



Agricultural Silicone Spreading and Penetrating Agent HY-108

Product Name: Agricultural Silicone Spreading and Penetrating Agent HY-108

Introduction:

Agricultural Silicone Spreading and Penetrating Agent HY-108 is a type of modified trisiloxane, and is an organic silicone surfactant with super ability of spreading. The water surface tension can be made to lower down to the 20.5mN/m with the concentration of 0.1% (wt.). With its mixture with the pesticide solution at the certain ratio, the contact angel between the foliage and spray can be lowered down, which can increase the coverage of the spray. In addition, HY-108 Agricultural Silicone Spreading and Penetrating Agent can help the pesticide absorbed through the stomatal of leaves, and this is very helpful in improving efficacy, saving cost, reducing amount of pesticide, lessening environmental pollution caused by pesticides

Item	Standard
Appearance	Colorless to light amber liquid
Viscosity (25°C, mm ² /s)	30-50
Surface tension (25°C, 0.1%, mN/m)	<20.5
Density (25°C)	1.01~1.03g/cm ³
Cloud point (1% wt, °C)	<10°C



Feature of Agricultural Silicone Spreading and Penetrating Agent

HY-108:

1. Super spreading and penetrating agent.
2. To reduce the dosage of agrochemical spraying agent.
3. To promote the rapid uptake of the agrochemical (tolerance to rainfall)
4. Non-ionic.

Application of Agricultural Silicone Spreading and Penetrating Agent HY-108:

1. Used as spray adjuvant: HY-108 can increase the coverage of the spraying agent, promote the uptake and decrease the dosage of the spraying agent. The HY-108 is the most effective when spray mixtures are
 - (i) within a PH range of 6-8
 - (ii) prepare the spray mixture for immediately use or within 24h preparation.
2. Used in agrochemical formulations: HY-108 can be added in the original pesticide.

Use Method:

1. Used as spray mixed in drum

In general, add HY-108 (4000times) 5g in every 20kg spray. If it needs to promote the adsorption of systemic pesticide, increase the function of pesticide or reduce the amount of spray further, it should add the usage amount properly. In general, the amount is as follows:

Item	Standard
Plant promote regulator	0.025%~0.05%

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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 HY-108 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 with 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: 20L, 200L plastic drums, or up to clients request.

Storage: Store in dry place, avoid exposing to the sun. Valid Period: 24 months

Transport on no-danger cargoes

<https://www.hengyitek.com/product/agricultural-silicone-adjuvant-spreading-and-penetrating-agent-hy-108/>

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