BLOOM		MID BLOOM			OPTIONAL FLUSH: Use Signal at 4mL per gallon, 15% runoff.	LATE BLOOM			OPTIONAL FLUSH: Use Signal at 6mL per gallon, 15% runoff.
WEEK	1	2	3	4	5	6	7	8	1	2	3	4	5		6	7	8	
Silica Gold	2	2	2	2	2	2	4	4	4	4	4	4	4		4	2		
Base A	3	3	5	5	7	7	8	8	9	9	8	8	8		5	5	5	
Base B	3	3	5	5	7	7	8	8	9	9	8	8	8		5	5	5	
CalMag OAC		1	2	2	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3		2	2		
N-Primer	2	2	4	4	4	4	4	4	4	4								
Root Boost	1	1	1	1	2	2	2	2	2	2	1				3	2		
Bloom										3	4-5	4-5	4-5					
Signal										2	2	3	3		4-5	4-5	4-5	
Canopy Boost	5	5	10	15	15	20	20	20	20	20								
PPM (700 scale)	300-400	300-400	550-650	550-650	800-900	800-900	950-1050	950-1050	1100-1200	1150-1250	1050-1150	1100-1200	1100-1200		750-850	750-850	600-700	
EC Range	0.4-0.6	0.4-0.6	0.8-0.9	0.8-0.9	1.1-1.3	1.1-1.3	1.3-1.5	1.3-1.5	1.6-1.7	1.6-1.8	1.5-1.6	1.6-1.7	1.6-1.7		1.1-1.2	1.1-1.2	0.9-1.0	

EXTENDED 10+ WEEK

mL/Gal	SEEDLING / CLONE		EARLY VEG		MID-LATE VEG				EARLY BLOOM			MID BLOOM				OPTIONAL FLUSH: Use Signal at 4mL per gallon, 15% runoff.	LATE BLOOM			OPTIONAL FLUSH: Use Signal at 6mL per gallon, 15% runoff.
WEEK	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7		8	9	10	
Silica Gold	2	2	2	2	2	2	4	4	4	4	4	4	4	4	4		4	2		
Base A	3	3	5	5	7	7	8	8	9	9	9	8	8	8	8		5	5	5	
Base B	3	3	5	5	7	7	8	8	9	9	9	8	8	8	8		5	5	5	
CalMag OAC		1	2	2	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3		2	2		
N-Primer	2	2	4	4	4	4	4	4	4	4	4									
Root Boost	1	1	1	1	2	2	2	2	2	2	2	2	1				3	2		
Bloom										2	3	4-5	4-5	4-5	4-5					
Signal												2	2	3	3		4-5	4-5	4-5	
Canopy Boost	5	5	10	15	15	20	20	20	20	20	20	20								
PPM (700 scale)	300-400	300-400	550-650	550-650	800-900	800-900	950-1050	950-1050	1050-1150	1100-1200	1150-1250	1100-1200	1050-1150	1100-1200	1100-1200		750-850	700-800	600-700	
EC Range	0.4-0.6	0.4-0.6	0.8-0.9	0.8-0.9	1.1-1.3	1.1-1.3	1.3-1.5	1.3-1.5	1.5-1.6	1.6-1.7	1.6-1.8	1.6-1.7	1.5-1.6	1.6-1.7	1.6-1.7		1.1-1.2	1.0-1.2	0.9-1.0	

For 11 week strains, use week seven twice.

