THE INFLUENCES OF BOTULIN ON DUCKS

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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.