



BPA Conservation Plan 2024

Welsh Survey Results and Effective Population Size



Members keeping this line					Line Name	Total Sows				
2023	2022	2021	2020	2004		2023	2022	2021	2020	2004
5	4	4	3	1	Aconite	8	9	12	15	6
5	5	6	6	1	Cornflower	5	6	14	12	2
10	9	9	7	4	Daffodil	14	19	22	24	11
4	5	8	8	3	Dainty Girl	10	16	28	36	4
4	5	5	7	2	Elenora	8	8	13	14	5
1	1	3	2	1	Emma	1	1	6	6	1
2	2	3	5	2	Empress	9	8	10	14	6
1	3	4	4	7	Flora	3	6	6	7	12
2	3	4	2	1	Glamorous	4	4	8	5	3
2	3	2	1	0	Goldilocks	4	5	3	2	0
8	9	11	10	1	Impish	11	13	15	18	5
6	7	8	5	2	Jean	11	15	16	10	4
7	7	11	9	1	Julia	16	19	29	32	1
3	4	5	6	3	Lioness	15	16	15	17	12
3	4	7	7	13	Lucky Girl	22	24	26	30	50
6	7	7	7	3	Marigold	11	11	9	9	8
8	8	7	9	2	Model	21	19	24	22	4
5	5	7	9	2	Nina	12	15	24	26	42
7	9	10	13	1	Rose	22	24	28	29	4
4	6	8	7	2	Sally	24	24	35	33	3
3	4	5	3	3	Tessa	3	5	7	4	10
8	10	14	13	5	Theresa	30	35	51	54	27
2	3	2	3	2	Waitress	11	6	9	13	7
0	1	3	4	1	Wakeful	0	1	7	10	1
2	2	2	3	1	Willing	17	9	10	9	1
4	5	3	2	2	Winchat	4	5	8	6	7
					Total	296	323	435	457	236
Percentage of sows with purebred litters						53%	63%	63%	62%	68%

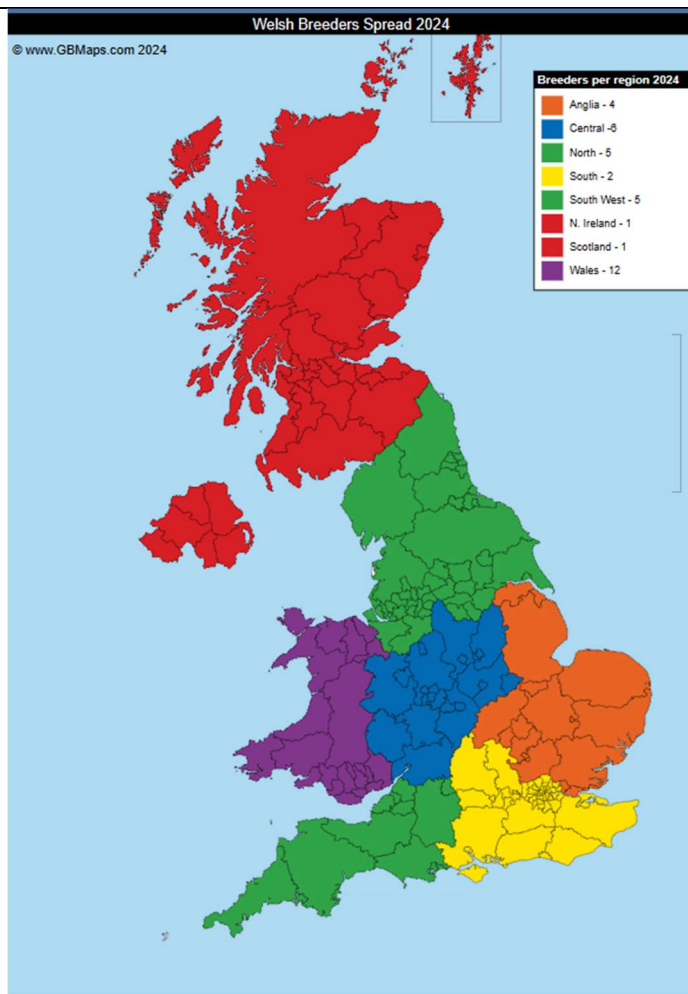
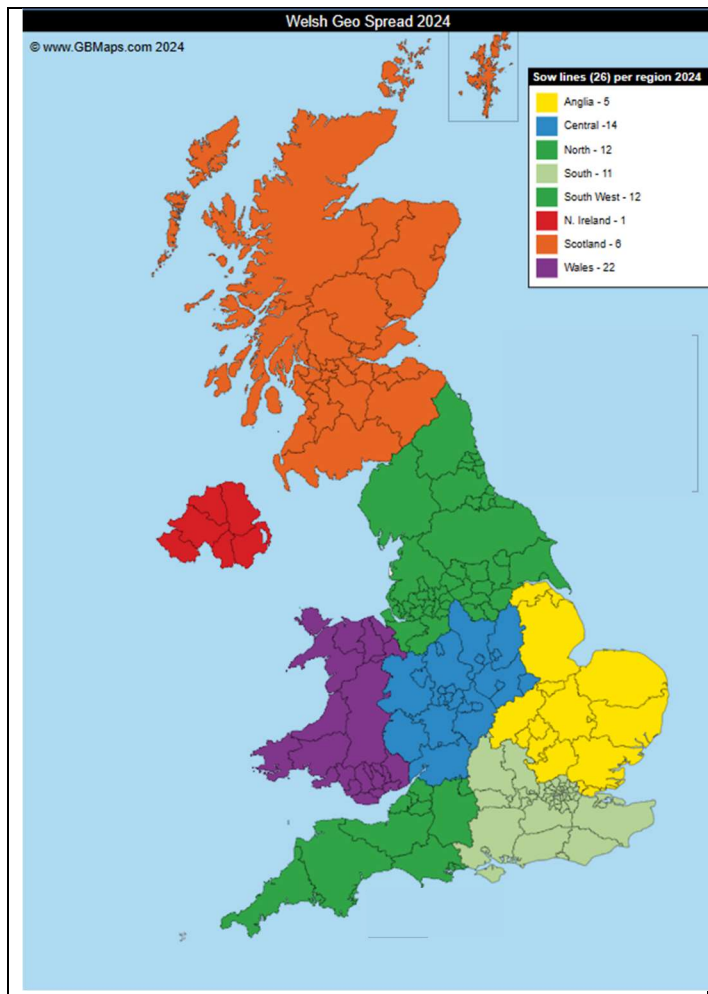


