

Tamworth Conservation Plan 2025

Members keeping this line					Line Name	Total Sows				
2024	2023	2022	2021	2004		2024	2023	2022	2021	2004
13	12	12	12	7	Golden Rose	31	23	16	14	15
19	25	28	22	13	Jacqueline	47	52	71	48	26
8	10	12	9	20	Lucky Lass	18	23	26	17	36
10	10	13	14	14	Maple	16	16	26	26	30
12	18	21	25	12	Melody	31	39	40	43	22
13	14	15	19	10	Princess	31	26	32	40	7
8	6	7	5	5	Rita	13	17	13	7	14
12	10	10	8	9	Roseleaf	19	16	17	14	17
11	12	13	13	12	Ruby	19	27	29	30	9
					Total	225	239	270	239	176
Percentage of sows with purebred litters						65%	64%	66%	67%	

Members keeping this line					Line Name	Registered Boars				
2024	2023	2022	2021	2004		2024	2023	2022	2021	2004
9	9	11	9	5	Dream Boy	11	10	12	9	5
9	9	10	5	5	Glen	9	9	11	5	6
6	6	5	7	5	Golden Ball	7	8	7	8	2
5	5	4	6	7	Golden Ranger	9	9	6	6	9
4	5	5	4	10	Jasper	5	6	6	4	16
6	6	7	8		Ranger	7	6	8	8	
7	8	7	12	8	Royal Standard	8	12	8	13	6
7	9	9	8	4	Yorkshireman	9	9	9	8	5
					Total	65	69	67	61	49
Members keeping registered pigs						56	67	74	78	102

Mean Inbreeding for the UK Tamworth Population:

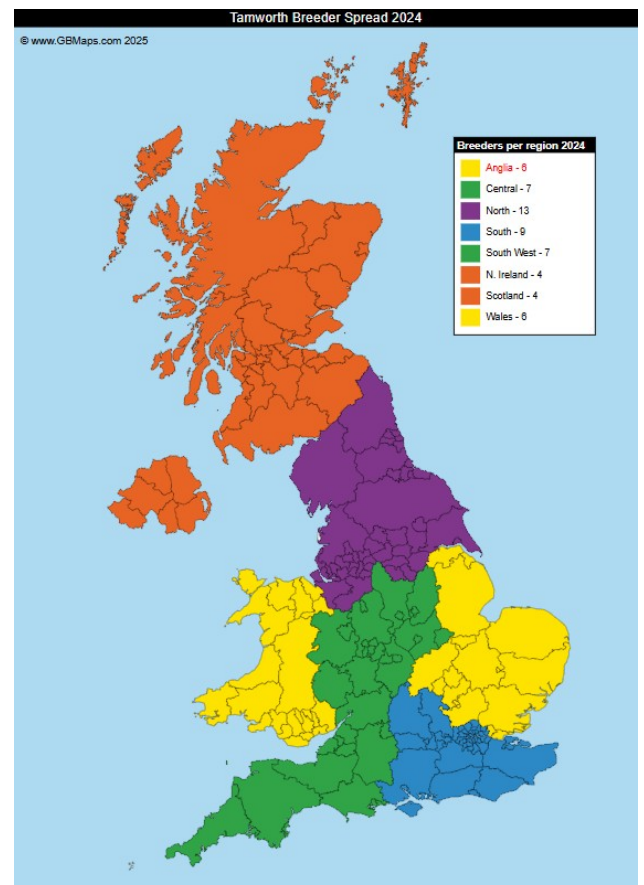
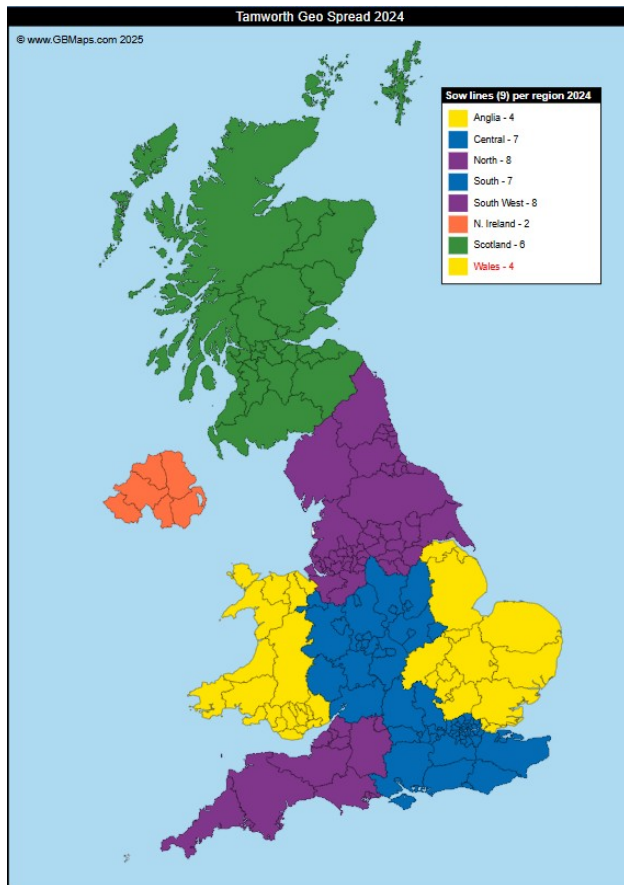
2019: 0.0500, 2020: 0.0505, 2021 0.04653, 2022: 0.04763, 2023: 0.04451,
2024: 0.04626