AUTO 10+ WEEK

mL/Gal	SEEDLING / CLONE		EARLY BLOOM		MID BLOOM			OPTIONAL FLUSH: Use Signal at 4mL per gallon, 15% runoff.	LATE BLOOM			OPTIONAL FLUSH: Use Signal at 6mL per gallon, 15% runoff.
WEEK	1	2	3	4	5	6	7		8	9	10	
Silica Gold	2	2	4	4	4	4	4		4	2		
Base A	3	3	5	7	8	8	8		5	5	5	
Base B	3	3	5	7	8	8	8		5	5	5	
CalMag OAC	1	2	2-3	2-3	2-3	2-3	2-3		2-3	2		
N-Primer	4	4	4	4								
Root Boost	1	2	2	2	1							
Bloom			2	3	4-5	4-5	4-5		3	2		
Signal				2	2	3	3		4-5	4-5	4-5	
Canopy Boost	5	10	15	20	20							
PPM (700 scale)	300-400	350-450	650-750	950-1050	1050-1150	1100-1200	1100-1200		750-850	700-800	600-700	
EC Range	0.4-0.6	0.4-0.6	0.9-1.1	1.3-1.5	1.5-1.6	1.6-1.7	1.6-1.7		1.1-1.2	1.0-1.1	0.9-1.0	

For 11 week strains, use week seven twice.

# HYDRO FEEDCHARTS

Add suggested dosage to your reservoir and then adjust your pH to 5.5-6.2.

Mix in nutrients one at a time in the order they appear on the chart.

All measurements in  
mL/Gallon

Teaspoon Conversion  
5 mL = 1 tsp

Some plants prefer weaker/stronger feedrates.

To dial in feed rates for your garden, adjust Base AB by increments of 1 mL per gallon.

Base A&B

-1  
mL/Gal

+1  
mL/Gal

GENERAL 8 WEEK

mL/Gal	SEEDLING / CLONE		EARLY VEG		MID-LATE VEG				EARLY BLOOM		MID BLOOM			LATE BLOOM			
WEEK	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	
Silica Gold	2	2	2	2	2	2	3	3	3	3	3	3	3	3	2		
Base A	4	5	7	7	8	8	9	9	9	9	8	8	8	6	6	6	
Base B	4	5	7	7	8	8	9	9	9	9	8	8	8	6	6	6	
CalMag OAC	1	1	2	2	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2	2		
N-Primer	2	2	3	3	3	3	3	3	3	3							
Root Boost	1	1	1	1	1	1	1	1	1	1	1						
Bloom									2	3	4-5	4-5	4-5	3	2		
Signal										2	2	3	3	4-5	4-5	4-5	
Canopy Boost	5	5	10	15	15	20	20	20	20	20							
PPM (700 scale)	400-500	550-650	800-900	800-900	900-1000	900-1000	1050-1150	1050-1150	1050-1150	1150-1250	1050-1150	1050-1150	1050-1150	850-950	800-900	700-800	
EC Range	0.6 - 0.7	0.7 - 0.9	1.1 - 1.3	1.1 - 1.3	1.3 - 1.4	1.3 - 1.4	1.5 - 1.6	1.5 - 1.6	1.5 - 1.6	1.6 - 1.8	1.5 - 1.6	1.5 - 1.6	1.5 - 1.6	1.2 - 1.4	1.1 - 1.3	1.0 - 1.2	

OPTIONAL FLUSH: Use Signal at 6mL per gallon.

EXTENDED 10+ WEEK

mL/Gal	SEEDLING / CLONE		EARLY VEG		MID-LATE VEG				EARLY BLOOM			MID BLOOM				LATE BLOOM		
WEEK	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	9	10
Silica Gold	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	2	
Base A	4	5	7	7	8	8	9	9	9	9	9	8	8	8	8	6	6	6
Base B	4	5	7	7	8	8	9	9	9	9	9	8	8	8	8	6	6	6
CalMag OAC	1	1	2	2	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2	2	
N-Primer	2	2	3	3	3	3	3	3	3	3	3							
Root Boost	1	1	1	1	1	1	1	1	1	1	1	1	1					
Bloom										2	3	4-5	4-5	4-5	4-5	3	2	
Signal												2	2	3	3	4-5	4-5	4-5
Canopy Boost	5	5	10	15	15	20	20	20	20	20	20	20						
PPM (700 scale)	400-500	550-650	800-900	800-900	900-1000	900-1000	1050-1150	1050-1150	1050-1150	1100-1200	1100-1200	1100-1200	1100-1200	1100-1200	1100-1200	850-950	800-900	700-800
EC Range	0.6 - 0.7	0.7 - 0.9	1.1 - 1.3	1.1 - 1.3	1.3 - 1.4	1.3 - 1.4	1.5 - 1.6	1.5 - 1.6	1.5 - 1.6	1.6 - 1.7	1.6 - 1.7	1.6 - 1.7	1.6 - 1.7	1.6 - 1.7	1.6 - 1.7	1.2-1.4	1.1 - 1.3	1.0 - 1.2

OPTIONAL FLUSH: Use signal at 6mL per gallon.

