

Orasa Phraluk 2008: Effects of Oxytocin Addition to Boar Semen on Reproductive Performance of Gilts. Master of Science (Animal Production), Major Field: Animal Production, Department of Animal Science. Thesis Advisor: Associate Professor Srisuwan Chomchai, M.S. 55 pages.

An experiment was performed to determine the effects of oxytocin addition to boar semen on reproductive performance of the gilts. Two hundred crossbred gilts (Landrace x Largewhite) were subjected to 4 treatment of 0 (control), 2.5, 5.0 and 7.5 I.U. of oxytocin in 90 ml. of semen doses.

The results found that the differences level of oxytocin among treatment had no significantly ($p>0.05$) on semen backflow during insemination. However, treatment 4 had significantly differences ($p<0.05$) higher conception rate, farrowing rate, total number of piglets per litter and number of piglets born alive per litter than treatment 3,2 and 1 respectively.

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24 / 03 / 2008