

THE INFLUENCES OF BOTULIN ON DUCKS

Nguyen Thu Tam, Nguyen Duc Hien

Summary

From July 2017 to April 2018, 16 botulin samples from 16 *Clostridium botulinum* in our stocked strains to survey the influence of botulin on ducks. *Clostridium botulinum* were cultured anaerobically on SFP agar at 37°C for 24 hr. Individual strains were cultured in 40 ml of TPGY broth under anaerobic conditions for five days at 37°C. The culture was centrifuged at 10000-g for 5 min at 5°C. Solution after centrifuge was passed by 0.45 µm filter (botulin solution). Then, individual ducks was injected 3.5 ml botulin solution and was drank 10ml. The result showed that, 100% ducks were effected by botulin. The symptom on duck were morose, fail exercise and eat 100%, neck paralyze 91.31%, leg paralyzed 56.25%, membrane of eyes becom paralyzed 48.44%, bright green droppings from diarrhea (79.69%). Death ducks were no typical lesion except lung congestion 81.25%, liver haemorrhage 92.18%, no thing in intestine (89.06%)

Key word: Botulin, *Clostridium botulinum*, *Clostridium spp.*, duck, limberneck.