



## PEDIGREE TOTAL PERFORMANCE INDEX PERCENTILE CUTOFF VALUES FOR 2021-2025

TOTAL PERFORMANCE SYSTEM DESIGNATIONS--Cut off values for:

YEAR OF BIRTH	<u>AVG. PTPI</u>	<u>P5</u>	<u>P6</u>	<u>P7</u>	<u>P8</u>	<u>P9</u>
MALES						
2021	2612	2284	2385	2483	2583	2732
2022	2720	2416	2528	2678	2837	3005
2023	2864	2483	2607	2792	2983	3063
2024	2933	2522	2622	2729	2854	3027
2025	3002*	2591*	2691*	2798*	2923*	3096*
FEMALES						
2021	2426	2307	2368	2429	2497	2582
2022	2518	2378	2446	2512	2582	2667
2023	2619	2437	2519	2588	2662	2760
2024	2682	2435	2509	2588	2681	2809
2025	2745*	2498*	2572*	2651*	2744*	2872*

\* Projected Values

### Guidelines for mating decisions:

By using your Genetic Herd Report and Sire Summaries Book or Red Book Plus you can plan your herd matings to produce calves with high genetic potential that may receive a P5 or higher genetic ranking. For example, when mating a cow in your herd with a CTPI of 2500, you can choose service sires which will produce female offspring that have a P5 or higher ranking.

**Example 1:** Using the 50<sup>th</sup> TPI bull with TPI = 2984:

$$\begin{aligned}
 \text{PTPI} &= [\frac{1}{2} (2984) + \frac{1}{2} (2500)]. \\
 &= [(1492) + (1250)] \\
 &= 2742 \text{ (qualifies for a P7 designation by exceeding the 2651 cutoff value in table above} \\
 &\quad \text{for females born in 2025)}
 \end{aligned}$$

**Example 2:** Using the top TPI bull with TPI = 3331:

$$\begin{aligned}
 \text{PTPI} &= [\frac{1}{2} (3331) + \frac{1}{2} (2500)]. \\
 &= [(1666) + (1250)] \\
 &= 2916 \text{ (qualifies for a P9 designation by exceeding the 2872 cutoff value in table above} \\
 &\quad \text{for females born in 2025)}
 \end{aligned}$$