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Decanting Procedure (Canada)

RootShield® HC Technical Bulletin

Under normal circumstances the use of RootShield® HC, does not require decanting. However, when using high injector ratios (above 1:100), for restricted flow drip irrigation and in certain hydroponics situations, decanting may be required. The decanting procedure is used to remove inert solids, while leaving the active ingredient (*Trichoderma harzianum* strain T-22) spores in the water.

Decanting Procedure:

1. Place 4 litres of water in a bucket. If mixing larger amounts of RootShield HC, place a maximum of 60-90 grams per 1 litre of water and skip to #4 (example 600 grams in 10 litres).
2. Place 120-180 grams (rate for 1:100 ratio for injector application) of RootShield HC in a plastic bag and add enough water to thoroughly wet the powder while gently mashing the bag. *(Fig. 1)*
3. Empty the RootShield from the plastic bag into the 4 litres of water. Use part of the four liters of water to rinse the wet RootShield HC into the bucket.
4. Continuously mix the solution until all clumps are dissolved.
5. Let the solution sit for 10 minutes. *(Fig. 2)*
6. Agitate the solution, by stirring or with a submersible pump, for 10 minutes.
7. After the 10 minute agitation, let the solution sit for <u>one minute</u>. *(Fig. 2)*
8. Carefully pour off the brown-green liquid containing the active ingredient into your stock tank (for injector systems) or spray tank. Note: the spores are not in the foam at the top of the solution. *(Fig. 3)*
9. Leave the solids (inert carrier) in the container. *(Figs. 4 & 5)*
10. Add a small amount of water to the solids to remove any remaining active ingredient. Mix for one minute, then let the solids settle for <u>one minute</u>. Add the brown-green liquid to the supply tank or spray tank and bring to final volume.
11. Be sure to agitate the supply tank during use.


Fig. 1


Fig. 2


Fig. 3


Fig. 4


Fig. 5

Remember:

1. It is important to remove as much liquid above the solids as possible. The liquid contains the active ingredient (not the foam at the top) that results from mixing.
2. The solids represent the inert carrier and not the active ingredient itself. By following this procedure, the active ingredient is released into the water and is recovered by pouring into the supply tank or spray tank.
3. Please be sure to agitate the supply tank or spray tank during application.

Always read and follow label instructions.

