



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	2585	2265	2363	2460	2561	2699
2022	2697	2403	2508	2658	2810	2970
2023	2832	2390	2512	2631	2809	2986
2024	2887	2421	2517	2621	2742	2910
2025	2942*	2476*	2572*	2676*	2797*	2965*
FEMALES						
2021	2402	2288	2348	2408	2474	2557
2022	2493	2355	2423	2487	2556	2640
2023	2594	2431	2505	2571	2641	2733
2024	2656	2425	2497	2574	2665	2791
2025	2718*	2487*	2559*	2636*	2727*	2853*

* 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 50th TPI bull with TPI = 2927:

$$\begin{aligned}
 \text{PTPI} &= [\frac{1}{2} (2927) + \frac{1}{2} (2500)]. \\
 &= [(1464) + (1250)] \\
 &= 2714 \text{ (qualifies for a P7 designation by exceeding the 2636 cutoff value in table above} \\
 &\quad \text{for females born in 2025)}
 \end{aligned}$$

Example 2: Using the top TPI bull with TPI = 3287:

$$\begin{aligned}
 \text{PTPI} &= [\frac{1}{2} (3287) + \frac{1}{2} (2500)]. \\
 &= [(1644) + (1250)] \\
 &= 2894 \text{ (qualifies for a P9 designation by exceeding the 2853 cutoff value in table above} \\
 &\quad \text{for females born in 2025)}
 \end{aligned}$$