



PIP Animal Housing Cleaner

## PIP ANIMAL HOUSING CLEANER (AHC)

### • Cleaning Barns & Equipment with AHC

1. Remove bulky waste / bedding material
2. Dilute AHC with water at a rate of 5 parts AHC to 95 parts water (5%). Ideal water temperature is approx. 40° C. (104 F) Water not to be hotter than 60° C. (140° F) Cool water may be used.
3. Use a foaming attachment on hose or pressure washer to evenly distribute a layer of foam over the entire area to be cleaned. (floors, walls, doors, hoses, equipment, farrowing crates, feeders, fans, walkways, ceiling, dusty ledges, etc )
4. Let foam sit for 10-20 minutes, then pressure wash / rinse with clean water.
5. Remove standing water with squeegee to ensure removal of contaminants in the waste water.

### • Cleaning Water Lines & Tanks with AHC

When **no** animals are drinking from the water system, fill water lines with a 1% AHC solution and let it sit for several hours or overnight in the water lines. **FLUSH LINES THOROUGHLY** with clean water to remove loosened biofilms before allowing animals to drink water. *Do not let animals drink the flushed waste water. AHC is non-toxic, however the loosened biofilm residues can be toxic.* Once the water lines have been cleaned, PIP Plus Water can be used to maintain biofilm free lines when animals are drinking from the water system.

### • Using AHC to Wash Animals

AHC can be used to wash sows before they are placed into the farrowing crates. Gently foam and scrub AHC onto the animal, allowing the foam to stay on for a few minutes when possible. Rinse thoroughly. AHC cleans thoroughly, removing dirt and debris without irritating or drying the skin. Probiotic bacteria remain on the skin even after rinsing and work for several days to reduce the risk infection, and decrease skin irritations. AHC is not caustic or toxic to you, the animals, or equipment.

### Notes for AHC

- ⇒ Contains non-toxic detergent and probiotic bacteria to effectively remove biofilms, odours and pathogens, leaving a clean, healthy environment.
- ⇒ Always shake PIP products before using as the probiotic bacteria settle out if undisturbed.
- ⇒ Water temperature range for best results is between 20° C (70° F) to a maximum temperature of 60° C (140° F). Cool water may also be used.
- ⇒ Coverage—1L of AHC usually covers 100 m<sup>2</sup> (1000 ft.<sup>2</sup>) depending upon applicator used.
- ⇒ A layer of probiotic bacteria will be left on surfaces (even after rinsing) and remain active for 3—5 days when temperatures are above 10° C.
- ⇒ Adding water to PIP 'activates' the dormant probiotic bacteria. Once activated they will expire in 3-5 days. Only mix up (dilute) enough product to be used within one or two days.
- ⇒ Do NOT add water into the concentrate container.
- ⇒ When foaming, foam everything—fans, walls, floors, equipment, pipes, feeders, etc. The goal is to remove all biofilm and dust.
- ⇒ Un-diluted concentrate is shelf-stable for two years after manufacture. Do not let PIP products freeze and keep out of direct sunlight.
- ⇒ AHC is non-toxic, non-corrosive and also safe to use for bathing animals.
- ⇒ AHC environmentally friendly and helps reduce biofilms in drains. Will not harm microbial action in manure tanks or septic systems.
- ⇒ *If disinfectant products must be used:* Use them prior to using PIP products. Allow the disinfected area to dry thoroughly, then use PIP products as directed. Once most disinfectants have dried they become inert (harmless) and will not harm the probiotic bacteria in PIP products.
- ⇒ It take approximately 60-90 days for the probiotic bacteria to become fully dominant in an area and routine use of disinfectants can interrupt this. Using disinfectants only when necessary will help keep the probiotic bacteria dominant on surfaces and in the barn environment.
- ⇒ Contact us if you have additional questions.



## PIP ANIMAL HOUSING STABILIZER (AHS)

### • Misting or Fogging with AHS

1. Use a backpack sprayer or fogger, or overhead misting system that will deliver a fine, uniform mist of AHS over bedding, animals, drinkers, feeders, pipes, pens, crates, door knobs, dusty ledges, etc.
2. Use 1L of AHS per 400 m<sup>2</sup> (4300 ft.<sup>2</sup>) A maximum of 200 ml water per 1L may be added as an “extender” if needed to stretch the 1L of product to get proper coverage. Do not overdilute.
3. Apply AHS up into air and allow to drift down onto all surfaces without making areas wet. Variables such as sprayer type and speed of walking can affect the amount of coverage obtained.
4. The application schedule is: When starting, apply daily for the first week then apply every three days for routine use. In highly contaminated areas or when problems are anticipated, apply daily.

### • Using AHS in the farrowing rooms

The farrowing room is on a routine AHS misting program (every three days) to maintain high probiotic surface counts and minimize the risk of infections. AHS may be misted (as directed above) sparingly over the entire nursery/farrowing area including over the sows and new piglets.

## PIP PLUS WATER (+W)

*Once water lines/tanks have been cleaned with AHC, they can be easily maintained with PIP Plus*

### • Maintaining Clean Water Lines and Tanks

Adding PIP Plus Water into water lines or water tanks with a metered dosing system (or manually) helps remove and control biofilm and algae buildup.

**Dilution Rate:** 100 ml (cc) Plus Water for each 1000L (265 us gal.) of water. Biocides and antibiotics can not be used with Plus Water. UV lights must be used prior to adding Plus Water. pH Range: 5.5-9.0 Temperature Range: 5°C—70°C

### Notes for AHS and + W

- ⇒ Contains probiotic bacteria that remove biofilms, reduce harmful bacteria and decrease odours and ammonia, leaving a clean, healthy environment.
- ⇒ Always shake PIP products before using as the probiotic bacteria settle out if undisturbed.
- ⇒ Water temperature range for best results is between 20°C (70°F) and 60°C (140° F). Not hotter! Cool water may also be used.
- ⇒ A layer of probiotic bacteria will be left on surfaces and remain active for 3—5 days when temperatures are above 10° C. (50° F)
- ⇒ Adding water to PIP ‘activates’ the dormant probiotic bacteria. Once activated they will expire in 3-5 days. Only mix up (dilute) enough product to be used within one or two days.
- ⇒ Do not add water into the concentrate container.
- ⇒ Mist/fog everything—fans, walls, floors, equipment, pipes, feeders, etc. The goal is to place probiotic bacteria onto every surface in the barn. Will not harm animals or people.
- ⇒ Un-diluted concentrate is shelf-stable for three years after manufacture. Do not let PIP products freeze and keep out of direct sunlight.
- ⇒ AHS & Plus Water are non-toxic, non-corrosive, environmentally friendly and will not harm aquatic life.
- ⇒ *If disinfectant products must be used:* Use them prior to using PIP products. Allow the disinfected area to dry thoroughly, then use PIP products as directed. Once most disinfectants have dried they become inert (harmless) and will not harm the probiotic bacteria in PIP products.
- ⇒ **It take approximately 60-90 days of routine PIP use for the probiotic bacteria to become fully dominant in an environment. Routine use of disinfectants can interrupt and deplete the dominance of a probiotic microflora. Use of disinfectants only when necessary will minimize this removal of the probiotic bacterial colonies PIP has established.**
- ⇒ Contact us with your questions.