



# BPA Conservation Breeding Plan 2022

## British Saddleback Survey Results



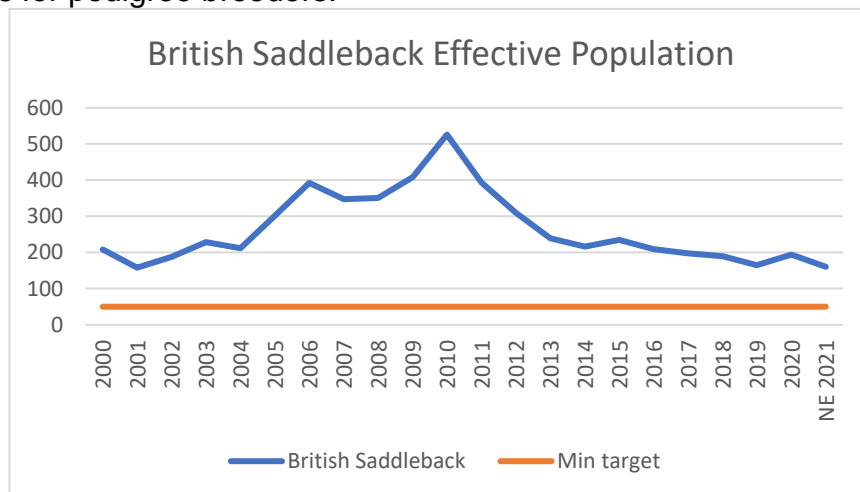
With 28 sow lines the Saddleback faces a serious challenge to meet the target of 5 sows per line and 5 herds keeping each line. The breeders are working hard to ensure that lines that are most at risk are being kept by breeders with a long term commitment to the breed. The lines at greatest risk where neither target is being met are the Alvis, Duchess and Joyful.

Members keeping this sow line					Sow Line	Total Sows				
2021	2020	2019	2018	2004		2021	2020	2019	2018	2004
3	1	1	4	14	Alvis	3	1	2	6	21
8	7	9	14	10	Babble	14	13	22	29	22
9	10	9	16	1	Bell	19	18	17	23	1
8	6	6	7	11	Belle	10	12	9	12	23
10	10	10	9	4	Biddy	12	15	14	13	11
6	5	6	7	2	Bountiful	9	9	10	7	2
13	13	12	8	2	Colleen	14	16	18	16	5
23	21	23	29	15	Dinah	40	46	49	64	26
3	3	4	6	1	Duchess	4	7	7	9	1
7	5	3	1	6	Fidra	15	7	6	3	12
0	1	1	1	8	Gamma	0	4	4	4	7
11	9	11	15	7	Grand Duchess	22	24	23	35	22
6	8	8	6	2	Hilda	10	13	14	7	4
12	11	8	7	5	Ivy	18	15	11	9	14
4	3	2	2	3	Joyful	4	4	2	3	6
9	5	5	5	3	Lady	13	9	7	8	8
4	6	3	3	3	Lassie	9	10	5	4	6
17	15	12	19	14	Lottie	32	30	22	31	32
18	16	13	11	1	Lucy	23	22	19	23	1
6	5	3	6	2	Mary	7	7	3	8	11
18	17	15	17	3	Molly	32	29	25	27	2
8	6	6	6	4	Octavia	11	8	9	13	4
2	5	4	6	2	Red Rose	6	13	5	9	5
6	4	4	6	3	Rose	8	4	4	10	5
6	10	11	21	10	Rosette	12	18	21	41	24
6	6	6	4	5	Shamrock	8	13	10	8	10
32	29	25	21	12	Silver Wings	54	47	44	46	21
3	5	5	4	2	Spot	5	6	7	10	2
					Total	414	420	389	478	308
Percentage of sows with purebred litters						59%	58%	63%	61%	

