

Ayrshire Type conversions

December 2023

When to use these formulas

These conversions should only be used for converting cow evaluations and bulls which do not have an Interbull evaluation. Please check with AHDB Dairy if in doubt.

The formulae provide a guide only to the expected evaluations of the relevant bull or cow in the UK.

How to convert a foreign proof using figures in the table below

Approximate UK PTA = a + (b * Foreign proof)

				a		b		
RDC	sta	GBR	=	-0.47	+	1.802	*	AUS
RDC	cwi	GBR	=	-0.19	+	3.239	*	AUS
RDC	bde	GBR	=	-0.45	+	2.43	*	AUS
RDC	ang	GBR	=	-0.36	+	2.254	*	AUS
RDC	ran	GBR	=	-0.42	+	3.439	*	AUS
RDC	rwi	GBR	=	-0.73	+	2.599	*	AUS
RDC	rls	GBR	=	0.89	+	5.332	*	AUS
RDC	fan	GBR	=	-0.37	+	4.086	*	AUS
RDC	fua	GBR	=	-1.21	+	3.043	*	AUS
RDC	ruh	GBR	=	-1.46	+	2.355	*	AUS
RDC	usu	GBR	=	-0.55	+	4.314	*	AUS
RDC	ude	GBR	=	-1.18	+	2.989	*	AUS
RDC	ftp	GBR	=	-0.62	+	2.533	*	AUS
RDC	ftl	GBR	=	1.12	+	2.362	*	AUS
RDC	ocs	GBR	=	-1.15	+	0.957	*	AUS
RDC	ous	GBR	=	-1.47	+	0.92	*	AUS
RDC	ofl	GBR	=	-0.88	+	1.146	*	AUS

RDC	sta	GBR	=	-0.43	+	0.194	*	CAM
RDC	cwi	GBR	=	-0.7	+	0.187	*	CAM
RDC	bde	GBR	=	-1.01	+	0.224	*	CAM
RDC	ang	GBR	=	-0.92	+	0.147	*	CAM
RDC	ran	GBR	=	0.4	+	0.258	*	CAM
RDC	rwi	GBR	=	-0.83	+	0.189	*	CAM
RDC	rls	GBR	=	0.62	+	0.184	*	CAM
RDC	fan	GBR	=	-0.2	+	0.16	*	CAM
RDC	fua	GBR	=	-1.88	+	0.183	*	CAM
RDC	ruh	GBR	=	-1.63	+	0.195	*	CAM
RDC	usu	GBR	=	-1.12	+	0.236	*	CAM
RDC	ude	GBR	=	-0.99	+	0.374	*	CAM
RDC	ftp	GBR	=	-1.43	+	0.205	*	CAM
RDC	ftl	GBR	=	0.93	+	0.18	*	CAM
RDC	ocs	GBR	=	-1.91	+	0.198	*	CAM
RDC	ous	GBR	=	-2.34	+	0.202	*	CAM
RDC	ofl	GBR	=	-1.2	+	0.157	*	CAM
RDC	sta	GBR	=	0.62	+	0.201	*	CAN
RDC	cwi	GBR	=	-0.92	+	0.2	*	CAN
RDC	bde	GBR	=	-0.35	+	0.235	*	CAN
RDC	ang	GBR	=	0.6	+	0.134	*	CAN
RDC	ran	GBR	=	0.4	+	0.266	*	CAN
RDC	rwi	GBR	=	0.13	+	0.217	*	CAN
RDC	rls	GBR	=	0.11	+	0.179	*	CAN
RDC	fan	GBR	=	0.47	+	0.195	*	CAN
RDC	fua	GBR	=	-0.53	+	0.219	*	CAN
RDC	ruh	GBR	=	0.15	+	0.2	*	CAN
RDC	usu	GBR	=	-0.11	+	0.235	*	CAN
RDC	ude	GBR	=	0.08	+	0.302	*	CAN
RDC	ftp	GBR	=	-0.77	+	0.23	*	CAN
RDC	ftl	GBR	=	0.04	+	0.261	*	CAN
RDC	ocs	GBR	=	-0.46	+	0.198	*	CAN
RDC	ous	GBR	=	-0.41	+	0.213	*	CAN
RDC	ofl	GBR	=	-0.25	+	0.198	*	CAN
RDC	sta	GBR	=	-8.15	+	0.092	*	DEU
RDC	cwi	GBR	=	-12.03	+	0.119	*	DEU
RDC	bde	GBR	=	-13.84	+	0.139	*	DEU
RDC	ang	GBR	=	-12.4	+	0.13	*	DEU
RDC	ran	GBR	=	-17.19	+	0.167	*	DEU
RDC	rwi	GBR	=	-11.8	+	0.126	*	DEU
RDC	rls	GBR	=	-16.58	+	0.159	*	DEU
RDC	fan	GBR	=	-8.65	+	0.102	*	DEU
RDC	fua	GBR	=	-11.66	+	0.116	*	DEU
RDC	ruh	GBR	=	-8.85	+	0.088	*	DEU
RDC	usu	GBR	=	-11.82	+	0.119	*	DEU
RDC	ude	GBR	=	-12.87	+	0.136	*	DEU
RDC	ftp	GBR	=	-11.19	+	0.107	*	DEU
RDC	ftl	GBR	=	-10.21	+	0.1	*	DEU
RDC	ocs	GBR	=	-6.11	+	0.067	*	DEU
RDC	ous	GBR	=	-8.05	+	0.081	*	DEU
RDC	ofl	GBR	=	-6.16	+	0.067	*	DEU

