

Your next genetic tool for efficiency

# MILKING SPEED (MSPD)

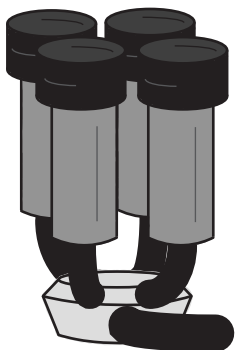
The Milking Speed selection trait, abbreviated MSPD, is available for Holstein males and females starting in August 2025. The MSPD predicted transmitting ability (PTA) represents the average pounds of milk per minute expected of an animal's offspring in a herd with average management conditions using a conventional milking system.

## TRAIT EXPRESSION:

MSPD will be published on a phenotypic scale where the approximate average is 7 pounds per minute in U.S. Holsteins. For example, daughters of a Holstein bull with a MSPD PTA of 8 lbs/min would be expected to milk faster than the average cow in the population. Conversely, daughters of a Holstein bull with a MSPD PTA of 6 lbs/min would be expected to milk slower than average.

## DATA SOURCE:

MSPD evaluations are developed using milking time and yield information reported from in-line milk meters in traditional parlor systems that is then contributed to the National Cooperator Database by a dairy records processing center. This differs from MSP evaluations produced by CDCB for the Brown Swiss and Milking Shorthorn breeds and several international milking speed evaluations, which are calculated based on producer-reported perceptions of milking speed that are collected during type classification. The research to develop MSPD analyzed a total of 131,015 lactation records from 121,662 cows.



A core function of the research to support MSPD includes the standardization of data from eleven equipment manufacturers.

DELAVAL	AFIMILK	DAIRYMASTER
GEA	SCR	AIC WAIKATO
LELY	JANTEC	AMS GALAXY
BOUMATIC	UNIVERSAL	

<b>42%</b>	<b>58%</b>	<b>67%</b>
<b>HERITABILITY</b>	<b>RELIABILITY</b> (YOUNG GENOMIC BULLS)	<b>RELIABILITY</b> (PROGENY-TESTED BULLS)

## WHAT MAKES IT UNIQUE:

1. Objective measurement
2. Utilizes in-line sensor technology
3. Standardized across data sources
4. Expressed in pounds-per-minute

## BENEFITS OF THE TRAIT:

1. Faster-milking cows can be selected for, allowing more cows to be milked through the parlor in the same period of time.
2. Slower-milking cows can be selected against, improving herd consistency and limiting disruptions to the milking routine.
3. Greater parlor throughput is a more efficient use of labor and facilities.

## LEARN MORE:



Trait Details



FAQs