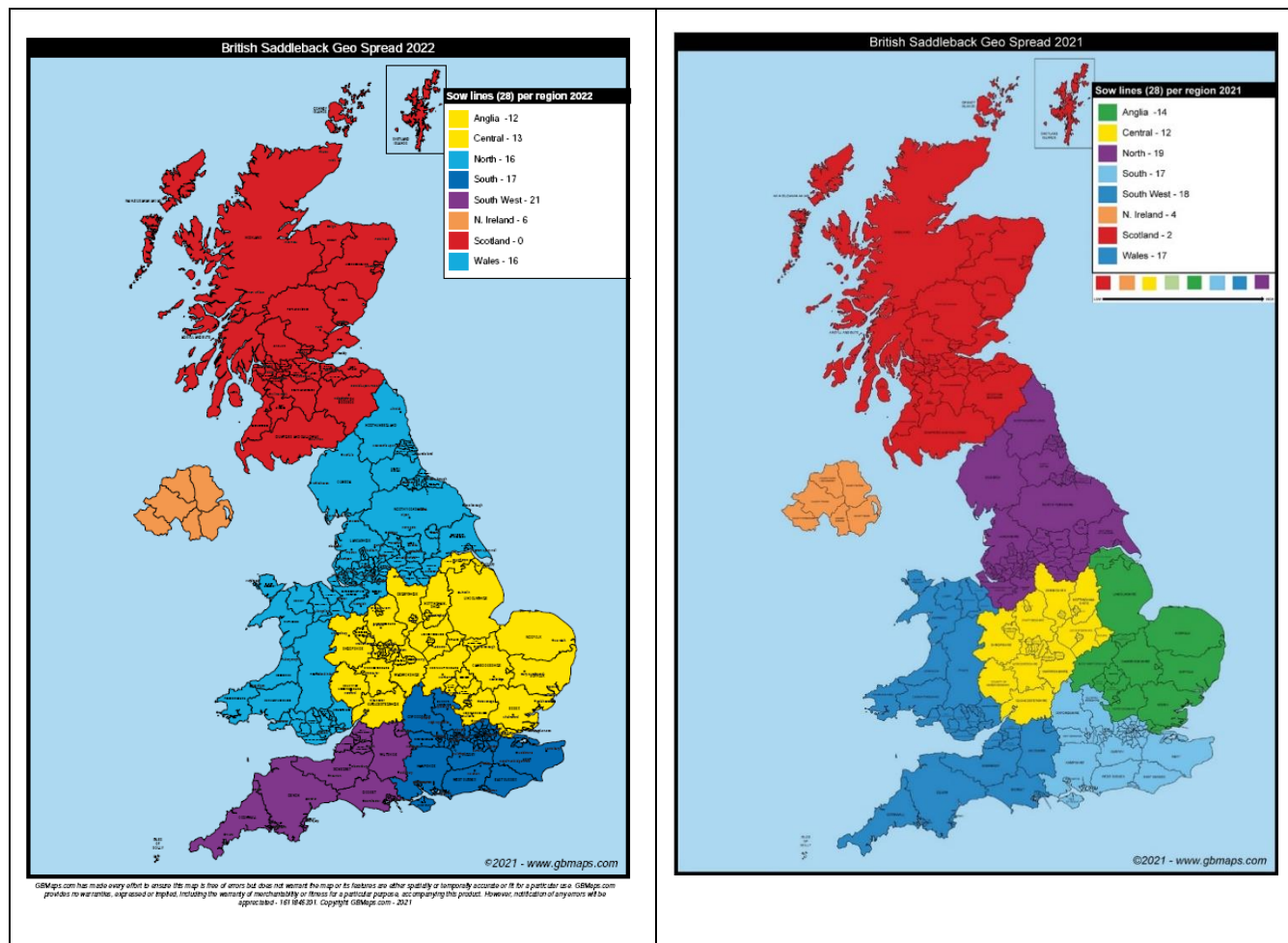
Members keeping this boar line					Boar Line	Registered Boars				
2021	2020	2019	2018	2004		2021	2020	2019	2018	2004
4	3	5	6	7	Carl	5	4	5	6	7
10	12	10	6	3	Consort	11	13	11	6	3
1	5	4	5	14	Dictator	1	6	4	6	15
9	8	6	6	1	Dominator	10	8	6	10	3
4	6	5	4	2	Earl Simon	4	7	6	5	1
9	5	4	5	3	General	10	5	4	7	4
11	9	16	22	4	Golden Arrow	18	12	19	25	4
7	8	7	9	11	Grand Duke	8	8	7	10	10
11	8	8	6	3	Guardsmen	11	9	8	7	3
10	7	10	12	4	Prefect	11	8	12	12	4
4	5	7	8	9	Rajah	4	5	7	9	9
3	4	3	4	2	Stockbroker	3	4	3	4	2
5	5	4	3	2	Viscount	6	6	4	3	2
11	12	13	12	2	Walter	12	12	15	14	2
					Total	114	107	111	124	69
Members keeping registered pigs						136	126	129	146	