RDC	sta	GBR	=	-13.45	+	0.137	*	DFS
RDC	cwi	GBR	=	-10.87	+	0.105	*	DFS
RDC	bde	GBR	=	-13.27	+	0.12	*	DFS
RDC	ang	GBR	=	-12.96	+	0.127	*	DFS
RDC	ran	GBR	=	-14.27	+	0.149	*	DFS
RDC	rwi	GBR	=	-12.14	+	0.121	*	DFS
RDC	rls	GBR	=	-13.09	+	0.14	*	DFS
RDC	fan	GBR	=	-12.97	+	0.133	*	DFS
RDC	fua	GBR	=	-11.73	+	0.116	*	DFS
RDC	ruh	GBR	=	-12.69	+	0.12	*	DFS
RDC	usu	GBR	=	-11.94	+	0.11	*	DFS
RDC	ude	GBR	=	-15.24	+	0.16	*	DFS
RDC	ftp	GBR	=	-11.68	+	0.112	*	DFS
RDC	ftl	GBR	=	-12.45	+	0.125	*	DFS
RDC	ocs	GBR	=	-12.95	+	0.115	*	DFS
RDC	ous	GBR	=	-12.33	+	0.119	*	DFS
RDC	ofl	GBR	=	-7.51	+	0.074	*	DFS
RDC	sta	GBR	=	-2.12	+	1.715	*	LVA
RDC	cwi	GBR	=	-1.1	+	3.113	*	LVA
RDC	bde	GBR	=	-1.6	+	3.713	*	LVA
RDC	ang	GBR	=	-2.05	+	3.334	*	LVA
RDC	ran	GBR	=	-2.34	+	3.368	*	LVA
RDC	rwi	GBR	=	-1.63	+	3.065	*	LVA
RDC	rls	GBR	=	-2.37	+	4.506	*	LVA
RDC	fan	GBR	=	0.08	+	4.583	*	LVA
RDC	fua	GBR	=	-2.91	+	3.818	*	LVA
RDC	ruh	GBR	=	-3.15	+	3.052	*	LVA
RDC	usu	GBR	=	-1.86	+	4.721	*	LVA
RDC	ude	GBR	=	-2.55	+	3.847	*	LVA
RDC	ftp	GBR	=	-2.12	+	3.493	*	LVA
RDC	ftl	GBR	=	-0.93	+	2.6	*	LVA
RDC	sta	GBR	=	-21.34	+	0.25	*	NLD
RDC	cwi	GBR	=	-25.71	+	0.28	*	NLD
RDC	bde	GBR	=	-27.43	+	0.311	*	NLD
RDC	ang	GBR	=	-18.3	+	0.216	*	NLD
RDC	ran	GBR	=	-26.45	+	0.268	*	NLD
RDC	rwi	GBR	=	-18.66	+	0.205	*	NLD
RDC	rls	GBR	=	-26	+	0.25	*	NLD
RDC	fan	GBR	=	-25.35	+	0.274	*	NLD
RDC	fua	GBR	=	-33.98	+	0.36	*	NLD
RDC	ruh	GBR	=	-28.28	+	0.315	*	NLD
RDC	usu	GBR	=	-35.7	+	0.373	*	NLD
RDC	ude	GBR	=	-38.14	+	0.412	*	NLD
RDC	ftp	GBR	=	-28.8	+	0.301	*	NLD
RDC	ftl	GBR	=	-25.64	+	0.263	*	NLD
RDC	ocs	GBR	=	-39.42	+	0.431	*	NLD
RDC	ous	GBR	=	-26.22	+	0.285	*	NLD
RDC	ofl	GBR	=	-14.2	+	0.15	*	NLD

