

# APPLICATION RATES AMOUNTS IN ML/GAL

CNS17 Grow, Bloom and Ripe Amounts in ml/gallon (4l) 1 teaspoon=5 ml 1 tablespoon=15 ml 1 ounce=30 ml 1/2 - 1 gm = 1/4 - 1/2 tsp 3/4 gm = 1/4 tsp



| Plant Phase  | Clones / Seedlings | Vegetative |         | Transition | Early Bloom |        | Mid Bloom |        | Late Bloom |        |         | Pre-Harvest |
|--|--------------------|------------|---------|------------|-------------|--------|-----------|--------|------------|--------|---------|-------------|
|  |                    | Week 1     | Week 2  | Week 3     | Week 4      | Week 5 | Week 6    | Week 7 | Week 8     | Week 9 | Week 10 | 4 - 5 Days  |
| <b>THE STANDARD FEED FORMULA for fast blooming annuals</b> |                    |            |         |            |             |        |           |        |            |        |         |             |
| Grow Hydro or Coco & Soil                                  | 10                 | 15         | 20      | 10         | 0           | 0      | 0         | 0      | 0          | 0      | 0       | 0           |
| Ripe   | 0                  | 0          | 0       | 10         | 25          | 25     | 25        | 25     | 25         | 20     | 15      | 0           |
| Pure Blend Original Grow or Bloom                          | 5                  | 10         | 10 - 15 | 15         | 15          | 15     | 15        | 15     | 15         | 10     | 5       | 0           |

| <b>CUSTOM FEED FORMULA</b> |    |    |    |    |    |    |    |    |    |    |    |   |
|----------------------------|----|----|----|----|----|----|----|----|----|----|----|---|
| Grow Hydro or Coco & Soil  | 10 | 15 | 20 | 10 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0 |
| Bloom Hydro or Coco & Soil | 0  | 0  | 0  | 10 | 25 | 25 | 25 | 0  | 0  | 0  | 0  | 0 |
| Ripe                       | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 25 | 25 | 20 | 15 | 0 |

\*Reduce fertilizer application rates by 10 - 15% when using (multiple) supplements.

For optional Botanicare Supplements see website

## GUARANTEED MINIMUM ANALYSIS:

### ORIGINAL HYDROPONICS FORMULA GROW:

|  |         |
|--|---------|
| Total Nitrogen (N)                                   | 3.0%    |
| 0.14% Ammoniacal Nitrogen                            |         |
| 2.86% Nitrate Nitrogen                               |         |
| Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) | 2.0%    |
| Soluble Potash (K <sub>2</sub> O)                    | 4.0%    |
| Calcium (Ca)   | 2.8%    |
| Magnesium (Mg)                                       | 0.5%    |
| 0.5% Water Soluble Magnesium (Mg)                    |         |
| Sulfur (S)   | 1.10%   |
| 1.10% Combined Sulfur (S)                            |         |
| Manganese (Mn)                                       | 0.05%   |
| 0.05% Water Soluble Manganese (Mn)                   |         |
| Molybdenum (Mo)                                      | 0.0005% |

### ORIGINAL HYDROPONICS FORMULA BLOOM:

|  |         |
|--|---------|
| Total Nitrogen (N)                                   | 2.0%    |
| 0.09% Ammoniacal Nitrogen                            |         |
| 1.91% Nitrate Nitrogen                               |         |
| Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) | 2.0%    |
| Soluble Potash (K <sub>2</sub> O)                    | 5.0%    |
| Calcium (Ca)   | 2.0%    |
| Magnesium (Mg)                                       | 0.5%    |
| 0.5% Water Soluble Magnesium (Mg)                    |         |
| Sulfur (S)   | 1.14%   |
| 1.14% Combined Sulfur (S)                            |         |
| Manganese (Mn)                                       | 0.03%   |
| 0.03% Water Soluble Manganese (Mn)                   |         |
| Molybdenum (Mo)                                      | 0.0003% |

### COCO & SOIL FORMULA GROW:

|  |         |
|--|---------|
| Total Nitrogen (N)                                   | 3.0%    |
| 0.14% Ammoniacal Nitrogen                            |         |
| 2.86% Nitrate Nitrogen                               |         |
| Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) | 1.0%    |
| Soluble Potash (K <sub>2</sub> O)                    | 2.0%    |
| Calcium (Ca)   | 3.6%    |
| Magnesium (Mg)                                       | 0.5%    |
| 0.5% Water Soluble Magnesium (Mg)                    |         |
| Manganese (Mn)                                       | 0.05%   |
| 0.05% Water Soluble Manganese (Mn)                   |         |
| Molybdenum (Mo)                                      | 0.0005% |

