

Dyna-Gro™ Nutrition Solutions® - FORMULAS APPLICATION SHEET

Liquid Grow™ 7-9-5 formula is a superior general-purpose nutrient solution containing all 6 essential macronutrients and all 10 essential micronutrients that every plant needs. Liquid Grow will give your vegetables, fruit trees, houseplants and landscape healthy leaf and stem growth. It is ideal for poor, rocky soils and container grown plants. The low soluble salts and slightly higher phosphorus makes this a great all year African violet or orchid formula for those who don't want to switch formulas to promote flowering. Use Liquid Grow as a rapid cure for nutrient deficiencies. When mixed at dilute concentrations, Liquid Grow is quick acting as a foliar spray.

Indoor Plants: Mix ¼ to ½ tsp. per gallon of water with every watering.

Outdoor Plants: Mix ½ tsp. per gallon of water with every watering. Monthly feeding - use 1 tsp. per gallon of water.

Hydroponics: Mix 2-3 tsp. per gal. of water for recirculating systems or 1 tsp per gal. for non-recirculating systems.

Siphon Mixer: (1:15 ratio) Mix 1-3 fl.oz. per gallon of water for a concentrate feed solution.

Irrigation Injector: (1:100 ratio) Mix 10-18 fl. oz. per gallon of water to make an injectable concentrate.

Liquid Bloom™ 3-12-6 is low nitrogen, high phosphorus formula containing all 6 essential macronutrients and all 10 essential micronutrients that every plant needs. Use Liquid Bloom to increase the size, color and number of blooms produced. It is ideal for roses, orchids and potted flowering plants. Liquid Bloom supplies a balance of low ammoniacal to nitrate nitrogen needed to avoid stem elongation in flowering plants and vegetables. **Note:** You can apply Liquid Bloom before any flower buds appear when you want to initiate flowering.

Indoor Plants: Mix ¼ to ½ tsp. per gallon of water with every watering.

Outdoor Plants: Mix ½ tsp. per gallon of water with every watering. Monthly feeding - use 1 tsp. per gallon of water.

Hydroponics: Mix 2-3 tsp. per gal. of water for recirculating systems or 1 tsp per gal. for non-recirculating systems.

Siphon Mixer: (1:15 ratio) Mix 1-3 fl.oz. per gallon of water for a concentrate feed solution.

Irrigation Injector: (1:100 ratio) Mix 10-18 fl. oz. per gallon of water to make an injectable concentrate.

Foliage-Pro® 9-3-6 tropical foliage formula has the 3-1-2 N-P-K ratio recommended by the Apopka Research Center in Florida for foliage production. Interiorscapers across the country use Foliage-Pro to maintain healthy, controlled growth on foliage plants and trees. It outperforms all others in low light environments. **The 3-1-2 ratio of N-P-K** results in greater mineral uptake by tropical foliage plants, bamboo and ferns reducing harmful salts build-up and eliminating nutrition deficiencies.

Maintenance: Mix ¼ tsp. (3 squirts) per gallon of water with every watering.

Production: Mix 1 tsp. per gallon of water, once a week. For monthly feeding, use 2 tsp. per gallon of water.

Siphon Mixer: (1:15 ratio) Mix 2-4 fl.oz. per gallon of water for a concentrate feed solution.

Foliar Application: Mix ¼ to ½ tsp. per gallon of water and spray directly of leaves.

All-Pro™ 7-7-7 is an excellent all-purpose formula with all 16 essential minerals plants need to develop to their optimum potential. All-Pro is excellent for greenhouse and field grown crops. It is currently used by many professional growers for fast, uniform production of orchids, foliage and bedding plants. This complete formula is perfect for hydroponic and commercial greenhouse vegetable and flower production.

Maintenance: Mix ¼ to ½ tsp. per gallon of water with every watering.

Production: Mix 1 tsp. per gallon of water with every watering. For monthly feeding, use 2 tsp. per gallon of water.

Hydroponics: Mix 2-3 tsp. per gal. of water for recirculating systems or 1 tsp per gal. for non-recirculating systems.

Siphon Mixer: (1:15 ratio) Mix 1-3 fl.oz. per gallon of water for a concentrate feed solution.

Irrigation Injector: (1:100 ratio) Mix 13-14 fl. oz. per gallon of water to make an injectable concentrate.

Hi-N-Pro™ 10-5-5 high nitrogen formula gives an extra boost for active leaf, stem and root growth. Use Hi-N-Pro on all plants requiring higher amounts of nitrogen in the growth stage. This is a good formula for turf, palms, foliage plants, cymbidium orchids, and for leafy growth on vegetables.

Maintenance: Mix ¼ to ½ tsp. per gallon of water with every watering.

