

**AVIGUARD IN DRINKING WATER VIA A DOSATRON PUMP**



1. SWITCH OFF WATER SANITISERS 48 HOURS PRIOR TO AVIGUARD® APPLICATION AND LEAVE THEM OFF UNTIL 48 HOURS AFTERWARDS. ONCE THE AVIGUARD® GUT FLORA IS ESTABLISHED IT IS STABLE AND IT IS SAFE TO USE THEM AGAIN.
2. THE TREATMENT PERIOD FOR AVIGUARD® GIVEN VIA THE DRINKING WATER SHOULD BE 4 - 6 HOURS. THE LIFE OF THE BACTERIA IS LIMITED SO THE SHORTER THE PERIOD THE BETTER, HOWEVER, YOU MUST ALLOW ENOUGH TIME FOR EVERY BIRD TO DRINK. AN IDEAL TIME TO TREAT WITH AVIGUARD® IS IMMEDIATELY AFTER THE DARK PERIOD AS FEEDING AND DRINKING ACTIVITY WILL BE AT A MAXIMUM DURING THIS TIME.
3. ENSURE THAT THE WATER IS FREE OF CHLORINE OR ANY WATER SANITISERS. USE A CHLORINE NEUTRALISER SUCH AS VAC-SAFE (INTERVET), VAC-PAC PLUS (MERIAL) OR AVI-BLUE (LOHMANN).
4. CALCULATE THE WATER CONSUMPTION OF THE BIRDS FOR THE REQUIRED TREATMENT PERIOD I.E 4 - 6 HOURS
5. LOOK AT THE SETTING ON THE DOSATRON (THERE ARE VARIOUS DIFFERENT MODELS WHICH VARY IN SCALE E.G 0.2% - 1.6% IS A COMMONLY USED RANGE)
6. YOU WILL NEED TO MIX THE AVIGUARD WITH CHLORINE-FREE WATER TO MAKE UP A STOCK SOLUTION. THE AMOUNT OF STOCK SOLUTION (I.E. AVIGUARD® + STABILISER (E.G. VAC-PAC PLUS) + WATER) REQUIRED DEPENDS ON THE WATER CONSUMPTION OF THE BIRDS DURING THE TREATMENT PERIOD AND THE DOSATRON SETTING, AND CAN BE CALCULATED AS FOLLOWS:

$$\begin{array}{lcl} \text{VOLUME OF STOCK} & = & \text{WATER CONSUMPTION DURING} \times \text{DOSATRON} \\ \text{SOLUTION REQUIRED} & & \text{REQUIRED TREATMENT PERIOD} \quad \text{SETTING} \\ \text{(litres)} & & \text{(litres)} \quad \text{(\%)} \end{array}$$

*EXAMPLE:* YOU WISH TO MEDICATE OVER A 4 HOUR PERIOD. DURING 4 HOURS, THE BIRDS DRINK 80 LITRES OF WATER. THE DOSATRON IS SET ON 1.0%:

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VOLUME OF STOCK SOLUTION REQUIRED =  $80 \times 1\% = 0.8$  LITRES  
(800ML)

7. PUT THE PREDETERMINED AMOUNT OF WATER (CALCULATED IN STEP 6) IN THE CLEAN DOSATRON BUCKET AND ADD THE STABILISER PRODUCT TO IT (E.G. VAC-PAC PLUS). ADD THE AVIGUARD<sup>®</sup> AND STIR GENTLY. LEAVE TO STAND FOR 10 TO 15 MINUTES TO ALLOW THE AVIGUARD TO DISSOLVE FULLY. PLACE THE DOSATRON PIPE INTO THE SOLUTION.

8. IF YOU DO NOT KNOW HOW MUCH THE BIRDS ARE LIKELY TO DRINK IN THE REQUIRED TREATMENT PERIOD YOU CAN USE A KNOWN VOLUME OF WATER TO CALCULATE THE VOLUME OF STOCK SOLUTION REQUIRED AS FOLLOWS:

PLACE A KNOWN VOLUME OF WATER IN A BUCKET (E.G. 10 LITRES) AND SET THE DOSATRON AT 1%. IF FOR EXAMPLE YOU WISH TO MEDICATE OVER A 4 HOUR PERIOD, WAIT 4 HOURS AND THEN MEASURE HOW MUCH WATER IS LEFT IN THE BUCKET. YOU CAN THEN CALCULATE THE VOLUME OF WATER WHICH HAS BEEN USED. E.G. 1 LITRE - THIS AMOUNT REPRESENTS THE VOLUME OF STOCK SOLUTION REQUIRED. MIX THE REQUIRED AMOUNT OF AVIGUARD IN 1 LITRE.

9. RAISE UP THE DRINKER LINES TO JUST ABOVE BIRD HEIGHT AND DRAW THE WATER FROM THE ENDS OF THE LINES INTO A BUCKET UNTIL THE BLUE DYE COMES THROUGH. CLOSE THE TAP. THIS ENSURES THE AVIGUARD SOLUTION IS ALL THE WAY DOWN THE LINES TO ENSURE EVEN APPLICATION TO ALL BIRDS IN THE HOUSE.

10. LOWER THE DRINKER LINES AND ALLOW THE BIRDS TO DRINK FOR 4-6 HOURS.

**IF USING AVIGUARD<sup>®</sup> AFTER ANTIBIOTIC TREATMENT ENSURE YOU LEAVE 48 HOURS BETWEEN THE END OF ANTIBIOTIC TREATMENT AND AVIGUARD<sup>®</sup> APPLICATION. E.G. IF USING LINCOSPECTIN FOR DAYS 1-3, GIVE AVIGUARD<sup>®</sup> ON DAY 6.**