



Natural Growing  
Through Biology

## MIXING AND SPRAY INSTRUCTIONS FOR TAINIO MICROBIAL PRODUCTS

Tainio Biologicals products contain natural ingredients, and some settling is normal. With a little care in premixing, these soluble products are easy to apply.

### Premix

#### Items Needed:

- 5- gallon bucket
- Stir stick (a drill with a mixing attachment is ideal)
- Paint filter bag or comparable gauge nylon mesh (optional)
- Water

1. Measure amount of dry product needed for spray tank size.
2. Fill bucket  $\frac{3}{4}$  full with water.
3. Pour the dry product, a little at a time, into water, stirring or mixing constantly.
4. Mix for 3 to 5 minutes.
5. Decant liquid into spray tank, leaving any un-dissolved residue in the bottom of the bucket; or pour through a filter cloth.
6. Any residual product can be poured onto the ground, or add more water and decant again.

### Helpful Hints:

- Tank size and type: Small tanks and cone tanks may need extra care in mixing, and filtering with a filter cloth is recommended.
- Nozzle size: Best nozzles for spraying Tainio products are 20 gallon per minute or larger. If using small nozzles, remove screens to prevent plugging.
- Water temperature: Warm water, if available, helps to solubilize the product more quickly. (Do not use hot water!)
- Storage of mixed solution: For best results, use all of the solution within 8 hours. If necessary to store up to 24 hours, humic acid may be added to help sustain microbial population density. Store below 80° F and keep out of direct sunlight.