Production: Mix 1 tsp. per gallon of water with every watering. For monthly feeding, use 2 tsp. per gallon of water.

Hydroponics: Mix 2-3 tsp. per gal. of water for recirculating systems or 1 tsp per gal. for non-recirculating systems.

Siphon Mixer: (1:15 ratio) Mix 1-3 fl.oz. per gallon of water for a concentrate feed solution.

Irrigation Injector: (1:100 ratio) Mix 13-14 fl. oz. per gallon of water to make an injectable concentrate.

Mag-Pro™ 2-15-4 supplement is a blossom booster for orchids, roses and other flowering plants. The high phosphorus, magnesium and sulfur content of this formula brings out color, fragrance and size in flowers and fruits. Growers using reverse osmosis, rain or deionized water benefit from the addition of Mag-Pro to their watering schedule. **Mag-Pro** is a nutrition supplement and should only be used in conjunction with Dyna-Gro™ complete nutrition formulas.

Intermittent Feeding: (Every 2nd or 3rd watering) Mix ½ to 1 tsp. per gallon of water.

Siphon Mixer: (1:15 ratio) Mix 2-4 fl.oz. per gallon of water for a concentrate feed solution.

Irrigation Injector: (1:100 ratio) Mix 10-15 fl. oz. per gallon of water to make an injectable concentrate.

Continuous Feeding: (Every watering) Mix ¼ to ½ tsp. per gallon of water.

Siphon Mixer: (1:15 ratio) Mix ½ to 1 fl.oz. per gallon of water for a concentrate feed solution.

Irrigation Injector: (1:100 ratio) Mix 4-8 fl. oz. per gallon of water to make an injectable concentrate.

Pro-TeKt® 0-0-3 liquid supplement supplies higher levels of potassium and silicon to build strong cell walls in plants. The stronger cell walls provide a Pro-TeKt-ive barrier to piercing-sucking insects and invading fungi. Using Pro-TeKt reduces disease and insect problems, increases stem strength and leaf positioning, improve photosynthesis, and increases heat and drought tolerance. Use as a supplement with any complete nutrient formula to reduce applications of insecticides and fungicides for all plants. Note: The soil/water pH may need to be adjusted when using this product.

Maintenance: Mix ¼ to ½ tsp. per gallon of water with every watering.

Hydroponics: Mix ½ - 1 tsp. per gallon of water for recirculating systems.

Siphon Mixer: (1:15 ratio) Mix ½ - 2 fl.oz. per gallon of water for a concentrate feed solution.

Irrigation Injector: (1:100 ratio) Mix 8-10 fl. oz. per gallon of water to make an injectable concentrate. Apply Pro-TeKt separately when using a single head injector.

Foliar Spray: Mix ½ tsp. per gal. of water - spray directly on leaves. Note: Spot test plants first for sensitivity to sprays.

PH-Down Use these supplements to adjust your water and nutrient solutions to the proper pH range for plants. Water supplies vary and may be too alkaline (pH > 7) or acidic (pH < 7). Most plants prefer a pH range of 6.0 - 6.5. Acid loving plants (azaleas, gardenias, blueberries) perform best at low pH (4.5 - 6.0). Low or high pH can cause problems for nutrient uptake in growing media and effectiveness of certain pesticides and fungicides.

Mixing: Before adding to nutrient solution, mix ½ tsp of pH-Down per 2 tsp of fresh water. Add mixture to nutrient solution in ½ tsp. per gallon increments.

K-L-N Concentrate™ is a rooting solution containing both **IBA** and **NAA** hormones to promote vigorous root growth in trees, foliage and flowering plants. Use it for propagating cuttings, air layering, and as a transplanting drench for newly potted plants. Drench, dip or mist your plants with K-L-N to stimulate new root growth. Growers highly recommend K-L-N to increase production of cuttings.

Cuttings:

Soaking: Mix 1 to 3 tsp. per gallon of water. Place stems only in solution.

Misting: Mix 1 tsp. per gallon of water. Keep cuttings moist at all times.

Air Layering: Mix 3 tsp per gallon of water. Saturate medium and place into cut on plant stem.

Transplanting: Mix 1 tsp. of K-L-N and 1 tsp. of any complete Dyna-Gro™ nutrient formula per gallon of water.

Root-Gel® is a unique vitamin-hormone gel used to promote root formation in the propagation of hard to propagate cuttings. It contains Vitamin B-1, IBA and NAA plus just the right amount of essential minerals to get cuttings off to a great start. Root-Gel applies quickly, easily and thoroughly, surrounding the cutting with a viscous coating of protective gel. Root-Gel seals the cutting and functions as an artificial root system during root development.

Cuttings: Dip cutting into gel and place cutting in a hole in the rooting medium to avoid rubbing Root-Gel off cutting.