OPTIONAL FLUSH: Use Signal at 6mL per gallon.

For 11 week strains, use week seven twice.

AUTO 10+ WEEK

mL/Gal	SEEDLING / CLONE		EARLY BLOOM		MID BLOOM			LATE BLOOM		
WEEK	1	2	3	4	5	6	7	8	9	10
Silica Gold	2	2	2	3	3	3	3	3	2	
Base A	4	5	7	7	8	8	8	6	6	6
Base B	4	5	7	7	8	8	8	6	6	6
CalMag OAC	1	2	2-3	2-3	2-3	2-3	2-3	2	2	
N-Primer	2	2	3	3						
Root Boost	1	1	1	1	1					
Bloom			2	3	4-5	4-5	4-5	3	2	
Signal				2	2	3	3	4-5	4-5	4-5
Canopy Boost	5	5	10	20	20					
PPM (700 scale)	400-500	550-650	850-950	950-1050	1050-1150	1050-1150	1050-1150	850-950	800-900	700-800
EC Range	0.6 - 0.7	0.7 - 0.9	1.2 - 1.4	1.3 - 1.5	1.5 - 1.6	1.5 - 1.6	1.5 - 1.6	1.2 - 1.4	1.1 - 1.3	1.0 - 1.2

OPTIONAL FLUSH: Use Signal at 6mL per gallon.







For 11 week strains, use week seven twice.

**WORKS GREAT FOR  
TRANSPLANTING**

## MICROBES FOR STRONGER PLANTS

BILLIONS is a microbial supplement that supports healthier plants by replenishing microbe colonies in soil or hydro gardens. It's great for all plants in all media, can be used alongside other fertilizers, and won't burn plants at any use rate. BILLIONS is highly concentrated yet fully water-soluble and is designed with a fine sugar microbe carrier, instead of maltodextrin, to ensure clog-free application. Drip emitter safe.

### POTENTIAL BENEFITS

-  Builds Strong Roots
-  Boosting Growth and Yield
-  Successful Transplanting
-  Helping Save Sick Plants
-  Outcompeting Harmful Microbes
-  Preventing/Repairing Pet Urine Spots

### HOW TO USE

**Soil:** ¼ to ½ tsp per gallon of feed water every 7-14 days from seedling through harvest.

**Hydro:** Use half dose PRIOR to reservoir change. (Minimal microbe levels are highly effective.)

**Transplants:** Sprinkle a pinch (½ to 1 tsp) into soil or on root ball before repotting.

### WORKS ON

- Flowering Plants • Edible Plants • Trees • Tomatoes • Transplants • Lawns • Cannabis • Hemp • Houseplants • Fruiting Plants • Ornamental Shrubs • Herbs • Peppers • Plus Many More •



# TPS ONE

## A ONE PART FOR BOTH GROW AND BLOOM

**3.2 - 6.5 - 4.1**

From Veg to Bloom, TPS One is a one-part complete macronutrient and micronutrient fertilizer. It contains all minerals necessary for plants to thrive with 100% water-solubility. TPS One provides immediate and balanced nutrition for plants from seedling through harvest. It is an excellent choice for use in all media such as coco coir, peat, hydro, and amended soil.

- Bioavailable phosphorus and potassium for robust blooms
- Short & long chain nitrogen sources for optimal veg & bloom
- Includes organic-acid chelated calcium and magnesium
- More complete than powders AND 100% water soluble

All measurements in  
**mL/Gallon**

Teaspoon Conversion  
**5 mL = 1 tsp**

Some plants prefer weaker/stronger feedrates.

To dial in feed rates for your garden, adjust  
TPS One by increments of 1 mL per gallon.

