

VistaSil 100

Silicone Surfactant



GENERAL INFORMATION

VistaSil 100 is a nonionic organosilicone wetting agent useful in the application of herbicides, fungicides, insecticides, plant nutritionals, microbial products, fertilizers, and plant growth regulators in horticultural and arable crops. **VistaSil 100** 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, often times resulting in a reduction in water requirements. **VistaSil 100** 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.

DIRECTIONS FOR USE

Important – Before spraying any previously untried mixtures with **VistaSil 100**, always test the mixture beforehand for crop phytotoxicity. **VistaSil 100** will give the 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 **VistaSil 100** will result in excessive run-off of spray liquid and may lead to poor efficiency. Adjust either the rates of **VistaSil 100** or the water volumes to obtain thorough coverage without excessive run-off.

Mixing

- Prior to any pesticide application, all spray mixing and application equipment must be thoroughly cleaned. Carefully observe all cleaning directions on the pesticide label.
- 1.Fill spray tank half full with water and begin agitation.
 - 2.If foaming is expected add a silicone based anti-foam to the tank before adding the pesticides.
 - 3.Add pesticides and foliar nutrients as directed on their respective labels. Maintain agitation.
 - 4.Continue filling with water until the tank is ~90% full
 - 5.Add the required amount of **VistaSil 100** and mix thoroughly. Add the remaining water to 100% full.
 - 6.For optimum results, spray mixes should be applied within 24 hours after mixing.

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 **VistaSil 100** between 0.025%-0.1% (3.2-13 fl.oz. per 100 gallons) for ground applications and between 0.05% - 0.15% (12-19 fl.oz. per 100 gallons) for aerial 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.

COMPATIBILITY

VistaSil 100 is compatible with most commonly used nutritionals, herbicides, fungicides, insecticides, and plant growth regulators. **VistaSil 100** will break down when mixed with highly acidic (below pH 4) or highly alkaline (above pH 9) chemicals, which may result in poor wetting and spray coverage.

PRINCIPAL FUNCTIONING AGENTS:

Siloxane Polyalkyleneoxide Copolymer and Polyalkyleneoxide	100%
Total.....	100%

KEEP OUT OF REACH OF CHILDREN WARNING



HAZARD STATEMENT:

Harmful if inhaled. Causes eye irritation.

PRECAUTIONARY STATEMENTS

Not for aerosol use. Use only outdoors in a well ventilated area. Avoid breathing vapors. Wear long-sleeved shirt and long pants, chemical resistant gloves, protective eyewear and shoes plus socks. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Keep and wash PPE separately from other laundry. Wash the outside of gloves before removing.

FIRST AID:

- IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
- IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
- IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance. Call poison control center or doctor for treatment advice.
- IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything to an unconscious person.

Note: Optimum spreading and wetting from **VistaSil 100** will occur between pH 8 and pH 9. Spray mixtures above and below these figures should be sprayed immediately or adjust the solution to within the correct pH range to avoid the breakdown of the **VistaSil 100**.

Not all formulations of chemicals behave the same with **VistaSil 100**. It is important to make a small amount representative of the spray mixture and apply to a small area to ensure the product is providing adequate coverage. Coverage may be adjusted by either increasing the **VistaSil 100** rate (see recommended range above), or by modifying the water volume as needed. **VistaSil 100** 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 **VistaSil 100**. Before treating large areas, a small area should be tested and the results observed.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. **Storage:** Keep in original container. Store in cool, dry place. Protect from excessive heat. Do not store below 4°C as product will freeze. **Product & Container Disposal:** Spill of contents and container in accordance with all local, regional, and national regulations.

NOTICE: The statements made on this label are believed to be true and accurate but because of conditions of use which are beyond our control, Mar Vista Resources, LLC. does not make nor does it authorize any agent or representative to make any warranty, guarantee or representation, expressed or implied, concerning this material or the use thereof, except in conformity with the statements of the label. Neither Mar Vista Resources, LLC. nor the seller shall be held responsible in any manner for any personal injury or property damage or loss resulting to the buyer or to the other person from handling, storage or use of this material not in accordance with the directions. The buyer assumes all risk and liability resulting from improper handling, storage or use and accepts and uses this material on these conditions. This product meets EPA requirements under Title 40 CFR 180.

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Manufactured for:



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NET CONTENTS

2.5 Gal

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