



Agricultural Silicone Spreading And Penetrating Agent LA-15

Description:

Agricultural Silicone Spreading and Penetrating Agent LA-15 is a Polyalkyleneoxide Modified Trisiloxane.

Equivalents: Silwet L-806;

Main content:

Polyalkyleneoxide Modified Trisiloxane CAS NO.: 134180-76-0

Product Description:

Agricultural Silicone Surfactant LA-15 is a modified Trisiloxane, and is an organic silicone surfactant with super ability of spreading. It makes the water surface tension lower down to the 20.5mN/m at the concentration of 0.1%(wt.). After the mixture with the pesticide solution at the certain proportion, it can lower the contact angel between the spray and foliage, which can enlarge the coverage of the spray. Furthermore, Runhe*620 Agricultural Silicone Spreading and Penetrating Agent can make the pesticide absorbed through the stomatal of leaves, which is extremely effective for improving efficacy, reducing amount of pesticide, saving cost, reducing environmental pollution caused by pesticides

Key Features and Typical Benefits:

Agricultural Silicone Surfactant LA-15 has super spreading and penetrating property, high-efficient systemic and conduction property, and tolerance property of rainfall.

Typical Technical Properties:

Appearance: Colourless to light amber liquid

Viscosity (25°C, mPa.s): 20~45

Surface Tension (25°C, 0.1%, mN/m): 21.0-22.0

Cloud Point (1% wt, °C): <10

Density(g/cm3): 1.01-1.03

Application:

Agricultural Silicone Surfactant can add to the biological pesticide spray mixture liquid such as pesticide, bactericide, herbicide, foliar fertilizer, plant growth regulator, etc, especially applied for systemic pharmacy.

How to Use:

1) Used of spray mixed in drum. In general, add Agricultural Silicone Surfactant LA-15(4000times) 5g in every 20kg spray. If it needs to promote the adsorption of systemic pesticide, increase the function of

Technical Data Sheet



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pesticide or reduce the amount of spray further, it should add the usage amount properly. In general, the amount is as follows:

Plant promote regulator: 0.025%~0.05%

Herbicide: 0.025%~0.15%

Pesticide: 0.025%~0.1%

Bactericide: 0.015%~0.05%

Fertilizer and trace element: 0.015%~0.1%

When using, first dissolve the pesticide, add LA-15 after the uniform mixture of 80% water, then add water to 100% and mix them uniformly. It is advised that when using Agricultural Silicone Spreading and Penetrating Agent, the water amount reduced to 1/2 of the normal (suggested) or 2/3, average pesticide usage reduced to 70-80% of the normal. Using the small aperture nozzle will quicken the spray speed.

2) Used of Original Pesticide

When the product added to the original pesticide, we suggest the amount is 0.5%~8% of the original pesticide. Adjust the PH value of the pesticide prescription to 6~8. The user should adjust the amount of Agricultural Silicone Spreading and Penetrating Agent according to different kinds of pesticide and prescription to reach the most effective and most economical result. Do compatibility tests and stepwise tests before usage.

Package &Storage:

In 20kg, 200kg plastic barrel or 1000kg, or up to clients request.

Keep in cool, dry and ventilated place. Keep away from sunlight and fire sources. Keep in unopened containers, shelf life is 24 months from the date of production. It is shipped as non-hazardous substance.

Storage beyond the shelf life does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.