

Serifel[®]

Biofungicide

Serifel[®] Biofungicide Mixing and Application Guidelines

In order to maximize disease control performance and ease of use, it is important to uniformly disperse Serifel biofungicide in the spray mix and keep it there with vigorous agitation. These instructions outline the **Best-Use Practices for selection of spray equipment and how to mix and spray Serifel biofungicide.**

Equipment Guidelines

1. Calibrate the sprayer to apply Serifel biofungicide in a spray concentration of 4 oz Serifel biofungicide in ≥ 40 gallons of water per acre. When using spray volumes of 20–40 gallons, check nozzle screens and spray rate periodically to ensure the proper flow rate is maintained. Using Serifel biofungicide in < 20 gallons/A dilution is not recommended.
2. A bypass recirculation system is recommended to provide vigorous agitation. Ideally, the recirculation intake port is at the bottom of the spray tank and is set to provide a recirculation rate that moves 10–15% of the total spray tank volume to the top of the tank every minute.
3. Use in-line strainers and nozzle screen filters with openings that are 50 mesh or larger. **DO NOT use screens with smaller openings.** Screens designated as 50 mesh are equivalent to openings that are:
 - a. 0.0117 inch (300 microns) wide
 - b. 0.30 mm mesh sieve size

Pre-Mix or Slurry and Spraying Instructions

1. Fill spray tank with approximately half the total spray volume to be applied.
2. Begin agitation with the bypass recirculation set to deliver 10–15% of the total tank volume each minute.
3. **Before adding Serifel biofungicide to the spray tank,** make a pre-slurry by mixing the Serifel biofungicide with minimum of 3 gallons of water in a 5 gallon bucket.
 - a. Pour the Serifel biofungicide slowly into the bucket while constantly stirring the product in order to not encourage product particle clumping.
 - b. Ensure the product is uniformly dispersed by stirring using a paddle or paint mixer.
4. While the spray tank agitation system is running, pour the Serifel biofungicide pre-mix slurry from the bucket into the spray tank. Finish filling the tank with the balance of the water needed to reach the final spray concentration.
5. **Constantly maintain full agitation throughout the mixing and application of Serifel biofungicide** to ensure a uniform suspension and product spray coverage.
6. Do not allow the spray mix to stand for prolonged periods or overnight. It is preferred that you only mix the amount of Serifel biofungicide that you can spray immediately.
7. Every six hours, visually check the nozzle spray rates to ensure that the flow rate is adequate. Periodically, inspect and clean the nozzle screens if necessary to maintain the appropriate flow rate.

Always read and follow label directions.

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