Entrapment® Insecticide powered by Rhexalloid™ Technology Application Guide SP

Entrapment works by changing the physical properties of the water. Therefore, proper order of addition must be followed so that performance can be maximized.

Mixing sequence:

1. Add half the water to the spray tank.
2. Turn on the agitator and add approved adjuvants (see Guidelines below) and water conditioners if they are being used.
3. Add Entrapment and thoroughly mix, usually 2 to 4 minutes.
4. Add the remainder of water and any other active ingredients if tank mix combinations are being used.
5. Allow all ingredients to circulate throughout the tank to ensure a uniform tank mix.

Application Guidelines

- As Entrapment must come into direct contact with the target pest, ensure that the intended spray volume is sufficient to provide thorough spray coverage.
- Avoid the use of “rain drop” nozzles or nozzles that produce a coarse spray.
- Configure spray nozzles so that all surfaces that the target pest inhabits will be covered. Entrapment droplets will adhere to the leaf surface, even when sprayed on vertical surfaces or the underside of leaves.
- If spray deposition aids, stickers or drift control adjuvants are required, only Attune’s Ampersand, Accomplice, or adjuvants “Powered by Attune” are labeled for use with Entrapment.
- DO NOT USE SURFACTANTS OR SPREADERS as they reduce the surface tension of spray droplets which can inactivate Entrapment, and are not labeled for use.

Creating the Optimum Trap

Select spray equipment, nozzles, and spray pressures that will provide uniform coverage and produce small to medium sized drops, ideally drops that are 150 to 300 microns in diameter.



✅ Ideal droplet size and spray coverage



❌ Suboptimal droplet uniformity and poor spray coverage

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Use Rates

- Entrapment efficacy is optimized when droplet surface tension is correct for the size of the pest.
- The use rate of Entrapment largely controls the surface tension and strength of the droplet.
- Attune adjuvants often improve Entrapment performance which may allow for a reduction in use rate.
- The use rates in the adjacent table are designed to maximize the efficacy of Entrapment when applied alone or in combination with Attune approved adjuvants.

Pest	SP Alone	SP + Ampersand	
	Use Rate	SP Use Rate	Adjuvant Use Rate*
Citrus Rust & Broad Mites Two Spotted & Pacific Spider Mites	0.0625% 0.125%	N/A 0.0625%	N/A 0.0625% - 0.125%
Scales Thrips	0.125%	0.0625%-0.125%	0.125%
Aphids Whiteflies Plant Bugs	0.25%	0.0625%-0.125%	0.125%
Pear Psylla All Other Psyllids	0.125% 0.25%	0.0625%-0.125%	0.125%
Chinch Bugs Leafhoppers	0.5%	0.125%-0.25%	0.25%

*any Attune approved adjuvant

Spray Volumes

- Unlike many pesticides, whose use rates are based on the amount of product/active ingredient per acre, Entrapment use rates are expressed as a percent of the spray volume.
- The amount of Entrapment for each use rate and common spray volumes is shown in the table below.

Entrapment Use Rate	Fluid Ounces of Entrapment at Different Spray Volumes (g/a)					
	10	25	50	75	100	250
0.0625%	0.8 fl oz.	2 fl oz.	4 fl oz.	6 fl oz.	8 fl oz.	20 fl oz.
0.125%	1.6 fl oz.	4 fl oz.	8 fl oz.	12 fl oz.	16 fl oz.	40 fl oz.
0.25%	3.2 fl oz.	8 fl oz.	16 fl oz.	24 fl oz.	32 fl oz.	80 fl oz.
0.5%	6.4 fl oz.	16 fl oz.	32 fl oz.	48 fl oz.	64 fl oz.	160 fl oz.

Storage

- Although it does not affect product efficacy, in cold temperatures (less than 50 degrees F), Entrapment will thicken in the jug and may be difficult to pour.
- For ease of use, warm product to a minimum of 50 degrees F prior to using in cold conditions.
- Additional agitation time will disperse Attune insecticides into water when it is thicker.

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