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Members keeping this line					Line Name	Registered Boars				
2023	2022	2021	2020	2004		2023	2022	2021	2020	2004
6	5	7	6	1	Arthur	7	5	8	8	2
5	5	5	5	4	Earl	5	5	6	5	9
8	8	7	6	4	Emperor	9	8	8	10	4
3	2	4	8	1	Imperial	3	2	4	8	1
9	4	8	2	3	Ivor	9	5	8	2	3
6	5	7	10	7	James	7	5	9	10	7
3	3	7	10	1	Leo	4	5	10	14	1
6	5	8	7	2	Ted	10	6	8	8	2
7	4	10	6	10	Victor	7	5	11	6	13
2	2	4	4	1	Vulcan	2	2	7	5	2
4	3	6	6	5	Workman	4	4	9	9	5
					Total	67	52	88	85	49
Members keeping registered pigs						36	40	50	51	





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Welsh Genebanking and Conservation Objectives



Genebanking

reg_no	name	birth_year	tag_no	IB
R000530WE	Churchstone Workman 5	09/05/2005	FFA/95	0.0024
R000857WE	Birdcombe Emperor 45	14/10/2006	WYR/45	0.0174
R002204WE	Tates Earl 37	01/08/2009	MIS/62453J	0.0198
R001905WE	Tates Ted 19	02/08/2009	MIS/62469J	0.0282
R004288WE	Burry Imperial 6466	28/08/2014	ANX/6466	0.0106
R005085WE	Beechwood Arthur 9	23/02/2017	MLF/957	0.0079
R005407WE	Barlings Ivor 862	01/01/2018	ASY/862	0.0119
R006289WE	Leysterspring Vulcan 15	13/07/2020	FFM/1405	0.0061
Welsh	Hopton Leo 9	10/05/2023	PWQ/860	0.0081
Average inbreeding of Welsh Boars in the Genebank				0.0093

Mean Inbreeding for the UK Welsh Population:

2019: 0.0490, 2020: 0.0470, 2021:0.0486, 2022: 0.05348, 2023: 0.05116

Welsh Objectives for 2024

1. To increase the amount of breeders in Scotland and Northern Ireland.
2. Improve overall sow distribution regionally and increase the numbers of the Emma, Flora and Tessa lines along with increased distribution of the Vulcan & Imperial lines.
3. Introduce the Glamorous and Empress lines into Wales. Source a Leo boar for the genebank to complete all 11 lines.

Breed Rep Report

The Welsh breed has seen a loss of a further 27 sows this year and the number of sows with birth notified litters has decreased by 10% compared to last year, this loss has been shared throughout the lines and can partly be attributed to the economic climate and herd dispersals. The Emma is still in an extremely vulnerable position and the Wakeful line has sadly gone.

The number of registered boars being kept has increased by 15% with the Ivor in particular showing a strong improvement, the Imperial line is also starting to increase but the Vulcan is still extremely low.

It is proving difficult to achieve the target of 5 sows and boars being represented in at least 5 herds due to the number of existing lines compared to the number of breeders but work on distributing the lines is increasing and overall the future is looking more hopeful.

Analysis

The number of sows and boars being kept across the regions has remained stable but the number of breeders keeping the rarer lines has got to increase geographically in order to protect them in the event of a disease outbreak. In particular the Emma, Flora, Glamorous,



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Welsh Genebanking and Conservation Objectives



Tessa, Winchat, Lucky Girl and Goldilocks lines need to be distributed regionally along with the Vulcan and Imperial boar lines.

Geographical Situation

Regionally the distribution of sows and boars is virtually in the same position as last year, with the added bonus that Wales has now got every boar line back with the addition of the Ivor line, and the Aconite has also been reintroduced into Wales. Several sow lines are concentrated in only 1 or 2 regions which is putting them at great risk. We need to continue to improve on the number of breeders in Scotland & Northern Ireland to increase the chances of preserving lines in the event of a disease outbreak.

Achievements

The preservation of the Emma line is now underway with a view to sending the progeny to other regions. With the introduction of the Ivor boar Wales now has every boar line back and the Aconite is starting to be distributed to other breeders in Wales.