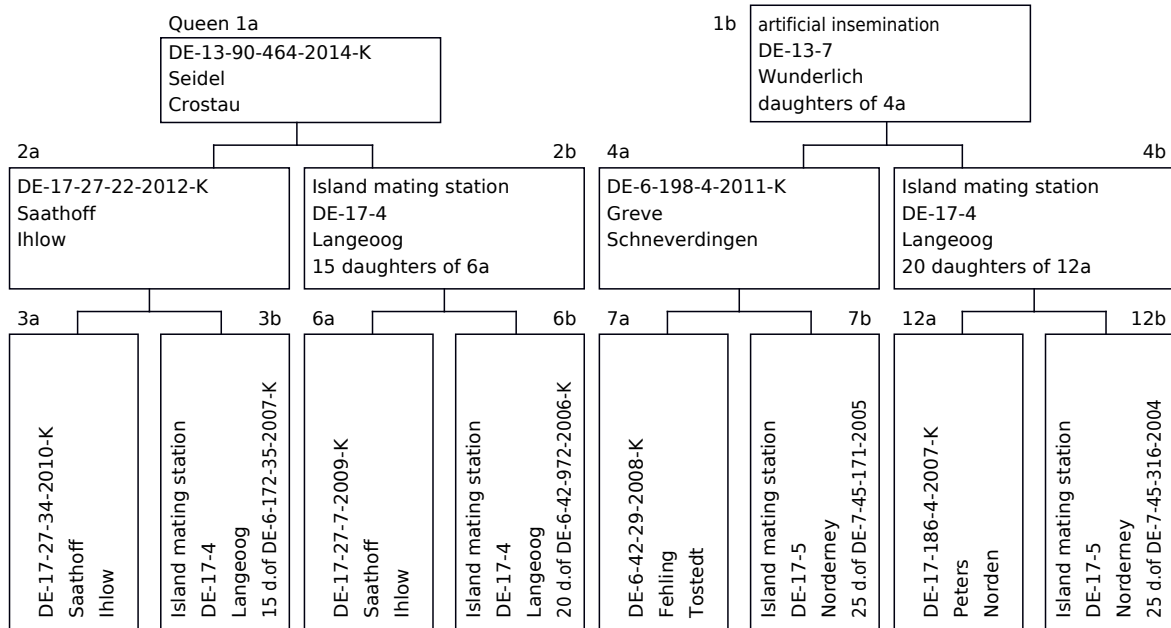


Tester of the queen: Seidel, Gerd, 02681 Crostau, DE-13-90, Apiary 1
Breeder of the queen: Seidel, Gerd, 02681 Crostau, DE-13-90
1a Studbook number: **DE-13-90-464-2014-K**

Race line: Sign: green 74
Generation: 0 Hatch date: 01.06.2014

Daughters of
Queen: 1.1%
Workers: 1%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 29			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	54.8	140.3	6	34	39.1
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	131			
Honey yield	-	123			0.43
Defensive behavior	4	137			0.65
Steadiness on comb	4	138			0.67
Swarming drive	4	142			0.43
Varroa	-	109*			0.53
Performance index	-	0			
Robustness in winter	4		70%	100%	170%
Development in Spring	4				
Colony strength	4				

¹In accordance with the resolution of the breeder convention of 9th April 2011, for the total breeding value, Varroa tolerance is weighted by 40% and honey yield, gentleness, calmness during inspection, and swarming tendency are each weighted by 15%.

Only one Varroa trait was recorded

C. Performance of the sisters

See page 2

D. Body features, see appendix

See attached characteristic documents:

E. Results

Class A

Suitable for breeding with no restrictions; suitable for use as a 4a colony at frequently visited mating stations (all customary breeding values over 100).

Breeding selection report DE-13-90-464-2014-K

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Performance of the sisters

Amount of checked sisters: 12

Studbook number	Tester of the queen	Apiary	Total breeding value	Yield kg	Breeding Value Honey	Defensive behavior	Breeding Value Defensive Behavior	Calmness during inspection	Breeding Value Calmness	Swarming drive	Breeding Value Swarming	Varroa index	Performance index
DE-13-90-463-2014	DE-13-90	1	101	17.3	94	2.4	Behavior	3	100	2	100	104*	
DE-13-90-464-2014-K	DE-13-90	1	131	54.8	123	4	137	4	138	4	142	109*	
DE-13-90-465-2014	DE-13-90	1	114	39.5	109	3.5	117	3.4	117	3	113	107*	
DE-13-90-466-2014	DE-13-90	1	98	31	101	2.5	102	3	105	2	101	92*	
DE-13-90-467-2014	DE-13-90	1	104	28	100	3	104	2.5	104	1.9	99	106*	
DE-13-90-468-2014	DE-13-90	1	109	28.3	101	3.5	110	2.5	110	2.5	105	108*	
DE-13-90-469-2014	DE-13-90	1	99	38.7	104	2.8	101	2	103	2.5	104	93*	
DE-13-90-470-2014	DE-13-90	1	113	39.7	110	3	117	3.9	118	2.9	111	105*	
DE-13-90-471-2014	DE-13-90	1	92	26	97	1.9	95	2	97	1.8	97	89*	
DE-13-90-472-2014-K	DE-13-90	1	123	53.5	120	3.5	126	4	127	4	135	105*	
DE-13-90-473-2014	DE-13-90	1	109	41.4	108	3	108	3.2	109	3.2	111	104*	
DE-13-90-474-2014-D	DE-13-90	1	105	38.5	104	3	103	2	103	2	100	106*	

Only one Varroa trait was recorded