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	Golden Rose Sows	Jacqueline Sows	Lucky Lass Sows	Maple Sows	Melody Sows	Princess Sows	Rita Sows	Roseleaf Sows	Ruby Sows	Total Sows	2023 Sow lines / region	2023 Sow lines / region	2022 Sow lines / region
Anglia		3	1			1		2		20	4	3	5
Central	10	4		1	8		4	2	3	40	7	9	5
North		5	5	8	8	13	3	5	8	38	8	9	9
South	8	4	1	3	4	1		3		31	7	7	7
South West	12	17	11	4		11	2	5	2	47	8	9	9
N. Ireland		3				4				18	2	2	3
Scotland	1	1			1	1		1	6	7	6	6	6
Wales		10			10		4	1		24	4	5	5
2024 Regions with this line	4	8	4	4	5	6	4	7	4				
2023 Regions with this line	5	8	4	5	6	6	5	7	5				
2022 Regions with this line	6	8	4	4	8	5	4	5	5				

	Dream Boy	Glen	Golden Ball	Golden Ranger	Jasper	Ranger	Royal Standard	Yorkshireman	Total Boars	2024 Boar lines / region	2023 Boar lines / region	2022 Boar lines / region
Anglia		1	1				2		4	3	2	3
Central	2		1	1		1			5	3	8	3
North		3	3		1	1	2	5	15	7	5	6
South	2	1	1		1	1	3	1	10	7	6	5
South West	3	3		4	1	1		3	15	5	7	7
N. Ireland		1				1			2	1	3	3
Scotland	1			1	2		1		5	4	3	3
Wales	3		1	3		2			9	3	7	7
2024 Regions with this line	5	4	4	6	4	3	4	3				
2023 Regions with this line	5	5	5	5	5	5	6	5				
2022 Regions with this line	5	5	3	4	5	6	6	3				

