

**SPRAY APPLICATION OF AVIGUARD®**  
**USING AVIGUARD AUTOSPRAYER**



**IMPORTANT: STORE AVIGUARD® IN THE REFRIGERATOR UNTIL YOU ARE READY TO USE. DO NOT STORE OPEN PACKETS.**

**PREPARATION OF AVIGUARD SOLUTION.**

**STEP 1 - WEAR A PAIR OF GLOVES AND A DUST MASK**

**STEP 2** - Measure out **250ml** of **CHLORINE FREE WATER** per **1000 birds** into a clean bucket. Add a further **200ml** to the total volume calculated, to allow for filling of spray lines and priming of the pump.

**STEP 3** - Gently mix **AVIGUARD®** into the water. **1 dose per bird is required** (e.g. for 25,000 birds use 25,000 doses in 6.25 litres water + 200ml = 6.45 litres), and allow solution to stand for 10-15mins.

**AVIGUARD® should be used within 1 hour of mixing the product in water.**

**STEP 3** – Ensure all of the powder has dissolved and then pour the **AVIGUARD®** solution into the vessel of the “AVIGUARD AUTOSPRAYER” and replace lid. If you have more than 10 litres of solution, cover the remainder and leave in a cool place until you are ready to use.

**APPLICATION**

**STEP 1** - Calculate the volume of **AVIGUARD®** solution required per box of birds. .  
**Ideally, 0.25ml of AVIGUARD® solution is required per bird** e.g. for 125 birds per box :

$$0.25\text{ml} \times 125 \text{ birds} = 31.25 \text{ ml per box} .$$

**STEP 2** – To obtain the required dose rate using the “AVIGUARD AUTOSPRAYER”, select the most appropriate coloured nozzle:

Orange = 6 ml per shot  
Green = 8.5ml per shot  
Yellow = 11 ml per shot  
Blue = 15ml per shot

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If 125 chicks in a box, recommend using Blue nozzle, (15ml), and dosing 2 shots over each box i.e.

$$2 \times 15\text{ml} = 30\text{ml per box (0.24ml per chick)}$$

### **OPERATING SPRAYER**

**STEP 1** –Ensure that sprayer is **fully charged** prior to use (4 hours continuous use is then available to user)

**STEP 2** - To activate sprayer, **depress red button on the side of the battery pack/pump** unit.

**STEP 3** – Holding the lance whilst pointing down vertically, depress the thumb trigger on the lance handle and hold. The spray will be discharged for approx. 1 second. Several initial doses should be sprayed to **prime the system** to obtain a uniform spray.

**STEP 4** - Place the boxes of birds in a row on the floor and start spraying. **Lighting needs to be up.** Apply the pre-determined amount ensuring that all birds are covered. The spray lance should be moved smoothly over the birds, passing backwards and forwards.

**STEP 5** - **Wait a minimum of 30 minutes from the time you started spraying before you tip the birds.** This gives the birds time to peck the AVIGUARD® off each other and ingest it. Check birds frequently to ensure they do not smother in boxes.

**STEP 6** - When application is completed, **wash equipment** through with warm water. Discharge 20 – 50 shots through the system to clean out spray lines thoroughly.

**STEP 7** – De-couple lance at the union nut to release any residual water held in the spray line.

**STEP 8** – **Press red button on pump unit to switch off.**

**STEP 9** – **Re –charge sprayer before next use. Plug in charger to charging socket in the side of pump unit. Red light on charger will go off when sprayer is fully charged.**