



PEDIGREE TOTAL PERFORMANCE INDEX PERCENTILE CUTOFF VALUES FOR 2022-2026

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						
2022	2787	2470	2603	2751	2920	3074
2023	2930	2560	2679	2834	3036	3120
2024	3034	2573	2729	2954	3098	3176
2025	3104	2612	2721	2837	2974	3163
2026	3174*	2682*	2791*	2907*	3044*	3233*
FEMALES						
2022	2585	2453	2519	2586	2657	2743
2023	2682	2508	2588	2658	2735	2824
2024	2778	2614	2690	2760	2834	2918
2025	2847	2602	2681	2767	2866	3005
2026	2916*	2671*	2750*	2836*	2935*	3074*

* 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 2750, you can choose service sires which will produce female offspring that have a P5 or higher ranking.

Example 1: Using the 50th TPI bull with TPI = 3137:

$$\begin{aligned}
 \text{PTPI} &= [\frac{1}{2} (3137) + \frac{1}{2} (2750)]. \\
 &= [(1569) + (1375)] \\
 &= 2944 \text{ (qualifies for a P8 designation by exceeding the 2935 cutoff value in table above} \\
 &\quad \text{for females born in 2026)}
 \end{aligned}$$

Example 2: Using the top TPI bull with TPI = 3441:

$$\begin{aligned}
 \text{PTPI} &= [\frac{1}{2} (3441) + \frac{1}{2} (2750)]. \\
 &= [(1721) + (1375)] \\
 &= 3096 \text{ (qualifies for a P9 designation by exceeding the 3074 cutoff value in table above} \\
 &\quad \text{for females born in 2026)}
 \end{aligned}$$