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Tamworth Genebank

HB Reg No	Name	DOB	Ear No	IB coeff. 1	IB coeff. 2
R001611TW	Rosser Dream Boy 02	29/07/2009	HZX/02	0.0162	0.0173
EXE/10	Greenan Glen 2	03/11/2000	EXE/10	0.0165	0.0163
R003233TW	Beechwood Golden Ball 5	26/05/2014	MLF/546	0.0126	0.0131
MBW/1	Ballywilliam Jasper	07/12/2002	MBW/1	0.0354	0.035
R000457TW	Elgany Ranger 107	07/03/2005	FES/107	0.0238	0.0235
R000560TW	Stonemoor Royal Standard 6	26/02/2005	HCE/395	0.018	0.0156
R002444TW	Ramsisland Yorkshireman 37	29/06/2011	BFZ/37	0.0307	0.03
R003786TW	Croxteth Golden Ranger	28/02/2017	MCZ/101	0.0143	0.0148
R004204TW	Shankend Jasper 4	01/12/2017	RKW/58	0.016	0.0159
	Current mean			0.0194	
R004407TW	Fairybank Ranger 13	28/10/2019	YKN/525		0.0085
	New mean				0.0190

Assessment of Tamworth Conservation targets for 2024

Some of the 2024 targets were met with the Jasper and Glen boar lines now in the South region, new breeders of the Rita line and slightly increased numbers of Ranger (+1 boar) and Roseleaf (+3 sows). Maple numbers remained the same and Golden Ball numbers were down by 1 boar rather than being increased. Similarly breeders of Golden Ranger and Jasper are static. We weren't able to move Rita and Ruby to South but more importantly have lost sow lines from other regions so that we now have 0 regions with all 9 sow lines (down from 3 regions) and only 4 lines in 5+ regions (down from 7).

We also weren't able to move Golden Ball to SW nor Royal Standard to Wales and again we have 0 regions with all 8 boar lines (down 1). It's not possible to ascertain whether we have increased the number of breeders in Anglia as there is no data on this but we do have 1 more sow line and 1 more boar line so activity in the region appears to have increased. The overall regional line losses are not surprising given that we've lost 11 breeders this year - down from 67 to 56. The loss of 4 boars from the National Tamworth Herd (down from 69 to 65) and 14 sows (from 239 to 225) with roughly the same percentage of sows with purebred litters (thus passing on genes) will mean our effective population is decreasing.

The Tamworth mean inbreeding co-efficient has increased this year by about 0.002 from 0.04451 to 0.04626 - this is unlikely to be a statistically significant difference but it is in the wrong direction. In the sow population, Jacqueline is still by far the most numerous line and Melody, Golden Rose and Princess have a healthy 30+ sows each since the latter 2 have increased numbers. All other lines have less than 20 sows each with Rita lowest at 13, then Maple at 16 and Lucky Lass at 18. The significance of the specific numbers though isn't clear as we don't have data on the ages or breeding status of individuals within each line. Of the boars, the number in each line across the National Herd is fairly consistent with expected minor fluctuations. Jasper numbers however are lowest at 5 boars spread across only 4 breeders. All others have 9+ boars each, bar Golden Ball and Ranger at 7 boars each. The more boars however the better.

Tamworth 2025 Targets:

- 1) Increase numbers of Rita and Maple sows along with increasing numbers of breeders of Rita and Lucky Lass – 2 more breeders of each means all sow lines are in at least 10 herds.
- 2) Move Golden Rose to North and Melody to SW (giving 2 regions with all 9 sow lines). Move Lucky Lass and Princess to Central and Rita and Ruby to south (giving 2 more regions with all 9 sow lines). Move Maple to Anglia (giving 6 regions with 5+ sow lines) If all target 2 achieved we'll have each sow line represented in at least 5 regions
- 3) Increase numbers and breeders of Jasper (+1 breeder means all boar lines in 5+ herds; +2 boars means all lines have 7+ individuals) Also increase breeders of Golden Ball, Ranger and Golden Ranger and increase numbers of Golden Ball and Ranger 4) Move Golden Ranger to south giving 1 region with all 8 boar lines. Move Dreamboy and Golden Ranger to North plus Golden Ball and Royal Standard to SW giving 2 more regions with all 8 lines.