

3937676 ENAT/M : MAJOR : APPROPRIATE TECHNOLOGY FOR RESOURCE  
DEVELOPMENT ; M.S.c. (APPROPRIATE TECHNOLOGY  
FOR RESOURCE DEVELOPMENT )

KEY WORDS : SPENTWASH LIQUOR / DRIED SPENTWASH LIQUOR / FATTENING  
COTURNIX QUAIL

NAWARAT PORNSWATDCHAI : UTILIZING DRIED SPENTWASH LIQUOR  
IN DIET FOR FATTENING COTURNIX QUAIL. THESIS ADVISOR : VIROJ KITIKOON ,  
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M.B.A. 141 p. ISBN 974-665-105-6

Two experiments were conducted to study the effectiveness of dried spentwash liquor for fattening coturnix quail. The dried spentwash liquor was incorporated into the experimental diets at levels of 0, 5, 10, 15 and 20 percent. Four hundred male and female quails, were used in a randomized complete block design sample. The results revealed that the male quails had no significant differences ( $P > 0.05$ ) in average daily gain, feed conversion ratio, mortality rate and carcass quality. But they had significant differences ( $P < 0.05$ ) in feed intake per head per day, feed cost per 1 kg. body weight and entrails weight percentage. Moreover, feed cost per 1 kg. body weight of male quails fed on the diet containing 20 percent of dried spentwash liquor was lower than at lower Percents of dried spentwash liquor.

The discontinued laying period of female quails had no significant difference ( $P > 0.05$ ) in average daily gain, feed intake per head day, mortality rate, carcass quality, egg weight and colour intensity of yolk. But they had significant differences ( $P < 0.05$ ) in feed conversion ratio, feed cost per 1 kg. Body weight, number of eggs per day and the thickness of the egg-shell. Moreover, the feed cost per 1 kg. body weight of discontinued laying period of female quail fed on diet containing 10 percent of dried spentwash liquor was the lowest.