Time Study Comparing using Nibor-D with Foaming Machines

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Nibor-D + IGR Insecticide Aerosol Foam

Nibor-D has been available to the pest control industry for some time in a dry water-soluble formulation. Based on the need it can be used as a dust, mixed with water as a spray, or used in foaming equipment. It's track record of effectiveness is unparalleled particularly against small flies and german roaches in commercial kitchen environments.

In late 2022 the product became available in a foam aerosol formulation mixed with an IGR. The container holds 21 ounces of product with the two active ingredients, Disodium Octaborate Tetrahydrate at 5% and Pyriproxyfen at .018%. Two spray tips are packaged in each case. A standard spray pattern aerosol tip on the can and an optional hose tip for reaching into drains and similar areas.

The account where the comparison is being done has been under a Nibor-D program for some time using the material as a dust and in a foamer. The foam units used for regular service were the Power Cart 2000 and to lesser extent the Mini Sprayer from Airofog. The restaurant location is a 6500 square foot full service operation with a bar. It is open seven days a week for lunch and dinner. Pest control services are provided on a regular basis twice per month. One service is a night time full program visit and the second is a day time communication event before opening. This allows full interaction with the staff and complete assessment of the site each month.

 The use of the new Nibor-D Insecticide Foam + IGR began on November 22, 2022 during an evening service at the restaurant. Both sets of the prior use foaming equipment was on site for the event as well. The new product was used with the application tube that comes in the case. Applications were made into the drains that were previously treated with the foam units. This application was successful and easy to do. Treatments were also attempted into wall voids and equipment spaces that were foamed on prior visits. This did not work as well since the tube system wouldn't allow a precise application. In all two cans of the product were used with some waste.

On December 8, 2022 service was done using the Nibor-D aerosol product alone without bringing the foaming equipment. The applications were made using the original tube applicator and another shorter stiffer tube that fit the same cap. Treatments were to 12 floor drains and to void areas appropriate for foam applications. This service went well using the two different tips. There was a time saving in comparison to using the foam units. Normal service time on these accounts was 1.5 hours. The time saving breakdown would be as follows.

1. Set up time for foamers and mixing of the proper products to be used. This process would normally take 20 minutes to complete.
2. Power Cart 2000 service process time moving the equipment, finding a plug, wrangling extension cord and the hose. This adds at least 15 minutes to the service time.
3. Cleanup for the foamers and resecuring in the service vehicle. This process must be done for any foam units used during the service. Otherwise, the devices will not operate properly for the next service. This adds 20 minutes to the service time.

Total time saving - 55 minutes of work time for the account. A service time reduction of 61%

Using Nibor-D Insecticide Foam + IGR is a time saving and service effectiveness gain for the PMP. The active ingredients are placed where they will be most effective in a far more precise manner. The product alone is a baseline material particularly for small flies and german roaches in commercial kitchens.

Aside from the service activity savings there is also less waste of properly utilized product. The cans are easily deployed to the service vehicles taking up far less space and are more convenient for a trained technician. There is also the portion control aspect with M&S so material waste in trucks and on job sites is less.

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