

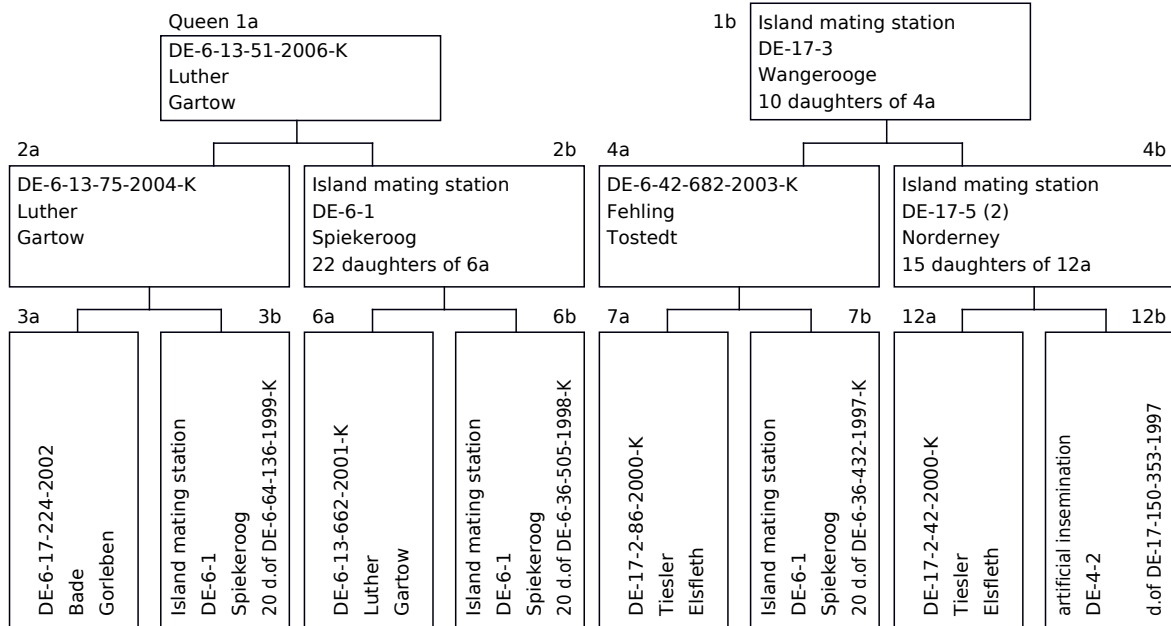
Tester of the queen: Luther, Friedrich, 29471 Gartow, DE-6-13, Apiary 1
 Breeder of the queen: Luther, Friedrich, 29471 Gartow, DE-6-13
1a Studbook number: **DE-6-13-51-2006-K**

Race line: -21
 Generation: 2

Sign: white 2
 Hatch date: 17.06.2006

Daughters of
 Queen: 22.5%
 Workers: 5.0%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 106			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	70.6	152.9	1	14	46.2	
	Assessment*	Breeding values			Reliability	
Total breeding value¹	-	86				
Honey yield	-	93				0.65
Defensive behavior	4	92				0.72
Steadiness on comb	4	94				0.71
Swarming drive	4	106				0.66
Varroa	-	76*				0.69
Performance index	-	95				0.65
Robustness in winter	4					
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 J

Breeding selection report DE-6-13-51-2006-K

Page 2

Performance of the sisters

Amount of checked sisters: 14

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-6-13-50-2006	DE-6-13	1	85	50.4	87	3.6	91	3.7	99	4	106	77*	93
DE-6-13-51-2006-K	DE-6-13	1	86	70.6	93	4	92	4	94	4	106	76*	95
DE-6-13-52-2006-K	DE-6-13	1	89	70.4	91	3.9	99	3.8	101	4	107	78*	100
DE-6-13-53-2006-K	DE-6-13	1	88	52.4	88	4	98	4	101	4	100	80*	96
DE-6-13-60-2006	DE-6-13	1	88	64	90	3.9	96	3.9	98	4	102	81*	96
DE-6-13-63-2006	DE-6-13	1	86	39.8	86	4	99	4	102	4	98	77*	95
DE-6-13-75-2006	DE-6-13	1	88	53.4	88	3.8	96	3.9	99	4	100	82*	95
DE-6-13-70-2006	DE-6-42	4	86		82		100		102		91	80	93
DE-6-13-76-2006	DE-6-42	4	84		85		93		97		96	77	92
DE-6-195-16-2006	DE-6-195	1	88		88		98		102		104	78*	98
DE-6-195-18-2006	DE-6-195	1	86		86		98		100		95	78*	94
DE-6-195-17-2006	DE-6-195	2	88		88		98		101		96	80*	95
DE-6-13-79-2006	DE-17-27	1	87		87		98		100		101	78	96
DE-6-13-81-2006	DE-17-27	1	83		85		94		99		95	75	92

Only one Varroa trait was recorded