



## [POULTRY GUARD PLAYBOOK]

The Amazing Doctor Zymes Poultry Guard is a revolutionary green solution that kills and eliminates insects, fungus, molds, mildews, viruses, and bacteria causing disease on your chickens, in chicken houses, and farms. Use Poultry Guard year-round for a pest free, clean, healthy poultry farm. Safe around kids and pets. When used as a preventative, it will prevent infestations from taking over your poultry farm.

# The Amazing Doctor Zymes Poultry Guard

## DESCRIPTION

**Stop Pests, Mites, Ticks, Fleas, Mold, Fungus, Mildew, Viruses, and Bacteria Causing Disease With The Same Spray!**

**The Amazing Doctor Zymes Poultry Guard** is a natural, dual-purpose, non-toxic, bacteria and chemical-free product with the power to kill insects and eliminate odors. This means more productive, happier, and healthier birds. By managing the below listed poultry pests with Poultry Guard, you can decrease hindrances to meat and egg production.

Our proprietary formula acts quickly, also deterring death loss to older birds, weak birds, and young chicks. Poultry Guard uses naturally occurring organic materials in combination with citric acid and other biologically stimulating ingredients to produce a fungicide/insecticide with multiple modes of action. When used as a spray, **this product needs to make full contact with the pest** in order to be effective, but once it does it kills and eliminates all life stages by:

- Interfering with the pest's ability to breath.
- Fatally breaking down proteins and organic materials in pest eggs.
- Acting as a deterrent when you create a barrier at the bottom of your chicken house(s).

**Citric acid catalyzes mold and mildew control by:**

- Digesting the biomass of the pathogen.
- Altering the pH to create an environment hostile to new growth.

**The Amazing Doctor Zymes Poultry Guard** can be used preventively or to eliminate active infestations. However, for best results it should be used before infestations are severe. It can be applied as a spray, poultry dip, bedding amendment, etc.

**Additional Benefits Include:**

- OMRI listed as Eliminator under Crop Pest, and Disease Control.
- No growth stage limitations. Can be used in all growing stages.
- No Pre-Harvest Interval (PHI).



- Can be added to nearly any Integrated Pest Management (IPM) program.
- Non-GMO, gluten free and made with food-grade ingredients.
- Non-bacterial proprietary formulation.
- Can be used from time of chick through post-harvest. Leaves no harmful residue.
- Can be sprayed into cracks and crevices on walls, ceilings and floors of chicken house.
- Suitable for cleaning equipment and tools.
- No special clothing or handling required.
- Safe for people, pets, and the planet.

**Suggested Uses:** To control odor, control and kill indoor and outdoor pests, poultry mites, lice, ticks, fleas, etc., to prevent and eliminate pests in chicken house, and farm.

**This Product Controls These Pests or Diseases:** Kills the adults, larvae and eggs on poultry mites, ticks, fleas, bed bugs, aphids (*Aphidoidea*), thrips (*Thysanoptera*), fungus gnats (*Sciaridae*), spider mites, aphids (*Rhopalosiphum rufiabdominale*), russet mites and whiteflies (*Aleyrodidae*). Also eliminates fungus, molds, mildew, and bacteria causing disease.

## INSTRUCTIONS

### High Impact Pest Recommendations:

When combating mites, fleas, bed bugs, and ticks we recommend a soil drench around the chicken house at 2 cups per 5 gallons of water to kill larvae and eggs, coarse spray or dip each chicken, spray inside the chicken house 3-5 days in a row and continue until you see no sign of pests, then once weekly for preventative maintenance. For severe infestations and pest pressure, use every 3rd day at ½ cup per gallon of water. Some infestations are worse than others and may take longer to eliminate. Use Poultry Guard as a preventative by spraying weekly to keep them away.

**To kill poultry mites and lice:** Add 1 oz of Poultry Guard to 31oz of warm water, or 4 oz of Poultry Guard to 124 oz of warm water between 70-90°F. If spraying coop, spray infected area, floors, walls, ceiling, and in cracks and crevices. No need to rinse. When spraying on adult birds, keep away from birds' eyes to avoid irritation. For a severe infestation, stroke feathers in a gentle opposite direction and spray underneath to target pests. Use a coarse sprayer to ensure formula reach the skin to make contact with pests. Ensure extremely young, old, or ill birds are kept warm until product dries. You can dip birds but ensure that you do not immerse their heads. As a preventative, spray coops and nesting areas weekly to keep pests away. Use monthly as a preventative.

