

## December 2019

## 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 heifer 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 80 percent of the Registered Jersey heifers born in 2018.

The tables show means and minimum values for percentile ranking levels based on Parent Average JPI for the birth years 2014 to 2019 and projected for 2020 and 2021; and also for PA Protein for 2014 to 2019, with projections for 2020 and 2021.

Type	Year	Mean	P0	P1	P2	P3	P4	P5	P6	P7	P8	P9
JPI	2014	57	< -4	-4	31	50	60	68	75	82	91	102
JPI	2015	64	< -2	-2	36	55	66	77	86	94	103	113
JPI	2016	80	< 3	3	50	74	88	97	105	112	119	128
JPI	2017	87	< -5	-5	44	76	95	110	119	126	134	145
JPI	2018	83	< -25	-25	19	60	86	108	121	132	141	151
JPI	2019	122	< 16	16	90	124	137	148	155	161	168	173
JPI	2020*	121	< -1	-1	69	112	134	152	162	170	177	184
JPI	2021*	132	< 0	0	76	123	147	166	177	185	192	198

Type	Year	Mean	P0	P1	P2	P3	P4	P5	P6	P7	P8	P9
PRO	2014	15	< -8	-8	5	11	16	19	23	26	30	35
PRO	2015	18	< -11	-11	7	15	20	24	27	31	35	40
PRO	2016	23	< -10	-10	11	20	25	29	33	36	40	46
PRO	2017	24	< -15	-15	7	20	26	32	36	40	45	50
PRO	2018	17	< -24	-24	-8	9	19	27	32	37	42	47
PRO	2019	28	< -15	-15	18	29	34	38	40	43	46	51
PRO	2020*	27	< -22	-22	8	25	32	39	42	46	50	55
PRO	2021*	29	< -24	-24	9	27	35	42	45	49	53	58

\* projected