### COCO & SOIL FORMULA BLOOM:

|  |         |
|--|---------|
| Total Nitrogen (N)                                   | 2.0%    |
| 0.09% Ammoniacal Nitrogen                            |         |
| 1.91% Nitrate Nitrogen                               |         |
| Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) | 2.0%    |
| Soluble Potash (K <sub>2</sub> O)                    | 3.0%    |
| Calcium (Ca)   | 2.5%    |
| Magnesium (Mg)                                       | 0.5%    |
| 0.5% Water Soluble Magnesium (Mg)                    |         |
| Sulfur (S)   | 1.14%   |
| 1.14% Combined Sulfur (S)                            |         |
| Manganese (Mn)                                       | 0.05%   |
| 0.05% Water Soluble Manganese (Mn)                   |         |
| Molybdenum (Mo)                                      | 0.0005% |

### RIPE FORMULA:

|  |         |
|--|---------|
| Total Nitrogen (N)                                   | 1.0%    |
| 1.0% Nitrate Nitrogen                                |         |
| Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) | 5.0%    |
| Soluble Potash (K <sub>2</sub> O)                    | 4.0%    |
| Calcium (Ca)   | 1.25%   |
| Magnesium (Mg)                                       | 0.5%    |
| 0.5% Water Soluble Magnesium (Mg)                    |         |
| Sulfur (S)   | 0.5%    |
| 0.5% Combined Sulfur (S)                             |         |
| Manganese (Mn)                                       | 0.01%   |
| 0.01% Water Soluble Manganese (Mn)                   |         |
| Molybdenum (Mo)                                      | 0.0005% |



100% Satisfaction Guaranteed

# 5 TRUE ONE-PART FORMULAS

Use any of the CNS17 formulas as stand alone nutrients or with your favorite supplements



True One Part Formulas include all macro and micro nutrients required to grow full healthy crops. Revolutionary Suspension Technology encloses each nutrient to prevent binding or lock up.

# CNS17™

## COMMERCIAL NUTRIENT SYSTEM

www.botanicare.com



# CNS17™

COMMERCIAL NUTRIENT SYSTEM

USE ANY CNS17 FORMULA AS A STAND-ALONE FERTILIZER OR ADD YOUR FAVORITE SUPPLEMENTS TO CREATE A CUSTOM PROGRAM.



We manufacture CNS17 using a revolutionary fertilizer production technology that yields true, one-part formulas with all the required nutrient ions in proper balance. CNS17 combines high levels of calcium with sulfates and phosphates to provide a complete spectrum of plant nutrients for every growing method. Most one-part, commercial, hydroponic fertilizers are unable to match CNS17's nutrient spectrum. The molecular composition of CNS17 in dilution with water causes organic structures to hydrolyze and provide an energy source for beneficial microbes in solution. CNS17 also contains chelates that protect ions like iron, manganese and zinc, improving availability under a range of conditions.

- True One part formulas contain all macro and micro nutrients required for a full healthy crop
- Suspension technology encases each nutrient preventing binding and lockup
- Great for Aeroponic use, will not clog sprayers
- Does not stain reservoirs
- High Yielding formula
- Cost effective for large and small scale production
- Minimal pH adjustment needed
- Mineral Based
- Easy to use



## ORIGINAL HYDROPONICS FORMULAS

ONE PART FERTILIZERS: GROW: 3-2-4 BLOOM: 2-2-5

Designed with the commercial hydroponics grower in mind, this is a highly concentrated, economical fertilizer that produces premium results. CNS17 is an element rich plant food, with seventeen essential elements, and is ideally suited for a wide range of vegetable, flower, and fruiting crops grown using hydroponic methods.

- All hydroponics methods, soil and container gardens
- Use with coir fiber, rockwool, clay aggregate, perlite, peat moss
- Vegetable, Fruit and Flower Crops
- Can be used as a stand alone or with supplements



## COCO & SOIL FORMULAS

ONE PART FERTILIZERS: GROW: 3-1-2 BLOOM: 2-2-3

Coco & Soil formulas have NPK ratios balanced specifically for coco based soils, but can also be used in traditional hydroponic soilless media. Due to the high CEC (cation exchange capacity) inherent in coir fiber, a correctly balanced nutrient program can greatly increase the performance of a coco-based grow substrate. CNS17 Coco and Soil was designed to take advantage of coir fiber's high CEC by offsetting the nitrogen and calcium draw without pushing potassium amounts above usable levels.

- Hydroponics, container gardens
- Best with coco substrates and soil mixes
- Vegetable, Fruit and Flower Crops
- Can be used as a stand alone or with supplements



## RIPE FORMULA

ONE PART BASE BLOOM NUTRIENT: 1-5-4

Ripe's 1-5-4 NPK is designed to promote ripening in your fruiting and flowering plants. Ripe helps your plants stay lush and green while providing more of the elements needed to help ripen and enhance your yield. This easy to use product works by depleting the nitrogen to a minimum level and leaving the phosphorous and potassium at optimal ranges. This encourages a plant to focus its energy on its reproductive function - ripening its fruit faster - while maintaining healthy foliage. Great for both soil and soilless gardens, Ripe can be used with any of the CNS17 formulas.

- For coco, soil, and hydroponics
- All fruiting and flowering plants
- Use during end stages of bloom cycle to increase fruiting & flowering
- Can be used as a stand alone or with supplements