

**April 2020**

## **Bull Percentile Ranking Levels (P Level)**

The P-level may be the most important guide on the pedigree when evaluating Jersey bulls' genetic merit. The P-level is a percentile ranking of the Parent Average (PA) Jersey Production Index™ (JPI), displayed as P0 through P9. When PA JPI is not available, percentile rankings are based on PA Protein.

The P-level indicates how one bull ranks compared to all other Registered Jersey™ bulls born in the same year. To interpret, insert the P-level in the blank in the following statement: "This bull has a higher PA JPI than \_\_0 percent of the registered Jersey bulls born in the same year." Example: A P8 bull born in 2018 has a higher PA JPI than 79 percent of the Registered Jersey bull born in 2018.

The tables show means and minimum values for percentile ranking levels based on Parent Average JPI for the birth years 2015 to 2019 and projected for 2020 and 2021; and also for PA Protein for 2015 to 2019, with projections for 2020 and 2021.

Type	Year	Mean	P0	P1	P2	P3	P4	P5	P6	P7	P8	P9
JPI	2015	6	< -58	-58	-21	-4	9	18	27	35	44	54
JPI	2016	22	< -57	-57	-6	15	28	38	46	54	62	73
JPI	2017	28	< -64	-64	-15	17	36	47	58	68	76	89
JPI	2018	20	< -87	-87	-40	-3	23	45	58	70	79	92
JPI	2019	56	< -66	-66	18	55	74	85	92	99	106	115
JPI	2020*	56	< -80	-80	0	46	72	89	99	108	116	127
JPI	2021*	66	< -85	-85	5	56	84	103	113	123	130	141

Type	Year	Mean	P0	P1	P2	P3	P4	P5	P6	P7	P8	P9
PRO	2015	1	< -31	-31	-12	-4	2	6	10	14	18	24
PRO	2016	6	< -29	-29	-8	2	8	12	16	20	25	31
PRO	2017	7	< -35	-35	-12	1	8	15	19	25	30	36
PRO	2018	0	< -47	-47	-29	-11	0	8	14	20	26	32
PRO	2019	10	< -41	-41	-7	9	16	20	25	28	32	36
PRO	2020*	8	< -48	-48	-17	3	13	19	25	30	35	39
PRO	2021*	10	< -52	-52	-18	5	15	22	28	33	38	42