**To kill fleas or beetles:** Add 8 oz of Poultry Guard to 120 oz of warm water between 70-90°F. If spraying coop, spray infected area, floors, walls, ceiling, and in cracks and crevices. No need to rinse. If spraying on adult birds, keep away from birds' eyes to avoid irritation. For a severe infestation, stroke feathers in a gentle opposite direction and spray underneath to target pests. Ensure extremely young, old, or ill birds are kept

warm until product dries. You can dip birds but ensure that you do not immerse their heads. As a preventative, spray coops and nesting areas weekly to keep pests away. Use monthly as a preventative.

**To clean bedding area or cages:** Add 4 oz to 8 oz of Poultry Guard to each gallon of warm water between 70-90°F. Do a thorough cleaning of entire poultry house by removing all bedding and litter from coop. Spray everything including all cracks and crevices. If severely infested, burn bedding and replace. Spray weekly for maintenance while chickens are not laying or nesting.

May be used in a mister for commercial farms. Use as directed. Also recommended to spray the grounds around the poultry house for severe infestation.

**Application Rates:** When diluting with water, prepare only the amount needed for immediate use. This product should not be mixed with any other products, including other pesticides, fungicides, or wetting agents.

- Weak Solution – 0.5 oz per 31.5 oz. of warm water. Recommended for powdery mildew control.
- Medium Solution – 1-1.5 oz. per 31 oz. of warm water. Recommended for control of soft-bodied insects.
- Strong Solution – Add 2-2.5 oz. per 30 oz. of warm water. Recommended for high pest infestations.
- Large Volume Applications – ½ - 1 cup per gallon of warm water.

The Amazing Doctor Zymes Poultry Guard can be applied with equipment such as trigger sprayers, gallon pump-up sprayers, fogging equipment, fixed-head sprayers (time or manual release), motion sensor sprayers and sponge application systems.

### **Important Application Information:**

For sprays (from a distance of 8-12 inches) – Apply to all surfaces of the chicken house and saturate the bird (excluding the face), taking care to make complete coverage (in-between feathers, bedding, walls, etc.). If you have an infestation, make sure you spray the grounds around the outside of the chicken house. Directly spray listed pests whenever possible. To ensure good coverage, spray until the area is wet, but not to the point of runoff. Take care to avoid spraying on beneficial insects. Do not spray directly on bees or at times when bees are active.

	Use	Amount/bird	Notes
Bird	High Pressure Spray	8oz/120oz water, Coarse Spray each bird	Warm water 70-90F, make skin contact
House/Cage	Spray, Fine Mist, Fog	4-8oz/1gal	Remove bedding, spray everything
Yard	Drench	1cup/5gal	Grounds around house if infestation

- The citric acid in Poultry Guard is derived from a fermentation process and can cause phytotoxicity if used in direct sunlight or in ambient temperatures over 90°F. **Always test on small area before using to ensure no collateral damage.** If spaying birds outside, use product in the evening when sun is off your birds and the room or outside temperature is below 80°F. Do not spray in direct sunlight.
- The water that is added to Poultry Guard should be between 78-90°F. Cold water works, but it takes longer to see the results.
- pH is an important factor in the success of this product. We recommend that your water pH be between 6.0-7.0 before adding Poultry Guard. **Do not adjust your pH after you add Poultry Guard.**

**Storage:** Keep away from children and pets. Store in original, tightly closed container in a cool (ideally between 50-75°F, do not allow to freeze or to exceed 120°F), dry area out of direct sunlight. The formula is effective up to 2 years as long as nothing gets in to contaminate the formula. Non-refillable container, do not reuse or refill this container. Recycle empty container, or discard in trash.

**Active Ingredients:**

0.10%.....Citric Acid  
 99.90%.....Other Ingredients\*  
 \*Water, Yeast and Potassium Sorbate