**TPS One**

**-1**  
mL/Gal

**+1**  
mL/Gal

## AMENDED SOIL

With every watering, add suggested dose of TPS One to your feedwater and then adjust your pH to 6.2-6.8.

GENERAL	SEEDLING / CLONE		EARLY VEG		MID-LATE VEG				EARLY BLOOM		MID BLOOM			Optional Flush .15% runoff	LATE BLOOM			Optional Flush .15% runoff
WEEK	1	2	3	4	5	6	7	8	1	2	3	4	5		6	7	8	
TPS One	4	5	7	7	9	9	10	10	14	14	13	13	13		11	11	8	
PPM (700 scale)	250-350	300-400	450-550	450-550	550-650	550-650	650-750	650-750	950-1050	950-1050	850-950	850-950	850-950		700-800	700-800	500-600	
EC RANGE	0.3 - 0.5	0.4 - 0.6	0.6 - 0.8	0.6 - 0.8	0.8 - 0.9	0.8 - 0.9	0.9 - 1.1	0.9 - 1.1	1.3 - 1.5	1.3 - 1.5	1.2 - 1.4	1.2 - 1.4	1.2 - 1.4		1.0 - 1.2	1.0 - 1.2	0.7 - 0.9	

EXTENDED	SEEDLING / CLONE		EARLY VEG		MID-LATE VEG				EARLY BLOOM		MID BLOOM			Optional Flush .15% runoff	LATE BLOOM			Optional Flush .15% runoff
WEEK	1	2	3	4	5	6	7	8	1	2	3	4	5		6	7	8	
TPS One	4	5	7	7	9	9	10	10	14	14	14	13	13		11	11	8	
PPM (700 scale)	250-350	300-400	450-550	450-550	550-650	550-650	650-750	650-750	950-1050	950-1050	950-1050	850-950	850-950		700-800	700-800	500-600	
EC RANGE	0.3 - 0.5	0.4 - 0.6	0.6 - 0.8	0.6 - 0.8	0.8 - 0.9	0.8 - 0.9	0.9 - 1.1	0.9 - 1.1	1.3 - 1.5	1.3 - 1.5	1.3 - 1.5	1.2 - 1.4	1.2 - 1.4		1.0 - 1.2	1.0 - 1.2	0.7 - 0.9	

For 11 week strains, use week seven twice.

AUTO	SEEDLING/CLONE		EARLY BLOOM		MID BLOOM			Optional Flush .15% runoff	LATE BLOOM			Optional Flush .15% runoff
WEEK	1	2	3	4	5	6	7		8	9	10	
TPS One	4	5	9	9	14	14	14		11	11	8	
PPM (700 scale)	250-350	300-400	550-650	550-650	950-1050	950-1050	950-1050		700-800	700-800	500-600	
EC RANGE	0.3 - 0.5	0.4 - 0.6	0.8 - 0.9	0.8 - 0.9	1.3 - 1.5	1.3 - 1.5	1.3 - 1.5		1.0 - 1.2	1.0 - 1.2	0.7 - 0.9	

For 11 week strains, use week seven twice.

## COCO & PEAT

With every watering, add suggested dose of TPS One to your feedwater and then adjust your pH to 5.7-6.3.

GENERAL	SEEDLING / CLONE		EARLY VEG		MID-LATE VEG				EARLY BLOOM		MID BLOOM			Optional Flush 15% runoff	LATE BLOOM			Optional Flush 15% runoff
WEEK	1	2	3	4	5	6	7	8	1	2	3	4	5		6	7	8	
TPS One	5	6	9	9	12	12	15	15	17	17	16	16	16		12	12	9	
PPM (700 scale)	300-400	350-450	550-650	550-650	800-900	800-900	1000-1100	1000-1100	1150-1250	1150-1250	1050-1150	1050-1150	1050-1150		800-900	800-900	550-650	
EC RANGE	0.4 - 0.6	0.5 - 0.7	0.8 - 0.9	0.8 - 0.9	1.1 - 1.2	1.1 - 1.2	1.4 - 1.5	1.4 - 1.5	1.6 - 1.8	1.6 - 1.8	1.5 - 1.7	1.5 - 1.7	1.5 - 1.7		1.1 - 1.2	1.1 - 1.2	0.8 - 0.9	

