Atlantic Poultry Research Institute
APRI FACTS

June 1998 #9

APRI HATCHING EGGS RESEARCH

The following is a list of APRI-sponsored research trials that have been completed or are currently being conducted. Each project title is followed by the responsible researcher(s) as well as the location of the research.

Completed Research:

The effect of UV-light/air filtering system on viability of hatching eggs during incubation and microorganism load on the egg shell. Scott, T.A. KRS.

Screening sanitizing agents and methods of application for hatching eggs. I. Environment and user friendliness. Scott, T.A., and Swetnam, C.M. KRS.

Screening sanitizing agents and methods of application for hatching eggs. II. Effectiveness against microorganisms on the egg shell. Scott, T.A., and Swetnam, C.M. KRS.

A study to screen materials and methods used to sanitize hatching eggs in order to find a safe, economical and effective replacement for formaldehyde. III. Effect of 22 sanitizing methods at various concentrations and/or exposure times on incidence of embryo mortality. Scott, T.A., Swetman, C.M., and Kinsman, R. KRS.

The effect of pre-incubation treatment with a sanitizer and/or continuous ultra-violet light (UV-light) "air-scrubbing" during incubation on embryo viability. Scott, T.A., Swetman, C.M., and Walker, B.A. KRS.

Hatching egg sanitizer and application method comparison on subsequent egg moisture loss, embryo mortality and incidence of cull chicks. Scott, T.A., Swetman, C.M., and Walker, B.A. KRS.

Current Research:

Effect of breeder age and posthatch removal time on the growth performance of broiler chickens. MacLean, J.L., Oderkirk, A., and Anderson, D.M. NSAC.

Effect of breeder age and incubation humidity levels on the growth performance of broiler chickens. MacLean, J.L., Oderkirk, A., and Anderson, D.M. NSAC.

NSAC = Nova Scotia Agricultural College

For further information on any of these research trials, please contact Janice MacIsaac
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