

Relationship of udder and body measurements with milk yield in Holstein cows
Reared in Egypt.

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ABSTRACT

The aim of the present study was to study the relationship of udder and body measurements with milk yield in Holstein cows in Egypt. Milk yield, udder and body measurements were recorded using 10 Holstein cows in first and second parity. Highly positive correlations were found between each of udder measurements and total milk yield of both 1st and 2nd parity. Phenotypic correlation coefficients among different udder measurements were positive and highly significant in both 1st and 2nd parity. All correlation coefficients between body measurements and total milk yield were positive. The accuracy values of using body measurements as predictors to total milk yield ranged generally from 3.10% to 71.90 %, this means that body measurements could be used as predictors to total milk yield.

Key words: Holstein cows, body measurements, udder measurements, total milk yield, parity.

