

# **GROUND APPLICATIONS**

## General Information

### PRODUCT INFORMATION

Chemurgic's OR-100 Super Spreader is a non-ionic organosilicone wetting agent useful in the application of fungicides, insecticides, plant nutritionals, microbial products, fertilizers and plant growth regulators in horticultural and arable crops. This product lowers the surface tension of spray solutions well below commonly used surfactants. Lower surface tension will result in more effective wetting and more uniform coverage on foliar surfaces, oftentimes resulting in a reduction in water requirements.

Chemurgic's OR-100 Super Spreader readily disperses in spray solutions and is especially suited to situations where coverage is critical, and is particularly useful in low-volume spraying and aerial applications where water coverage is a limiting factor.

**IMPORTANT:** Before spraying any previously untried mixtures with Chemurgic's OR-100 Super Spreader, always test the mixture before-hand for crop phytotoxicity.

**DIRECTIONS FOR USE:** Chemurgic's OR-100 Super Spreader will give best results in low-volume spraying—around 50% or less of the normal volume of water when sprayed to run-off. High water volumes with Chemurgic's OR-100 Super Spreader will result in excessive run-off of spray liquid and may lead to poor efficiency. Adjust either the rates of Chemurgic's OR-100 Super Spreader or the water volumes to obtain thorough coverage without excessive run-off.

### NOTES:

1. Optimum spreading and wetting from Chemurgic's OR-100 Super Spreader will occur between pH 5 and pH 9. Spray mixtures above and below these figures should be sprayed immediately, or the solution adjusted to within the correct range to avoid breakdown of Chemurgic's OR-100 Super Spreader.
2. Not all formulations of chemicals behave the same with Chemurgic's OR-100 Super Spreader. It is important to make a small amount, representative of the spray mixture, and apply it to a small area to ensure the product is providing adequate coverage. Coverage may be adjusted by either increasing the Chemurgic's OR-100 Super Spreader rate (See recommended range above), or modifying the water

volume as needed.

3. Chemurgic's OR-100 Super Spreader has demonstrated good plant safety. However, not all plants and spray mixtures have been tested. Treatments that have a potential for phytotoxicity could be aggravated by Chemurgic's OR-100 Super Spreader. Before treating large areas, a small area should be tested and the results observed.

#### Limitations, Restrictions, and Exceptions

Recommendations: Always follow the pesticide manufacturer's label for use of nonionic surfactants; however, where no recommendation is given, and addition of a nonionic surfactant is permitted, use Chemurgic's OR-100 Super Spreader between 0.025%-0.1% (3.2-13 fl. oz. per 100 gal.) for ground applications sprays.

In many applications, the water rate may be reduced from the typical "Spray to Run-off" volume by up to 70%. Therefore, water rates should be adjusted accordingly to avoid excessive run-off.

Since all equipment is set up differently, check the coverage on a small area and adjust volume to achieve the best result for your equipment before applying to large areas.

#### Method

[Broadcast/Foliar Ground](#)

#### Rates

[field rates 0](#)

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#### Timings

[N.A.](#)