EXTENDED	SEEDLING / CLONE		EARLY VEG		MID-LATE VEG				EARLY BLOOM			MID BLOOM				Optional Flush 15% runoff	LATE BLOOM			Optional Flush 15% runoff
WEEK	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7		8	9	10	
TPS One	5	6	9	9	12	12	15	15	17	17	17	16	16	16	16		12	12	9	
PPM (700 scale)	300-400	350-450	550-650	550-650	800-900	800-900	1000-1100	1000-1100	1150-1250	1150-1250	1150-1250	1050-1150	1050-1150	1050-1150	1050-1150		800-900	800-900	550-650	
EC RANGE	0.4 - 0.6	0.5 - 0.7	0.8 - 0.9	0.8 - 0.9	1.1 - 1.2	1.1 - 1.2	1.4 - 1.5	1.4 - 1.5	1.6 - 1.8	1.6 - 1.8	1.6 - 1.8	1.5 - 1.7	1.5 - 1.7	1.5 - 1.7	1.5 - 1.7		1.1 - 1.2	1.1 - 1.2	0.8 - 0.9	

For 11 week strains, use week seven twice.

AUTO	SEEDLING/CLONE		EARLY BLOOM		MID BLOOM			Optional Flush 15% runoff	LATE BLOOM			Optional Flush 15% runoff
WEEK	1	2	3	4	5	6	7		8	9	10	
TPS One	5	6	10	14	16	16	16		12	12	9	
PPM (700 scale)	300-400	350-450	650-750	950-1050	1050-1150	1050-1150	1050-1150		800-900	800-900	550-650	
EC RANGE	0.4 - 0.6	0.5 - 0.7	0.9 - 1.1	1.3 - 1.5	1.5 - 1.7	1.5 - 1.7	1.5 - 1.7		1.1 - 1.2	1.1 - 1.2	0.8 - 0.9	

For 11 week strains, use week seven twice.

## HYDRO & DWC

Add suggested dosage to your reservoir and then adjust your pH to 5.5-6.2.

GENERAL	SEEDLING / CLONE		EARLY VEG		MID-LATE VEG				EARLY BLOOM		MID BLOOM			LATE BLOOM			Optional Flush 15% runoff
WEEK	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	
TPS One	7	9	12	12	14	14	15	15	17	17	16	16	16	12	12	9	
PPM (700 scale)	450-550	550-650	800-900	800-900	950-1050	950-1050	1000-1100	1000-1100	1150-1250	1150-1250	1050-1150	1050-1150	1050-1150	800-900	800-900	550-650	
EC RANGE	0.6 - 0.8	0.8 - 0.9	1.1 - 1.2	1.1 - 1.2	1.3 - 1.5	1.3 - 1.5	1.4 - 1.5	1.4 - 1.5	1.6 - 1.8	1.6 - 1.8	1.5 - 1.8	1.5 - 1.8	1.5 - 1.8	1.1 - 1.2	1.1 - 1.2	0.8 - 0.9	

EXTENDED	SEEDLING / CLONE		EARLY VEG		MID-LATE VEG				EARLY BLOOM			MID BLOOM				Optional Flush 15% runoff	LATE BLOOM			Optional Flush 15% runoff
WEEK	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7		8	9	10	
TPS One	7	9	12	12	14	14	15	15	17	17	17	16	16	16	16		12	12	9	
PPM (700 scale)	450-550	550-650	800-900	800-900	950-1050	950-1050	1000-1100	1000-1100	1150-1250	1150-1250	1150-1250	1050-1150	1050-1150	1050-1150	1050-1150		800-900	800-900	550-650	
EC RANGE	0.6 - 0.8	0.8 - 0.9	1.1 - 1.2	1.1 - 1.2	1.3 - 1.5	1.3 - 1.5	1.4 - 1.5	1.4 - 1.5	1.6 - 1.8	1.6 - 1.8	1.6 - 1.8	1.5 - 1.8	1.5 - 1.8	1.5 - 1.8	1.5 - 1.8		1.1 - 1.2	1.1 - 1.2	0.8 - 0.9	

For 11 week strains, use week seven twice.

