



**Flea control is based on eliminating the adult fleas in their habitat-household pet(s), and eliminating the larvae in their habitat-household carpeting.**



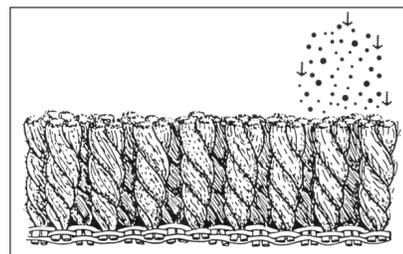
**“On-animal products take 10-14 days to show results”**

*Bill Robinson*

The on-animal products for treating dogs and cats provide long-term control, but they take 10 -14 days to show results. Flea control must include this step otherwise there will be continued re-infestation.

Eliminating the larvae involves treating household carpeting with liquid insecticide. This treatment will also control stray adult fleas that recently emerged and have not jumped on the first passing dog or cat. The objective of treating carpeting is to deliver insecticide close to the base or bottom, which is where flea larvae remain.

**Vacuuming.** A thorough vacuuming before treatment can remove organic matter (including dried feces from adult fleas) that larvae feed on, and it may slightly increase penetration of spray droplets into the carpet pile. However, vacuuming can only remove about 20% of the flea larvae, so as a control strategy it is not effective.



**Spraying.** Flea larvae are not evenly distributed in the carpeting. They are concentrated in locations where the household pet(s) spend time sleeping, sitting (waiting for the door to open), or the spot they land on when they jump off the bed, chair, or couch. The jump spot is where flea eggs and dried feces from the adult fleas are dislodged; larvae remain at these spots. Treating these locations is very important, but it will take help from the customer to identify them all.

A coarse fan spray will deliver droplets to the top layer of carpet pile, but will not penetrate to the bottom. Increasing the pressure in the tank will not increase penetration. Actually, increasing pressure will result in making small droplets that will drift to non-target sites (fish tanks, bird cages). Using a fine fan spray will not increase penetration, and also produces small droplets. Spraying should include overlapping the pattern about 7 inches to get complete coverage. Start 'flea control season' with a new nozzle-this will ensure proper delivery rate and an accurate spray pattern.





# FLEA TREATMENTS



## Why pay 60 cents per oz chemical cost when you can do the same job for 2 cents per oz?

Aerosols have their place in your application tool-box. But when it comes to fleas, you may want to use the time tested B&G sprayer.

Here's why:

**1. Cost:** aerosols usually run between \$.60 and up per ounce of chemical. An ounce of diluted chemical in the B&G sprayer costs just a penny or two. This is a staggering 60 times less! Is it worth paying 60 times more for chemical in an aerosol, just for convenience?

**2. Application efficiency:** The particle size generated by the course fan spray setting on the B&G sprayer's 5800 tip is typically in the 240 micron range - large enough to quickly fall on the surface when released as a spray. Aerosols generate a smaller particle size (some less than 50 microns) which permits them to drift. While drift is undesirable under any circumstances, it's especially negative inside. The B&G sprayer produces the optimum size droplet and spray pattern for on-target flea treatments inside.

**3. Zero VOCs:** aerosols are often formulated with volatile organic compounds which can make them less environmentally friendly. Water based dilutions used in the B&G compressed air sprayer usually have zero volatility making them much friendlier and greener.



### Routine tip cleaning is good for your bottom line



**B&G  
5800 4 way tip**

Dirty spray tips waste chemical by impairing the spray pattern which can also impair the judgement of the applicator. How so you ask? An impaired spray pattern makes it harder for the technician to apply the proper amount of chemical on a target location. Imagine a spray pattern that is supposed to be 50° and because of build-up inside the orifice comes out at 35°. This can cause the technician to re-apply chemical to cover the area missed on the first application.

With a properly functioning tip, you can spray a fan pattern of between 20" and 24" wide from a height of 14" - 18". If your fan pattern is impaired and you're operating with a 50% blockage, your fan pattern could be covering 10" - 12" on each 'pass'. This can double application time and increase chemical use. Tip cleaning is like changing the oil in your car. It is a simple and inexpensive task that has multiple benefits.

B&G tips are precision machined from quality brass. The orifices and bevels are designed to deliver a measured output. Brass does wear and you should replace your tips at least every 2 years. Tip wear will increase liquid output and even 10% more chemical on each application adds up at the end of the fiscal year - and even month. **Have you checked your tips today?**

**From top to bottom:**  
Standard 1 gallon sprayer with 9" extension; Green Sprayer with 18" extension, and the Accu-Spray Pro

The 1 gallon sprayer with 9" extension is best for most technicians because it permits a natural spray height of 14"-18" which delivers 20"-24" spray pattern.

The Accu-Spray Pro is great for small spray 'touch-up' treatments.

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