

## Impact of Setting a Limit on Number of Litters Sired per Year (if limit is 2 litters/year)

Table showing 2011 - 2016 sires with more than 2 litters born in a year

### *Points to note*

- All figures are based on year of birth **not** year of registration.
- 412 litters were born during the period, sired by 147 sires.
- Setting the annual limit at 2 litters per sire would affect 24 sires who were responsible for >4 out of every 10 litters born (170 out of 412). The remaining litters were sired by 123 different sires.
- ~1 in 10 of the litters born (43 litters out of 412, or 10.4%) were sired by sires exceeding the annual limit.
- This drops to 1 in 18 (23 out of 412 litters, or 5.6%) if some of the breeders defer having the litter until the following year in order to stay within the limit. Only 12 sires remain affected if this is done.

Sire	No of litters (by year of birth)						Total	(a) No. litters possible to defer by 1 yr	(b) No. litters not possible to defer by 1 yr
	2011	2012	2013	2014	2015	2016			
Sire A	4	6	4	2			16		8
Sire B	2	3	4	3	1		13	1	3
Sire C	4	2	1	2			9		2
Sire D	4	2	2	1	1		10		2
Sire E	4	1					5	1	1
Sire F	3	2	2	2	2		11		1
Sire G					3	3	6	1	1
Sire H	1	3	2	1	1		8		1
Sire I	2	3	2	1			8		1
Sire J	4	1		1			6	1	1
Sire K		2	1	4	1	1	9	1	1
Sire L	3		3	2	1	1	10	1	1
Sire M				3			3	1	
Sire N	3		1				4	1	
Sire O			3		3		6	2	
Sire P				2	3		5	1	
Sire Q	3	1				1	5	1	
Sire R	3	1					4	1	
Sire S			1			4	5	2	
Sire T	2	1	1		3	1	8	1	
Sire U		2	3				5	1	
Sire V			1			3	4	1	
Sire W	2	3					5	1	
Sire X	3	1	1				5	1	
<b>Subtotal (24 sires)</b>	<b>47</b>	<b>34</b>	<b>32</b>	<b>24</b>	<b>19</b>	<b>14</b>	<b>170</b>	<b>20</b>	<b>23</b>
All other sires (123)	47	40	54	40	32	29	<b>242</b>		
<b>Total (147 sires)</b>	<b>94</b>	<b>74</b>	<b>86</b>	<b>64</b>	<b>51</b>	<b>43</b>	<b>412</b>		

Col. (a) shows no. of litters that **could be deferred** to the next year to avoid exceeding the quota

Col. (b) shows the no. of litters that **could not be deferred** because the quota for the succeeding year has been used

Total litters born 2011 - 2016 412  
 Total sires affected by a quota 24

No of sires which could avoid being affected by the quota by deferring litter(s) to the next year 12  
 No of sires which could not avoid being affected by a quota 12

No of litters which could be deferred to fall within the quota 20 4.9%  
 No of litters which could not be deferred to fall within the quota 23 5.6%

Sire	No of litters (by year of birth)						Total	(a) No. litters possible to defer by 1 yr	(b) No. litters not possible to defer by 1 yr
	2011	2012	2013	2014	2015	2016			
Sire A	4	6	4	2			16		8
Sire B	1 (+1)	3	3 (+1)	2 (+1)	0 (+1)		13		2
Sire C	4	2	1	1 (+1)			9		2
Sire D	2 (+2)	1 (+1)	0 (+2)	0 (+1)	0 (+1)		10		
Sire E	3 (+1)	1					5	1	
Sire F	0 (+3)	0 (+2)	2	0 (+2)	2		11		
Sire G					2 (+1)	2 (+1)	6		
Sire H	1	2 (+1)	2	1	1		8		
Sire I	2	3	2	1			8		1
Sire J	4	1		0 (+1)			6	1	1
Sire K		2	1	4	1	1	9	1	1
Sire L	2 (+1)		3	1 (+1)	1	1	10	1	
<b>Total</b>	<b>23 (+8)</b>	<b>21 (+4)</b>	<b>18 (+3)</b>	<b>12 (+7)</b>	<b>7 (+3)</b>	<b>4 (+1)</b>	<b>85 (+26)</b>	<b>4</b>	<b>15</b>

The number in brackets is the number of personal use (own affix) litters **contributing to** the sire's total for the year e.g. **3 (+1)** means the sire produced **4 litters (3+1)** in that year, of which **1 was a personal use (own affix) litter**

**NOTE - Definition of 'personal use':**

A litter is counted as 'personal use/own affix' when sire, dam and progeny all have affix showing the same ownership e.g. Sire at Myaffix mated to Dam at Myaffix, puppies registered under Myaffix

**Points to note**

- Some of the sire owners affected by a quota if 'personal use' litters are included are not affected when 'personal use' litters are excluded.
- Around one quarter of the litters sired by the 12 top sires (26 out of 111) are 'personal use' litters.
- Only 1 in 27 of the litters born (15 out of 412 litters, or 3.6%) could not be deferred and would be exceeding the annual limit.
- The main caveat on these figures is that the definition of 'personal use' does not include sires bought in which do not carry the new owner's affix, as 'own use' cannot be clearly identified in these cases.

