Farmers for Sustainable Food

Profitability and sustainability can go hand-in-hand.

ANALYZING ESTIMATED OVERALL DAIRY IMPACT IN YEAR TWO OF OUR GENOMIC STUDY.

Farmer-led solutions are crucial to solving today's environmental challenges while helping to maintain a healthy, productive herd. See how a multi-year collaborative genomic project between Farmers for Sustainable Food and Zoetis demonstrated:

10%
improvement in Energy Corrected Milk production*

40%
reduction in antibiotic usage*

9%
decrease in methane production year over year*

**As measured by Dairy Wellness Profit Index® (DWP$®)[1]*

The Genomic Testing Study

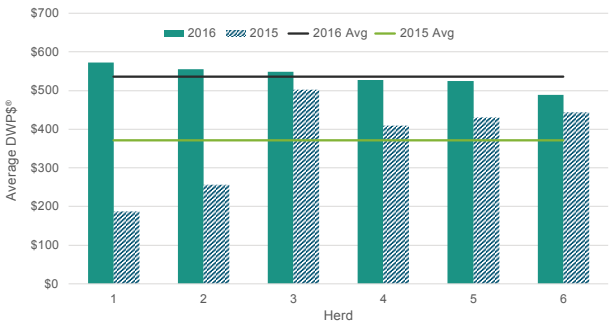
OBJECTIVE:
Evaluate ~8,000 animals born in 2015 and 2016 using Zoetis heifer genomic predictions from CLARIFIDE® Plus.

GOAL:
Evaluate estimated lifetime profit, lifetime health benchmarking and sustainability metrics.

zoetis

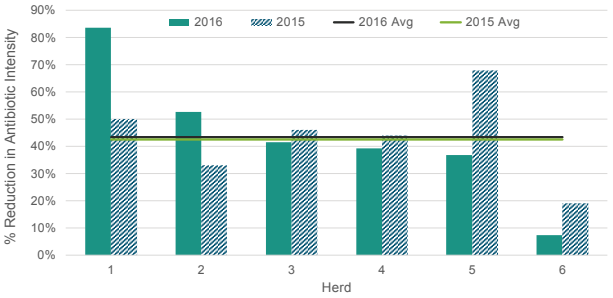
The Results

Average Dairy Wellness Profit Index® (DWP$®)[1]
All Tested 2015-2016 Cows



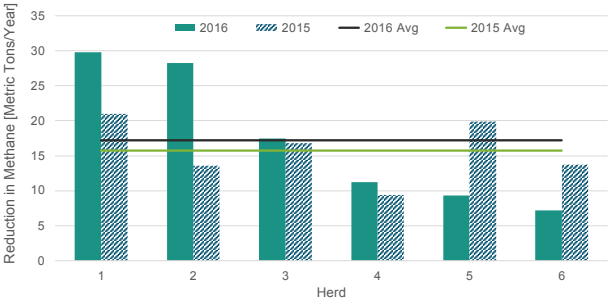
Estimated lifetime profits increased while the number of heifers required to be profitable decreased.

Estimated Antibiotic Intensity Cows Born in 2015-16
Percentage Difference Between Top & Bottom 25% for DWP$®[1]



As estimated antibiotic usage dropped, labor costs dropped as well.

Estimated Total Methane Reduction Per Year[1]
Cows Born in 2015-16
Percentage Difference Between Top & Bottom 25% for DWP$®



An average reduction of 17.2 metric tons of estimated methane.

The Equivalent Impact

of 17.2 Estimated Metric Tons of Methane Reduced*

107
cars removed from the roads per year

20,846
trash bags of waste recycled

Carbon sequestered equivalent to
574
acres of forest

**According to the EPA Greenhouse Gas Equivalencies Calculator*

How It Happened

CLARIFIDE® Plus is the first genomic test in the U.S. to deliver information on all eight cow wellness traits, including mastitis, lameness, etc. in one comprehensive offering. These genetic predictions are based on data from millions of health records within U.S. commercial herds.

CLARIFIDE® plus

1. Zoetis Data on file; 22CORGEN-02-01, 23CORGEN-02-01.

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