

Index Traits and Weightings 2024

Table 1: Red Maternal index traits and weights - Breeding replacements and Finishing

| Index | Index Abbrev | Goal trait breeding value | Breeding value Abrev | | Economic Weight (\$/fawn/calf born) |
|---------------------------|--------------|--|----------------------|-------|-------------------------------------|
| Red Maternal Index | RedMATN | = RMG + RMHW + RMR + RMM | | | \$ per fawn born |
| Red Maternal Growth | RMG | Weaning weight direct | WWT | kg | \$0.95 |
| | | Weaning weight maternal | WWTM | kg | \$0.96 |
| | | Post weaning gain* | PWG | kg | \$0.97 |
| | | Carcass weight liveweight (predicted from liveweights) | CWL | kg | \$5.41 |
| Red Maternal Hind Weight | RMHW | Mature weight (Hinds) | MWT | kg | - \$0.04 |
| Red Maternal Meat Yield | RMM | Carcass weight yield (predicted from US or CT) | CWY | kg | \$5.41 |
| | | Lean Yield | LEANY | kg/kg | \$8.87 |
| Red Maternal Reproduction | RMR | Conception Date | CD | days | - \$2.45 |
| | | Fertility at 2 years age | FERT2 | prop | \$96.05 |
| | | Fertility mixed age | FERTMA | prop | \$155.75 |
| Red Maternal CARLA | RMC | Carla – parasite resistance | CARLA | u/mol | \$0.08 |

* Post weaning gain – growth after weaning so W12BV-WWTBV approximately

Table 2: Red Terminal index traits and weights - Finishing males and females

| Index | Index Abbrev | Goal trait breeding value | Breeding value Abrev | Economic Weight (\$/fawn/calf born) | |
|--|--------------|--|----------------------|-------------------------------------|---------|
| Red Terminal Index | RTERM | = RTG + RTM | \$/fawn/calf born | | |
| Red Terminal Growth | RTG | Weaning weight direct | WWT | kg | \$0.95 |
| | | Post weaning gain | PWG | kg | \$1.35 |
| | | Carcass weight liveweight (predicted from liveweights) | CWL | kg | \$7.50 |
| | | | | | |
| Red Terminal Meat | RTM | Carcass weight yield | CWY | kg | \$7.50 |
| | | Lean yield | LEANY | kg | \$12.30 |
| Red Terminal CARLA (parasite resistance) | RTC | Carla – parasite resistance | CARLA | u/mol | \$0.08 |

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Table 3: Wapiti Terminal index traits and weights -Finishing males and females

| Index | Index Abbrev | Goal trait breeding value | Breeding value Abrev | Economic Weight (\$/fawn/calf born) |
|---|--------------|--|----------------------|-------------------------------------|
| Wapiti Terminal Index | | WTERM = WTG + WTM | | \$/fawn/calf born |
| Wapiti Terminal Growth | | WTG | | |
| | | Weaning weight direct | WWT | kg \$0.95 |
| | | Post weaning gain | PWG | kg \$1.35 |
| | | Carcass weight liveweight (predicted from liveweights) | CWL | kg \$7.50 |
| Wapiti Terminal Meat | | WTM | | |
| | | Carcass weight yield | CWY | kg \$7.50 |
| | | Lean yield | LEANY | kg \$12.30 |
| Wapiti Terminal CARLA (parasite resistance) | | WTC | | |
| | | Carla – parasite resistance | CARLA | u/mol \$0.08 |

Red and Wapiti Indexes and Breeding values come from two separate evaluations with different datasets (herds) and outputs and cannot be compared directly.

All Indices are expressed in dollars per fawn(calf) born and a higher number indicates greater merit or financial return to a deer production system.
 Sub-indices can be added together in different combinations to reflect the breeding objective of the buyer.