

Guide to Granular Formulation

HOW TO MAKE AQUAPRENE™ WP SAND GRANULES ON-SITE

INTRODUCTION

Sand granules improve the delivery of active ingredients to water by effective penetration of vegetative canopy, as well as provide greater ease of application. **Aquaprene™ WP** can be easily formulated into a sand granule as follows.

PREPARATION INSTRUCTIONS

For example, to make a 100 pound batch of **Aquaprene WP** sand granules use a cement/rotating type mixer and the following materials:

- 99.0 lbs. washed, dry sand
 - 0.1 lb. of ISP PVP/VA W-635
 - 0.5 lb. of water
 - 2 pouches of **Aquaprene WP**
 - 0.10 lb. of Microcel-E Drying Agent
1. Make a tack solution by thoroughly mixing 0.1 lb. of ISP PVP/VA W-635 in 0.5 lb. of water.
 2. Place the tack solution in a hand sprayer equipped with a flat fan or cone spray nozzle and pressurize the sprayer.
 3. Place 99.0 lbs. of dry sand in the mixer. While mixer is rotating, spray the tack solution onto the dry sand until the face of the rolling granules begin to drag (indicating a uniform tacky coating on all granule particles).
 4. Cut open two **Aquaprene WP** pouches and slowly add the powder to the top of the rolling face of granules until all the **Aquaprene WP** powder is delivered and the granules begin to roll freely. Continue to blend the granules for 2 more minutes.
 5. Next, stop the mixer and add 0.10 lb. of Microcel-E drying agent. Cover the mixer opening to reduce airborne dust. Start mixer again, and run for 3 minutes
 6. Discharge finished granules into containers for transport to the field.

APPLICATION RATES AND METHODS

Apply granules to mosquito breeding sites as pre-hatch or post-hatch applications, in accordance with the product label, at an application rate of 5.0, 7.5 or 10.0 lbs. per acre using standard granule application equipment. Refer to the chart below to select the dosage rate, application rate per acre and the number of pouches required to make a 100 lb. batch of **Aquaprene WP** sand granules. Apply the quantity of tack solution as necessary to attach larger quantities of **Aquaprene WP** on sand granules.

Dosage Rate (In Pouches)	Granule Application Rate/Acre (lbs.)	Pouches of Aquaprene WP to 99 lbs of washed sand
1	5.0	4
1	7.5	3
1	10.0	2
2	5.0	8
2	7.5	6
2	10.0	4
3	5.0	12
3	7.5	9
3	10.0	6
4	5.0	16
4	7.5	12
4	10.0	8

For directions for use, limitations and precautions, carefully read label attached to container.

For information, call 1-888-846-7233 or visit our web site: www.aquaprene.com

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