There are 4 boar lines which do not meet the 5&5 target, Dictator, Earl Simon, Rajah and Stockbroker

Effective population ( $N_e$ ) size is a measure of the genetic health of the breed. It is calculated as part of the National Inventory of Farm Animal Genetic Resources maintained by Defra based on the annual bloodline survey figures for the UK that we supply. Our 2021 figures will be added in May this year when the inventory is updated. The effective population size of all our native breeds is used in an index as part of the UK monitoring of biodiversity as part of our commitments under the Convention on Biodiversity to which the UK is a signatory. The effective population size is linked to the actual population but there are ways in which we manage this even when sow numbers are falling and this will be our challenge whenever we are faced with difficult times for pedigree breeders.



These maps use a sliding rainbow scale from red to purple. The colours do not represent specific values as the range of lines between breeds is very wide. What they do show for each breed is where the breed is strongest in terms of lines and where it is weakest





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## British Saddleback Effective Population and Geographical Distribution



These tables show in more detail the progress being made to establish all the lines in as many regions as possible.

	Alvis Sows	Babbie Sows	Bell Sows	Belle Sows	Biddy Sows	Bountiful	Colleen	Dinah	Duchess	Fidra	Gamma	Grand Duchess	Hilda	Ivy	Joyful	Lady	Lassie	Lottie	Lucy	Mary	Molly	Octavia	Red Rose	Rose	Rosette	Shamrock	Silver Wings	Spot	Total Sows / Region	2021 Sow lines / region	2020 Sow lines / region	2019 Sow lines / region
Anglia	0	0	0	0	4	1	3	0	0	6	0	1	0	2	1	0	0	8	1	0	13	1	0	2	0	0	0	0	43	12	14	14
Central	0	0	0	0	2	2	3	5	0	1	0	0	0	5	0	3	0	2	5	0	5	1	0	2	0	0	9	0	45	13	12	12
North	0	3	7	2	0	5	0	1	0	1	0	17	0	0	1	0	0	12	2	2	0	5	5	0	7	4	6	0	80	16	19	18
South	2	3	1	0	5	0	3	3	3	0	0	0	4	6	0	0	1	4	3	2	11	0	0	2	0	2	7	0	62	17	17	16
South West	0	8	3	7	1	1	2	23	0	1	0	3	6	5	1	3	7	0	7	0	2	3	1	2	4	0	15	0	105	21	18	18
N. Ireland	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	4	10	6	4	3
Scotland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
Wales	0	0	8	1	0	0	3	8	1	6	0	0	0	0	1	7	1	6	5	3	1	1	0	0	0	0	16	1	69	16	17	14
2021 Regions with this line	2	3	4	3	4	4	5	5	2	5	0	4	2	4	4	3	3	5	6	3	5	5	2	4	3	3	6	2	414			
2020 Regions with this line	1	3	4	3	4	4	6	5	2	4	0	4	4	4	3	3	4	4	6	3	5	5	3	3	4	3	6	3				
2019 Regions with this line	1	3	5	2	5	3	6	5	2	3	0	5	4	3	2	3	2	4	6	2	6	5	2	3	4	3	5	3				

