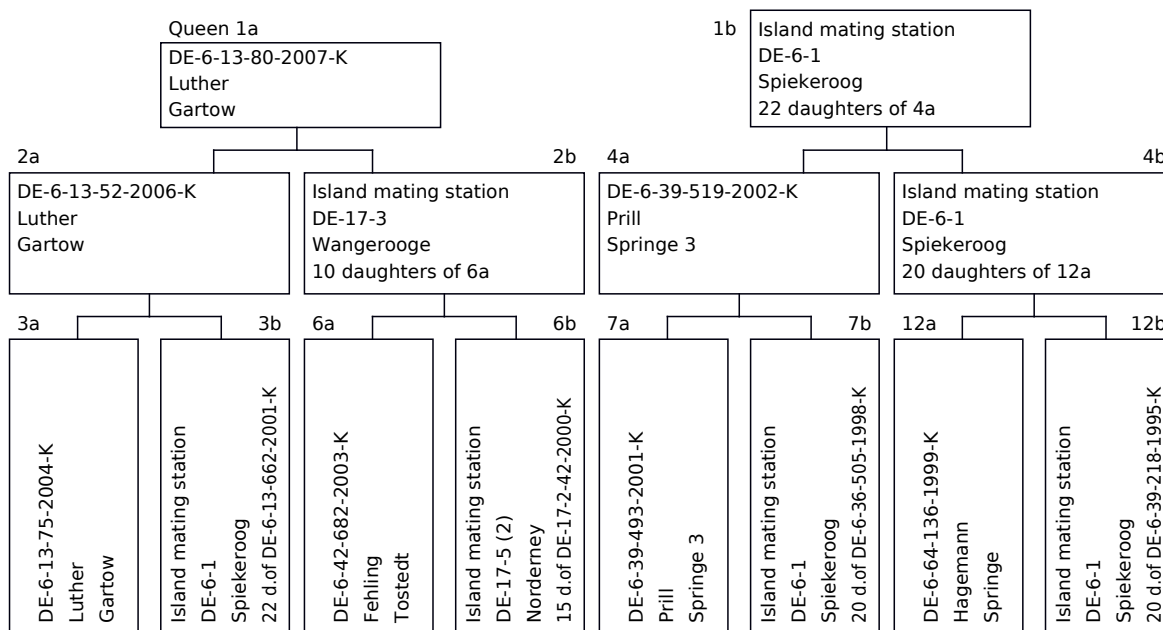


Tester of the queen: Luther, Friedrich, 29471 Gartow, DE-6-13, Apiary 1
 Breeder of the queen: Luther, Friedrich, 29471 Gartow, DE-6-13
1a Studbook number: **DE-6-13-80-2007-K**

Race line: -21 Sign: yellow 24 Daughters of Queen: 1.1%
 Generation: 2 Hatch date: 29.6.2007 Workers: 5.8%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 103			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	64.1	118.3	6	13	54.2
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	117			
Honey yield	-	110			0.48
Defensive behavior	4	118			0.66
Steadiness on comb	4	119			0.68
Swarming drive	4	124			0.48
Varroa	-	107			0.56
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%.

C. Performance of the sisters

See page 2

D. Body features, see appendix

See attached characteristic documents:

E. Results

Class Av

Selected for Varroa tolerance. Suitable for breeding with no restrictions; suitable for use as a 4a colony at frequently visited mating stations.

Breeding selection report DE-6-13-80-2007-K

Page 2

Performance of the sisters

Amount of checked sisters: 6

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-6-13-70-2007	DE-6-13	1	112	55.9	103	3.8	109	3.8	109	4	116	111	
DE-6-13-72-2007	DE-6-13	1	115	71.4	113	3.8	109	3.8	108	4	116	112	
DE-6-13-75-2007-K	DE-6-13	1	126	66.3	112	4	118	4	117	4	117	127	
DE-6-13-80-2007-K	DE-6-13	1	117	64.1	110	4	118	4	119	4	124	107	
DE-6-13-71-2007	DE-6-195	1	96		100		94		94		114	92	
DE-6-13-73-2007	DE-6-195	1	101		77		110		109		114	98	