



**Dr. Ockert Botha**

**World-Renowned Pigeon  
Veterinarian**

## **Preventative program for Paratyphoid**

**Start 10 weeks before the racing or breeding season.**

Treat all pigeons for 10 days with Typhoid-Cure in drinking water.

Combine the above for the full 10 days with AvioGel and Avio-Entromune over food.

Vaccinate all pigeons the last day of treatment with Dr Botha's Paratyphoid-vaccine.

Continue with the normal pre-racing or pre-breeding program.

NB! Vaccinate all pigeons again two weeks after the first vaccine with Paratyphoid-vac.

This vaccine may be combined with any other treatments even antibiotics.

Leave at least one week gap between vaccination with Paratyphoid-vacc and any other vaccines such as Paramyxo or Pox vaccine.

It is advised to vaccinate with Paramyxovirus vaccine 6 weeks before racing season.

It is advised to vaccinate with Pox vaccine 5 weeks before the racing season.

### **Treatment Program**

1 x 100g - Typhoid Cure powder R180.00

3 x - Paratyphoid Vaccine R555.00 (will do 100 pigeons + 100 again for the booster)

1 x 400g - Entro-Mune R130.00

1 x 400g - Avio-Gel R 90.00

Total R955.00

Postage not included – Overnight mail for vaccines only.

Order this program and receive any three of your choice ECONO products for free!

## **Treatment**

It is very important to realize that there is a marked difference in treating the intestinal non systemic form of Paratyphoid compared to the systemic form. When the bacteria has not yet entered the blood stream and is only in the intestine a short course of 5-7 days treatment with Furaltadone (Aviomed 4 in 1) may be used. Other antibiotics such as Amoxicillin or Neomycin may also be used.

Once the bacteria have however entered the blood stream and a systemic carrier status develops a very specific treatment regime has to be followed. At this stage it is unclear whether any treatment regime has the potential to clear the true carrier state that exists in some pigeons. It is especially the joint form and the ovarian form that is extremely difficult if not impossible to clear. The hens that carry the bacteria in their ovaries will transfer it via their eggs to their babies. Research done in the eighties showed that treating pigeons at four times the recommended dose (2-3 ml per liter of drinking water) with Baytril for 10 days has the best chance of clearing carrier pigeons of the disease. It does however seem that this treatment regime may have a negative effect on the fertility of cocks. Treatment with very high doses of Trimethoprim (Mediprim, Theraprim or Aviocox) for 10 days is also reported to clear some of the carrier states. Resistance to all of the above antibiotics has developed and one is not always sure that any of the above will be effective. It seems that it is particularly the virulent forms of Paratyphoid, that kill pigeons, which tend to be resistant to the normal antibiotics. In these cases, it is essential to culture (grow) these bacteria and do an antibiogram to find out which antibiotic is best suited.

In cases where the disease is in its acute systemic stage and where pigeons are dying the use of Chloramphenicol has been particularly rewarding. In these cases, it is essential that an intestinal health product such as Avio-Entromune and AvioGel be combined with the antibiotic because Chloramphenicol will only suppress the bacteria and a healthy immune system is needed to eradicate the bacteria.

The use of Polypharmacy (combining of antibiotics) may currently be the best choice for the treatment of Paratyphoid. It is however very important that the correct combination of antibiotics at the correct dosage be prescribed by a pigeon Veterinarian and that pigeon fanciers do not attempt to do this on their own.

Typhoid-Cure is a combination of three excellent antibiotics that act together to be highly effective against most strains of Salmonella. During a recent outbreak of Paratyphoid in a well-known pigeon loft this product was extremely successful and even hens that were laying infected eggs were cured.

## **Summary**

Understand the disease.

Realize that the joint forms of the carrier states are almost impossible to treat effectively.

Prevent infection by avoiding rodents on food and around the loft

Be careful of imported and other pigeons carrying the disease.

Quarantine all new pigeons in the breeding loft.

Understand the difficulty of diagnosing the disease.

Prevent the establishment of the disease by using Intestinal health products.

Vaccinate correctly with Paratyphoid-vac

When treating with polypharmacy consult a pigeon Vet to prescribe the correct treatment.

Thank you for your support.

Aviomed