



## **Chrisal Probiotic ABC's for Back Yard Poultry Growers**

*Improve bird health, reduce odors & decrease the risk of infection  
by maintaining healthy microbe populations in barns, sheds and bedding*

### **(C) Misting Coop Areas & Poultry with Chrisal Water PLUS or PEC+**

1. Use a hand sprayer, fogger, backpack sprayer or misting system that will evenly spread a fine mist over all walls, boxes, floors and indoor areas that the chicks & birds will inhabit.

2. When using **Water Plus** or **StaBiotic™ Mist Probiotic Environmental Control (PEC)** For homes, 4 to 6 ounces of product per gallon of water works well, but for poultry, the **stronger the better**. So diluting the concentrate with 20% to 50% water is best. For every liter or quart (32 ounces) of concentrate, add between 6 to 16 ounces of water into your sprayer.

One liter/quart of **W+** or **PEC+** will cover 8,000 square feet. A 10' x 20' area only Requires a few ounces of product (For a 200 sq. ft. shed, put 2 ounces of product into the sprayer and add 1 to 2 ounces of water and then lightly mist the entire shed area including misting the birds and/or chicks. The water amount may be adjusted for variables such as sprayer type, time of year and barn size (in really weather, more water can be used)

3. When applying, use a very fine, light mist several feet up into the air to reach all walls, floors, bedding, feeders and equipment. Do not make areas wet.

The application schedule is:

- Day 0 (the day before the chicks arrive), mist the bedding & entire area
- Then mist on day 1, when the chicks are placed - and once every three days thereafter.



- **Shake the concentrate before diluting** - Probiotic bacteria settle at bottom when undisturbed.
- **Water Temperature** - Between 50°F (10°C) and 140°F (60°C) maximum. Cool water is OK.
- **Do not let Chrisal products freeze or be stored in direct sunlight.**
- **Coverage** - use 2 oz of **W+** or **PEC+** mixed with 2 oz of water per (500 ft<sup>2</sup>) applied in a light mist.  
**Note:** for regular PEC instead of PEC+, just double the amount of concentrate used.
- **Cover Everything** - Birds, walls, water lines, drinkers, feeding trays, fans, doorknobs, entrances and roost(s), nesting boxes and everything you and the birds touch..!
- **Mix only what you need for a few days** – because when you add water to the **W+** in the sprayer, this “activates” the dormant probiotic bacteria which then are at full strength for 5 days. So best to mix up small batches of diluted product every few days (& also why to keep the concentrate pure).
- **Chrisal Water Plus & StaBiotic™ Mist is safe for everyone** - They are pure water & stabilized probiotic bacteria. Gloves and masks are not needed & spray on your bed to control Dust Mites.
- **If disinfectant products are used for any reason** - Use them *prior* to Chrisal's products are used. Once the disinfectant dries it is inert and will not harm the probiotic bacteria.
- **Wash hands for better hygiene-** Use Chrisal's hand/body wash before and after handling birds.



For Re-orders or Questions call **281-627-8009**

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