AUTO	SEEDLING/CLONE		EARLY BLOOM		MID BLOOM			LATE BLOOM			Optional Flush 15% runoff
WEEK	1	2	3	4	5	6	7	8	9	10	
TPS One	7	9	13	13	16	16	16	12	12	9	
PPM (700 scale)	450-550	550-650	850-950	850-950	1050-1150	1050-1150	1050-1150	800-900	800-900	550-650	
EC RANGE	0.6 - 0.8	0.8 - 0.9	1.2 - 1.4	1.2 - 1.4	1.5 - 1.8	1.5 - 1.8	1.5 - 1.8	1.1 - 1.2	1.1 - 1.2	0.8 - 0.9	

For 11 week strains, use week seven twice.





# TPS PRO KIT

**TAKE YOUR GROW TO THE NEXT LEVEL**

With **Signal** and **Canopy Boost**

With the TPS One™ Pro Kit you get the strength and simplicity of the only one part liquid fertilizer and nutrient paired with just the right size of our most popular terpene enhancing supplement, Signal, and foliar feeding spray, Canopy Boost. This system makes growing as easy possible be while providing incredible results.

All measurements in  
**mL/Gallon**

Teaspoon Conversion  
**5 mL = 1 tsp**

Some plants prefer weaker/stronger feedrates.

To dial in feed rates for your garden, adjust  
TPS One by increments of 1 mL per gallon.

**TPS One**

**-1**  
mL/Gal

**+1**  
mL/Gal

## AMENDED SOIL

With every watering, add suggested dosage to your feedwater and then adjust your pH to 6.2-6.8.

GENERAL	SEEDLING / CLONE		EARLY VEG		MID-LATE VEG				EARLY BLOOM		MID BLOOM			Optional Signal Flush - 15% runoff	LATE BLOOM			Optional Signal Flush - 15% runoff
WEEK	1	2	3	4	5	6	7	8	1	2	3	4	5		6	7	8	
TPS One	4	5	7	7	9	9	10	10	14	14	13	13	13		11	11	8	
Signal										1	1	2	2		3	3	4	
Canopy Boost	5	5	10	15	15	20	20	20	20	20								
PPM (700 scale)	250-350	300-400	450-550	450-550	550-650	550-650	650-750	650-750	950-1050	950-1050	900-1000	900-1000	900-1000		800-900	800-900	600-700	
EC RANGE	0.3 - 0.5	0.4 - 0.6	0.6 - 0.8	0.6 - 0.8	0.8 - 0.9	0.8 - 0.9	0.9 - 1.1	0.9 - 1.1	1.3 - 1.5	1.3 - 1.5	1.2 - 1.4	1.2 - 1.4	1.2 - 1.4		1.1 - 1.3	1.1 - 1.3	0.8 - 1.0	

EXTENDED	SEEDLING / CLONE		EARLY VEG		MID-LATE VEG				EARLY BLOOM			MID BLOOM				Optional Signal Flush 15% runoff	LATE BLOOM			Optional Signal Flush 15% runoff	
WEEK	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7		8	9	10		
TPS One	4	5	7	7	9	9	10	10	14	14	14	13	13	13	13		11	11	8		
Signal													1	1	2		2	3	3		4
Canopy Boost	5	5	10	15	15	20	20	20	20	20	20	20									
PPM (700 scale)	250-350	300-400	450-550	450-550	550-650	550-650	650-750	650-750	950-1050	950-1050	950-1050	900-1000	900-1000	900-1000	900-1000	800-900	800-900	600-700			
EC RANGE	0.3 - 0.5	0.4 - 0.6	0.6 - 0.8	0.6 - 0.8	0.8-0.9	0.8 - 0.9	0.9 - 1.1	0.9 - 1.1	1.3 - 1.5	1.3 - 1.5	1.3 - 1.5	1.2 - 1.4	1.2 - 1.4	1.2 - 1.4	1.2 - 1.4	1.1 - 1.3	1.1 - 1.3	0.8 - 1.0			

For 11 week strains, use week seven twice.