RDC	sta	GBR	=	-9.41	+	0.087	*	NOR
RDC	cwi	GBR	=	-8.21	+	0.089	*	NOR
RDC	bde	GBR	=	-9.89	+	0.085	*	NOR
RDC	ang	GBR	=	-8.54	+	0.068	*	NOR
RDC	ran	GBR	=	-11.07	+	0.12	*	NOR
RDC	rwi	GBR	=	-8.56	+	0.09	*	NOR
RDC	rls	GBR	=	-9.71	+	0.104	*	NOR
RDC	fan	GBR	=	-9.4	+	0.094	*	NOR
RDC	fua	GBR	=	-11.94	+	0.102	*	NOR
RDC	ruh	GBR	=	-11.61	+	0.094	*	NOR
RDC	usu	GBR	=	-13.54	+	0.116	*	NOR
RDC	ude	GBR	=	-13.6	+	0.12	*	NOR
RDC	ftp	GBR	=	-11.27	+	0.097	*	NOR
RDC	ftl	GBR	=	-10.72	+	0.105	*	NOR
RDC	ocs	GBR	=	-10.19	+	0.08	*	NOR
RDC	ous	GBR	=	-12.4	+	0.101	*	NOR
RDC	ofl	GBR	=	-9.36	+	0.083	*	NOR
RDC	sta	GBR	=	-1.94	+	2.413	*	NZL
RDC	cwi	GBR	=	-0.18	+	3.688	*	NZL
RDC	bde	GBR	=	-0.55	+	3.321	*	NZL
RDC	ran	GBR	=	-0.82	+	5.064	*	NZL
RDC	rwi	GBR	=	-1.09	+	3.986	*	NZL
RDC	rls	GBR	=	0.91	+	9.076	*	NZL
RDC	fua	GBR	=	-2	+	3.124	*	NZL
RDC	ruh	GBR	=	-1.47	+	3.921	*	NZL
RDC	usu	GBR	=	-1.46	+	3.527	*	NZL
RDC	ftp	GBR	=	-2.06	+	5.309	*	NZL
RDC	ftl	GBR	=	1.17	+	3.625	*	NZL
RDC	ocs	GBR	=	-1.91	+	3.74	*	NZL
RDC	ous	GBR	=	-2.44	+	3.62	*	NZL
RDC	sta	GBR	=	0.71	+	0.537	*	USA
RDC	cwi	GBR	=	-0.24	+	1.043	*	USA
RDC	bde	GBR	=	0.1	+	1.084	*	USA
RDC	ang	GBR	=	0.63	+	0.985	*	USA
RDC	ran	GBR	=	0	+	0.946	*	USA
RDC	rwi	GBR	=	0.31	+	0.956	*	USA
RDC	rls	GBR	=	-0.22	+	1.414	*	USA
RDC	fan	GBR	=	0.18	+	1.25	*	USA
RDC	fua	GBR	=	0.02	+	0.968	*	USA
RDC	ruh	GBR	=	0.32	+	0.969	*	USA
RDC	usu	GBR	=	-0.29	+	1.385	*	USA
RDC	ude	GBR	=	0.27	+	1.351	*	USA
RDC	ftp	GBR	=	-0.62	+	0.964	*	USA
RDC	ftl	GBR	=	0.39	+	0.835	*	USA
RDC	ocs	GBR	=	0.13	+	2.57	*	USA
RDC	ous	GBR	=	-0.05	+	1.431	*	USA
RDC	ofl	GBR	=	-0.28	+	0.755	*	USA