***One other observation***

- *Assuming 'popular' is defined as any sire that has sired more than 2 litters in ANY year between 2011 and 2016, the proportion of popular sires is 16% (24 out of 147) and they account for 41% of the total number of litters born (170 out of 412).*
- *Annual calculations for the % of total litters produced by 'popular' sires since 2000, based on registrations, consistently works out at 35% - 42%, so the 2011-2016 analysis is consistent with the annual figures.*

Name	No. of litters (by year of birth)						Total	(a) No. Litters possible to defer by 1 yr	(b) No. Litters not possible to defer by 1 yr
	2011	2012	2013	2014	2015	2016			
Dog A	4	6	4	2			16		8
Dog B	2	3	4	3	1		13	1	3
Dog C	4	2	1	2			9		2
Dog D	4	2	2	1	1		10		2
Dog E	4	1					5	1	1
Dog F	3	2	2	2	2		11		1
Dog G					3	3	6	1	1
Dog H	1	3	2	1	1		8		1
Dog I	2	3	2	1			8		1
Dog J	4	1		1			6	1	1
Dog K		2	1	4	1	1	9	1	1
Dog L	3		3	2	1	1	10	1	1
Dog M				3			3	1	
Dog N	3		1				4	1	
Dog O			3		3		6	2	
Dog P				2	3		5	1	
Dog Q	3	1				1	5	1	
Dog R	3	1					4	1	
Dog S			1			4	5	2	
Dog T	2	1	1		3	1	8	1	
Dog U				3			3	1	
Dog V		2	3				5	1	
Dog W			1			3	4	1	
Dog X	2	3					5	1	
Dog Y	3	1	1				5	1	
<b>Subtotal</b>	<b>47</b>	<b>34</b>	<b>32</b>	<b>27</b>	<b>19</b>	<b>14</b>	<b>173</b>	<b>21</b>	<b>23</b>
<b>All other sires</b>	47	40	54	38	32	29	<b>240</b>		
<b>Total</b>	94	74	86	65	51	43	<b>413</b>		

Col. (a) shows no. of litters that **could be deferred** to the next year to avoid exceeding the quota

Col. (b) shows the no. of litters that **could not be deferred** because the quota for the succeeding year has been used

*Total litters born 2011 2016* 413

*Total sires affected by a quota* 25

*No of sires which could avoid being affected by the quota by deferring litter(s) to the next year* 13

*No of sires which could not avoid being affected by a quota* 12

*No of litters which could be deferred to fall within the quota* 21 5.1%

*No of litters which could not be deferred to fall within the quota* 23 5.6%

*Total sires not affected by a quota* 122

**Table showing 'Personal use/own affix' litters for sires who could not avoid exceeding the quota**

Name of Sire	2011	2012	2013	2014	2015	2016	Total	No. Litters possible to defer by 1 yr	No. Litters not possible to defer by 1 yr
Dog A	4	6	4	2			16		8
Dog B	2 (1)	3	4 (1)	3(1)	1(1)		13	1	3
Dog C	4	2	1	2(1)			9		2
Dog D	4(2)	2(1)	2(2)	1(1)	1(1)		10		2
Dog E	4(1)	1					5	1	1
Dog F	3(3)	2(2)	2	2(2)	2		11		1
Dog G					3(1)	3(1)	6	1	1
Dog H	1	3(1)	2	1	1		8		1
Dog I	2	3	2	1			8		1
Dog J	4	1		1(1)			6	1	1
Dog K		2	1	4	1	1	9	1	1
Dog L	3(1)		3	2(1)	1	1	10	1	1

The number in brackets is the number of personal use (own affix) litters **included in** the total for the year  
e.g. 3 (1) means 1 out of 3 litters born in that year was a personal use (own affix) litter

**NOTE - Assumption for 'personal use' analysis:**

Litter is counted as 'personal use/own affix' when sire, dam and progeny all have affix showing the same ownership

eg Dog A at Myaffix mated to Bitch A at Myaffix, puppies registered under Myaffix

*Re personal use: very few of the breeders affected by a quota if 'own use' litters are included are **not affected** if 'own use' litters are excluded. The main caveats on this analysis is that the definition of 'own use' does not include sires bought in which do not carry the new owners affix as ownership isn't clearly identified. Only UK registered litters have been included.*

*One other observation worth making:*

*If you define as 'popular' any sire that has sired **more than 2 litters in ANY year** between 2011 and 2016, the **proportion of popular sires is 17%** (25 out of 147) and **they account for 42% of the total number of litters born** (173 out of 413).*

*Annual calculations for the % of total litters produced by 'popular' sires since 2000, based on registrations, consistently works out at 35% - 42%, so the 2011-2016 analysis is consistent with the annual figures*