	Carl	Consort	Dictator	Dominator	Earl Simon	General	Golden Arrow	Grand Duke	Guardsman	Prefect	Rajah	Stockbroker	Viscount	Walter	Total boars / Region	2021 Boar lines / region	2020 Boar lines / region	2019 Boar lines / region	2021 Breeders /Region	2020 Breeders /Region	2019 Breeders /Region
Anglia	0	2	1	1	0	1	0	1	1	1	2	0	0	1	11	9	7	12	17	15	15
Central	1	3	0	2	0	1	0	0	3	1	0	0	0	0	11	6	3	8	15	14	14
North	0	1	0	0	1	2	4	3	2	6	1	0	0	0	20	8	8	7	20	20	20
South	2	1	0	2	0	2	1	0	0	0	1	1	1	4	15	9	10	10	22	21	23
South West	2	1	0	1	2	3	3	3	4	1	0	1	3	5	29	12	10	11	27	25	29
N. Ireland	0	2	0	0	1	0	1	0	0	0	0	0	0	0	4	3	5	2	10	9	7
Scotland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Wales	0	1	0	4	0	1	9	1	1	2	0	1	2	2	24	10	11	7	25	20	19
2021 Regions with this line	3	7	1	5	3	6	5	4	5	5	3	3	3	4							
2020 Regions with this line	2	6	4	5	4	2	4	5	5	3	3	4	3	4							
2019 Regions with this line	2	5	4	5	4	4	5	5	5	6	4	1	2	5							

The British Saddleback Breeders identified a suitable Carl boar - Blackthorn Carl 325 and this was added to the Genebank in place of the Guardsman which is now the only line left to collect.

reg_no	Line	DOB	Ear No	IB
BUK/157	Rajah	06/08/1992	BUK/157	0.0074
BZG/218	Grand Duke	06/10/1999	BZG/218	0.0126
BZG/226	Dictator	07/10/1999	BZG/226	0.0255
R001024BS	Golden Arrow	02/02/2005	WMC/165	0.0137
R002552BS	Prefect	23/01/2008	SGX/86	0.0106
R002792BS	Rajah	03/10/2007	GJB/466	0.0228
R003062BS	Dictator	15/05/2008	GJB/11A	0.0273
R005539BS	Stockbroker	12/05/2010	GJB/278B	0.0085
R005818BS	General	09/01/2012	BSX/115E	0.0097
R006428BS	Viscount	02/07/2013	BSX/255E	0.004
R006465BS	Walter	25/07/2013	NMA/48	0.0094
R007629BS	Tudor Dominator 5	09/03/2017	NPR/71	0.0067
R007701BS	Framfield Consort 110	01/08/2017	NMA/110	0.0129
R008089BS	Kajii Earl Simon	01/02/2019	SDU/39A	0.0102
R008594BS	Blackthorn Carl 325	07/05/2021	SXD/325	0.0019
Average inbreeding of British Saddleback boars in the genebank				0.0122

Mean Inbreeding for the UK British Saddleback population:  
2021 0.03436, 2020: 0.0327 2019: 0.0301

### British Saddleback Objectives for 2021

- Improve the numbers and distribution Alvis, Duchess, Joyful and Rose lines
  - *The numbers of sows and keepers has been increased for the Alvis and Rose lines. The Joyful has more breeders. The Duchess line was almost lost but is now being recovered.*
- Improve the numbers and distribution of the Stockbroker line.
  - *Unfortunately it has not been possible to make any progress with the Stockbroker line.*
- Add a Guardsman boar to the Genebank
  - *There was no suitable Guardsman boar available and so a Carl boar was added to the genebank.*

### British Saddleback Conservation Targets 2022

- Improve the distribution of the Red Rose line
- Bring the Gamma line back from Ireland
- Add the Guardsman line to the Genebank