AUTO	SEEDLING/CLONE		EARLY BLOOM		MID BLOOM			Optional Signal Flush - 15% runoff	LATE BLOOM			Optional Signal Flush - 15% runoff
WEEK	1	2	3	4	5	6	7		8	9	10	
TPS One	4	5	9	9	14	14	14		11	11	8	
Signal				1	1	2	2		3	3	4	
Canopy Boost	5	10	15	20	20							
PPM (700 scale)	250-350	300-400	550-650	550-650	950-1050	950-1050	950-1050		800-900	800-900	600-700	
EC RANGE	0.3 - 0.5	0.4 - 0.6	0.8 - 0.9	0.8 - 0.9	1.3 - 1.5	1.3 - 1.5	1.3 - 1.5		1.1 - 1.3	1.1 - 1.3	0.8 - 1.0	

For 11 week strains, use week seven twice.



## COCO & PEAT

With every watering, add suggested dosage to your feedwater and then adjust your pH to 5.7-6.3.

GENERAL	SEEDLING / CLONE		EARLY VEG		MID-LATE VEG				EARLY BLOOM		MID BLOOM			Optional Signal Flush, 15% runoff	LATE BLOOM			Optional Signal Flush, 15% runoff
WEEK	1	2	3	4	5	6	7	8	1	2	3	4	5		6	7	8	
TPS One	5	6	9	9	12	12	15	15	17	17	16	16	16		12	12	9	
Signal										1	1	2	2		3	3	4	
Canopy Boost	5	5	10	15	15	20	20	20	20	20								
PPM (700 scale)	300-400	350-450	550-650	550-650	800-900	800-900	1000-1100	1000-1100	1150-1250	1150-1250	1100-1200	1100-1200	1100-1200		850-950	850-950	650-750	
EC RANGE	0.4 - 0.6	0.5 - 0.7	0.8 - 0.9	0.8 - 0.9	1.1 - 1.2	1.1 - 1.2	1.4 - 1.5	1.4 - 1.5	1.6 - 1.8	1.6 - 1.8	1.5 - 1.7	1.5 - 1.7	1.5 - 1.7		1.2 - 1.4	1.2 - 1.4	0.9 - 1.1	

EXTENDED	SEEDLING / CLONE		EARLY VEG		MID-LATE VEG				EARLY BLOOM			MID BLOOM				Optional Signal Flush, 15% runoff	LATE BLOOM			Optional Signal Flush, 15% runoff
WEEK	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7		8	9	10	
TPS One	5	6	9	9	12	12	15	15	17	17	17	16	16	16	16		12	12	9	
Signal												1	1	2	2		3	3	4	
Canopy Boost	5	5	10	15	15	20	20	20	20	20	20	20								
PPM (700 scale)	300-400	350-450	550-650	550-650	800-900	800-900	1000-1100	1000-1100	1150-1250	1150-1250	1150-1250	1100-1200	1100-1200	1100-1200	1100-1200		850-950	850-950	650-750	
EC RANGE	0.4 - 0.6	0.5 - 0.7	0.8 - 0.9	0.8 - 0.9	1.1 - 1.2	1.1 - 1.2	1.4 - 1.5	1.4 - 1.5	1.6 - 1.8	1.6 - 1.8	1.6 - 1.8	1.5 - 1.7	1.5 - 1.7	1.5 - 1.7	1.5 - 1.7		1.2 - 1.4	1.2 - 1.4	0.9 - 1.1	

For 11 week strains, use week seven twice.

