



Performance

THE VALUE

of genetic performance compounds over time

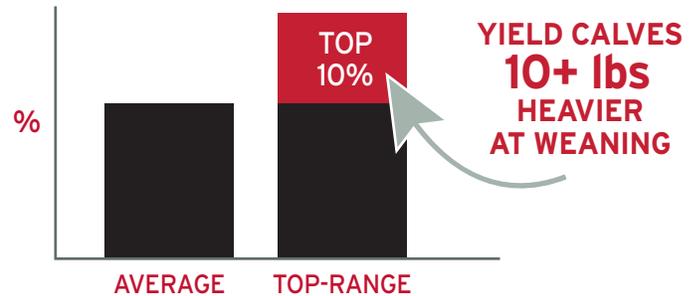
18%

rise in profit with a 10% improvement in performance

Fox et al., 2001



Select AI sires with high Performance breeding worth



Strive for moderate birth weights while achieving

EXCELLENT GROWTH

BIRTH WEIGHT = 45% HERITABILITY
Moderate Birth weights improve calving ease

41% OF CALF ILLNESS DUE TO DIFFICULT CALVING RESULTING FROM HIGHER BIRTH WEIGHTS



Weaning Weight can be altered by:

- pre-weaning nutrition
- dam milk production
- calving ease & health
- management
- genetics

Sanderson, 2000; Hewitt and Holt, 1992

LARGER FRAME CATTLE = GREATER GAIN = MORE PROFIT



Smith et al., 2000; Troxel et al., 2001

IMPROVED RESIDUAL AVERAGE DAILY GAIN

LARGER RIBEYE AREA

INCREASED WEANING WEIGHT

GREATER CARCASS WEIGHT

PERFORMANCE TRADEOFFS

REDUCED EFFICIENCY

LESS MARBLING

HIGHER MAINTENANCE COSTS

