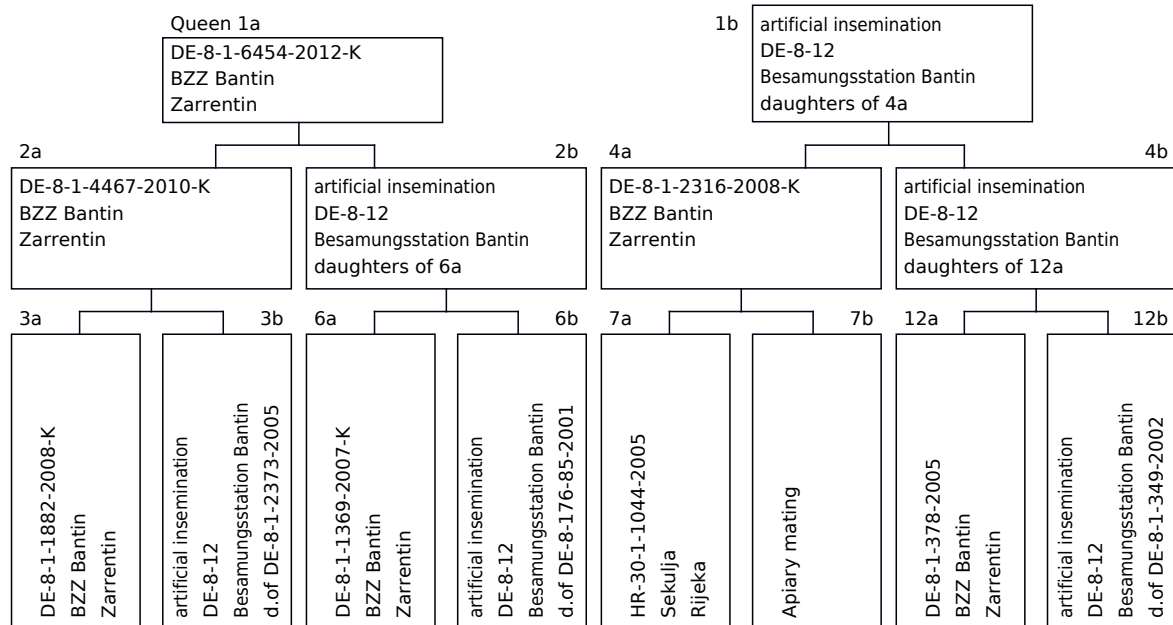


Tester of the queen: BZZ Bantin, Landesverband der Imker M-V, 19246 Zarrentin, DE-8-1, Apiary 1  
 Breeder of the queen: BZZ Bantin, Landesverband der Imker M-V, 19246 Zarrentin, DE-8-1  
**1a** Studbook number: **DE-8-1-6454-2012-K**

Race line: -27 Sign: yellow 89 Daughters of Queen: 1.1%  
 Generation: Hatch date: 4.6.2012 Workers: 0.8%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony 1			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	49	104.7	8	20	46.8
	Assessment*	Breeding values			Reliability
<b>Total breeding value<sup>1</sup></b>	-	114			
Honey yield	-	105			0.4
Defensive behavior	4	108			0.6
Steadiness on comb	4	106			0.63
Swarming drive	4	109			0.39
Varroa	-	116			0.5
Performance index	-	0			
Robustness in winter	3.90		70%	100%	170%
Development in Spring	3.90				
Colony strength	4				

<sup>1</sup>In 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-8-1-6454-2012-K

## Page 2

### Performance of the sisters

Amount of checked sisters: 11

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-8-1-6451-2012-D	DE-8-1	1	87	21.5	80	4	107	4	107	4	113	73	
DE-8-1-6452-2012-K	DE-8-1	1	100	40	97	4	107	4	108	4	113	90	
DE-8-1-6453-2012-D	DE-8-1	1	92	56	103	3.4	75	3.5	74	3.8	88	107	
DE-8-1-6454-2012-K	DE-8-1	1	114	49	105	4	108	4	106	4	109	116	
DE-8-1-6455-2012-K	DE-8-1	1	101	60	110	3.7	91	3.8	91	3.9	102	104	
DE-8-1-6456-2012-K	DE-8-1	1	114	58	112	3.9	102	3.9	99	4	107	119	
DE-8-1-6459-2012-K	DE-8-1	1	92	40	96	3.8	100	4	101	4	109	83	
DE-8-1-6460-2012-D	DE-8-1	1	86	38	92	3.9	96	3.8	98	3.9	107	76	
DE-8-1-6449-2012	DE-8-1	2	86	50	98	3.9	92	3.8	95	3.8	106	76	
DE-8-1-6450-2012-K	DE-8-1	2	99	56	105	3.9	98	3.9	98	4	109	94	
DE-8-1-6458-2012	DE-8-1	2	88	47	96	3.8	87	3.8	87	3.9	101	88	