ABSTRACT

This study aimed to realize the effect of chain speed in chain feeding poultry system and location of cages on the components of forage and production. Samples were taken from chicken nurture into three batteries, each of them by different chain speed. Data were taken on four distances from the beginning to end of line of feed. A mechanical analysis for samples of forage were taken on distance of study and separated according to their size by riddles. By using (***SPSS***) program, fitting curves were used to express the relation to indicate the proper speed of the chain and distance (location of cage).

Statistical analyses were conducted for the significance of effect of (speed and distance) on egg production number, eggs weight and broken eggs number. The best speed for chain is ١٢ m/minute. So speed of ١٢ m/minute was compared with the other two systems (trolley and manual). It was found that the trolley feeding was the best for feeding poultry inside cages.