AUTO	SEEDLING/CLONE		EARLY BLOOM		MID BLOOM			Optional Signal Flush, 15% runoff	LATE BLOOM			Optional Signal Flush, 15% runoff
WEEK	1	2	3	4	5	6	7		8	9	10	
TPS One	5	6	10	14	16	16	16		12	12	9	
Signal				1	1	2	2		3	3	4	
Canopy Boost	5	10	15	20	20							
PPM (700 scale)	300-400	350-450	650-750	950-1050	1100-1200	1100-1200	1100-1200		850-950	850-950	650-750	
EC RANGE	0.4-0.6	0.5-0.7	0.9 - 1.1	1.3 - 1.5	1.5 - 1.7	1.5 - 1.7	1.5 - 1.7		1.2 - 1.4	1.2 - 1.4	0.9 - 1.1	

For 11 week strains, use week seven twice.

## HYDRO & DWC

Add suggested dosage to your reservoir and then adjust your pH to 5.5-6.2.

GENERAL	SEEDLING / CLONE		EARLY VEG		MID-LATE VEG				EARLY BLOOM		MID BLOOM			Optional Signal Flush, 15% runoff	LATE BLOOM			Optional Signal Flush, 15% runoff
WEEK	1	2	3	4	5	6	7	8	1	2	3	4	5		6	7	8	
TPS One	7	9	12	12	14	14	15	15	17	17	16	16	16		12	12	9	
Signal										1	1	2	2		3	3	4	
Canopy Boost	5	5	10	15	15	20	20	20	20	20								
PPM (700 scale)	450-550	550-650	800-900	800-900	950-1050	950-1050	1000-1100	1000-1100	1150-1250	1150-1250	1100-1200	1100-1200	1100-1200		850-950	850-950	650-750	
EC RANGE	0.6 - 0.8	0.8 - 0.9	1.1 - 1.2	1.1 - 1.2	1.3 - 1.5	1.3 - 1.5	1.4 - 1.5	1.4 - 1.5	1.6 - 1.8	1.6 - 1.8	1.5 - 1.7	1.5 - 1.7	1.5 - 1.7		1.2 - 1.4	1.2 - 1.4	0.9 - 1.1	

EXTENDED	SEEDLING / CLONE		EARLY VEG		MID-LATE VEG				EARLY BLOOM			MID BLOOM				Optional Signal Flush, 15% runoff	LATE BLOOM			Optional Signal Flush, 15% runoff
WEEK	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7		8	9	10	
TPS One	7	9	12	12	14	14	15	15	17	17	17	16	16	16	16		12	12	9	
Signal												1	1	2	2		3	3	4	
Canopy Boost	5	5	10	15	15	20	20	20	20	20	20	20								
PPM (700 scale)	450-550	550-650	800-900	800-900	950-1050	950-1050	1000-1100	1000-1100	1150-1250	1150-1250	1150-1250	1100-1200	1100-1200	1100-1200	1100-1200		850-950	850-950	650-750	
EC RANGE	0.6 - 0.8	0.8 - 0.9	1.1 - 1.2	1.1 - 1.2	1.3 - 1.5	1.3 - 1.5	1.4 - 1.5	1.4 - 1.5	1.6 - 1.8	1.6 - 1.8	1.6 - 1.8	1.5 - 1.7	1.5 - 1.7	1.5 - 1.7	1.5 - 1.7		1.2 - 1.4	1.2 - 1.4	0.9 - 1.1	

For 11 week strains, use week seven twice.

AUTO	SEEDLING/CLONE		EARLY BLOOM		MID BLOOM			Optional Signal Flush, 15% runoff	LATE BLOOM			Optional Signal Flush, 15% runoff
WEEK	1	2	3	4	5	6	7		8	9	10	
TPS One	7	9	13	13	16	16	16		12	12	9	
Signal				1	1	2	2		3	3	4	
Canopy Boost	5	10	15	20	20							
PPM (700 scale)	450-550	550-650	850-950	900-1100	1100-1200	1100-1200	1100-1200		850-950	850-950	650-750	
EC RANGE	0.6 - 0.8	0.8 - 0.9	1.2 - 1.4	1.2 - 1.4	1.5 - 1.7	1.5 - 1.7	1.5 - 1.7		1.2 - 1.4	1.2 - 1.4	0.9 - 1.1	

For 11 week strains, use week seven twice.