



Photosynthesis: the process by which plants transform “light energy” into “plant energy” (oxygen and carbohydrates).

Certain essential plant nutrients are required for photosynthesis and related metabolic processes. Plants that do not receive adequate amounts of the nutrients specific for photosynthesis are slower to make the conversion of light energy into plant energy.

Outdoors, with lots of sun, a slower conversion rate may be acceptable. Indoor growers, with limited and expensive light, need the conversion to happen as fast as possible.

SOLAR® Professional Fertilizer, Indoor Grower Formula, has been designed to provide the essential nutrients required for optimum speed of the photosynthetic conversion.

Amino Acid Complex

10-9-5

Plus Micronutrients

Guaranteed Analysis

Total nitrogen (N)	10.00%
2.50% Ammoniacal Nitrogen	
0.80% Nitrate Nitrogen	
6.70% Urea Nitrogen	
Available Phosphate (P ₂ O ₅)	9.00%
Soluble Potash (K ₂ O)	5.00%
Magnesium (Mg)	0.50%
0.50% Water Soluble Magnesium (Mg)	
Boron (B)	0.050%
0.050% Water Soluble Boron (B)	
Copper (Cu)	0.050%
0.050% Water Soluble Copper (Cu)	
Iron (Fe)	0.50%
0.50% Water Soluble Iron (Fe)	
Manganese (Mn)	0.40%
0.40% Water Soluble Manganese (Mn)	
Zinc (Zn)	0.10%
0.10% Water Soluble Zinc (Zn)	

DERIVED FROM: urea, ammonium phosphate, potassium phosphate, potassium nitrate, magnesium sulfate, boric acid, copper sulfate, ferrous sulfate, manganese sulfate, zinc sulfate, amino acid complex.

Amino Acid Complex

5-10-5

Plus Micronutrients

Guaranteed Analysis

Total nitrogen (N)	5.00%
2.50% Ammoniacal Nitrogen	
0.80% Nitrate Nitrogen	
1.70% Urea Nitrogen	
Available Phosphate (P ₂ O ₅)	10.00%
Soluble Potash (K ₂ O)	5.00%
Magnesium (Mg)	1.00%
1.00% Water Soluble Magnesium (Mg)	
Boron (B)	0.10%
0.10% Water Soluble Boron (B)	
Copper (Cu)	0.10%
0.10% Water Soluble Copper (Cu)	
Iron (Fe)	1.00%
1.00% Water Soluble Iron (Fe)	
Manganese (Mn)	0.50%
0.50% Water Soluble Manganese (Mn)	
Zinc (Zn)	0.10%
0.10% Water Soluble Zinc (Zn)	

DERIVED FROM: urea, ammonium phosphate, potassium phosphate, potassium nitrate, magnesium sulfate, boric acid, copper sulfate, ferrous sulfate, manganese sulfate, zinc sulfate, amino acid complex.

APPLICATION:

Starter – 1st feeding and flowering phase

5-10-5 plus Micronutrients: 1 ounce/2 TBSP per gallon water

Vegetative phases

10-9-5 plus Micronutrients: 1 ounce/2 TBSP per gallon water

COMPATIBILITY: SOLAR® fertilizers are generally compatible with other nutrients, surfactants and PGR's. Extreme acids or base formulas found in pH treatment products may effect this fertilizer. Always do a preliminary jar test to insure compatibility.

STORAGE: Keep out of reach of children. Keep out of direct sunlight. Store at room temperature.