

# CUTTINGS • PLUGS • TRANSPLANTS • SIZING UP



| Application Timing                      | Product Choices  | Rates  | Comments  |
|---|--|--|---|
| Soil Media Prep                         | BioNutrients 8-1-9   | Mix 1 -2 packs per 40-100 gallons of water.  | Microbe root enhancer.  |
|   | BioBlender Media Mix   | ½ - 1 lb. per cubic yard (270 - 540 grams per square meter)  | Adds both beneficial bacteria and organic soil amendments.  |
| At Sticking                             | Essential® Plus 1-0-1  | 1 oz per 30 oz water or 4 oz per gal water (30 ml per Liter water)                                   | Drench tray liners or pots after sticking cuttings OR dip basal ends of cuttings for five seconds before sticking.  |
| At Callus Formation (Reapply as needed) | Essential® Plus 1-0-1  | 4 oz per gal water (30 ml per Liter water)   | Re-apply as a drench at callus formation or as needed.  |
|   | Companion® Liquid Biological Fungicide                           | 1 tsp per gal water (1 ml per Liter water)   | Apply as a drench or directed heavy spray when callus forms. Reapply every 2-4 weeks to promote healthy roots.  |
| At Sticking                             | Essential® Plus 1-0-1 and Companion® Liquid Biological Fungicide | <b>Constant feed:</b> 1 oz each per 100 gal water (8 ml per 100 Liters water)                        | Inject through overheads on the mist bench for rapid and healthy rooting. Use this rate until ready to transplant.  |
| At Transplant, Sizing Up or Re-Potting  | Essential® Plus 1-0-1  | 2 tsp per gal water or 32 oz per 100 gal water (3 ml per liter water or 250 ml per 100 Liters water) | Apply at transplant, then monthly thereafter. Combats transplant shock, promotes new roots, increases fertilizer uptake.  |
|   | Companion® Liquid Biological Fungicide                           | 1 tsp per gal water or 16 oz per 100 gal water (1 ml per liter water or 125 ml per 100 Liters water) | Prevents disease and stimulates root growth. Companion® and Essential® Plus can be combined in one drench. Re-apply every 2-4 weeks throughout the life of the plant. |

- Use Essential® Plus as an all-natural alternative to chemical hormones like IBA, NAA.
- Essential® Plus is made of: natural rooting hormones, sugar, a natural wetting agent, kelp, Humic Acid, and L-Amino Acids.
- Companion® is EPA registered as a biological fungicide for greenhouses, shadehouses and nurseries, for use on all plugs, vegetables, cutting, herbs and ornamentals.
- Important diseases controlled/suppressed include: Pythium, Fusarium, Phytophthora, Rhizoctonia, and Sclerotinia. It is most effective when used as a preventative.