

High immune

females have

genomic

33%

LESS DISEASE

THE NEXT GENERATION OF IMMUNITY THE WORLD'S BEST HEALTH INDEX

Starting with August 2022 proofs

IMMUNITY AND CALF IMMUNITY INDEX

will be published on all Semex sires and Elevate® tested females

HIGHLY HERITABLE

Production Traits 25-35%
Conformation Traits 15-40%
Immune Response 30%
Immunity Index 22%
Longevity 8-10%
Daughter Fertility 4-7%

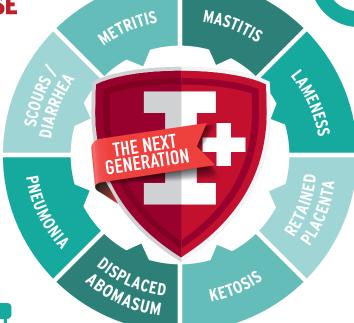


Using the next generation Immunity+® sires can lead to

REDUCTION IN DISEASE

Daughter of Immunity+® Bull 29% LESS DISEASE*

High Immune Genomic Female **33%** LESS DISEASE*





Disease Incidence 2-10%

production is included in the Immunity Index

Cows with insufficient Nitric Oxide have **46%** more cases of Mastitis



High immune cows respond better to commercial vaccines

Immunity+ Daughters Have

HIGHER QUALITY COLOSTRUM

Through first 6 weeks of lactation High immune cows have significantly more total immunoglobulin and betalactoglobulin in colostrum

Fleming et al 2014.



ECONOMIC IMPACT

+\$147 USD*

Daughter benefit for Immunity+ bull or \$23 USD* per point of Immunity Index

+\$33 USD*

per point of Immunity Index for genomic tested female

