



## **Cytochrome P 450 induction by DDT in the pig and concomitant reduction of retinol**

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### **► To cite this version:**

R. Ferrando, R. Truhaut, J.-C. Gak, Claude Graillot, Claudine Furlon. Cytochrome P 450 induction by DDT in the pig and concomitant reduction of retinol. *Annales de zootechnie*, 1976, 25 (3), pp.453-453. <hal-00887643>

**HAL Id: hal-00887643**

**<https://hal.science/hal-00887643v1>**

Submitted on 11 May 2020

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1) 22 litters from farms with good hygienic conditions. The weaned piglets (46 killed) harboured on an average 13 parasites. The highest levels were 97, 95, 83, 60, 34 or 28 worms.

2) 8 litters from farms with bad or mediocre hygienic conditions. The piglets (16 killed) harboured on an average 729 parasites. The highest levels were 5 545, 1 733, 1 572, 1 377, 612 or 532 worms.

In the sows, the «peri parturient egg rise» described by other authors was not confirmed. Piglets should be prevented from worm intake (1) by parasitic sterilization of the sows before farrowing (2 treatments at 14 days interval) and (2) by carefully applying the hygienic rules in the pens where piglets are fed with their mothers. «Rearing is and can only be hygiene in action» (LECLAINCHE).

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Piglets receiving a diet containing 250 p.p.m. of DDT exhibited a large increase in cytochrome P 450 in all their liver lobes. This reduction was accompanied by a marked reduction in the reserves of liver retinol *i. e.* 41-51 p. 100 as compared to the controls.

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