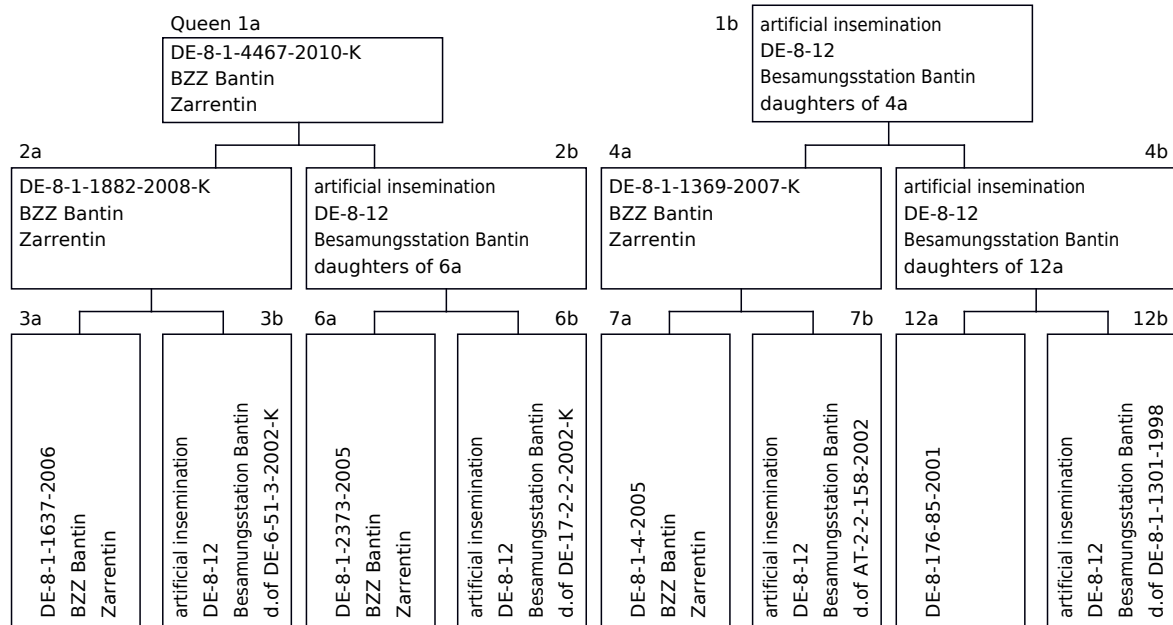


Tester of the queen: BZZ Bantin, Landesverband der Imker M-V, 19246 Zarrentin, DE-8-1, Apiary 1
 Breeder of the queen: BZZ Bantin, Landesverband der Imker M-V, 19246 Zarrentin, DE-8-1
1a Studbook number: **DE-8-1-4467-2010-K**

Race line: -31 Sign: blue 36 Daughters of Queen: 0%
 Generation: Hatch date: 7.6.2010 Workers: 1.1%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 1			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	86	118.3	1	9	72.7
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	119			
Honey yield	-	117			0.31
Defensive behavior	4	124			0.49
Steadiness on comb	4	125			0.53
Swarming drive	4	128			0.33
Varroa	-	102			0.42
Performance index	-	0			
Robustness in winter	4		70%	100%	170%
Development in Spring	3.50				
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-8-1-4467-2010-K

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Performance of the sisters

Amount of checked sisters: 8

Studbook number	Tester of the queen	Apiary	Total breeding value	Yield kg	Breeding Value Honey	Defensive behavior	Breeding Value Defensive	Calmness during inspection	Breeding Value Calmness	Swarming drive	Breeding Value Swarming	Varroa-index	Performance ndex
DE-8-1-4458-2010	DE-8-1	1	87	74	97	3	Behavior	3	3	4	drive	77	
DE-8-1-4460-2010	DE-8-1	1	110	78	104	4	109	3	inspection 108	3	105	110	
DE-8-1-4462-2010-K	DE-8-1	1	100	68	94	3.5	103	3.5	103	4	112	95	
DE-8-1-4463-2010-K	DE-8-1	1	103	81	105	4	104	2	103	1	99	102	
DE-8-1-4464-2010	DE-8-1	1	103	74	99	4	109	3	108	3	106	98	
DE-8-1-4466-2010	DE-8-1	1	89	62	83	3	91	3	89	1	83	100	
DE-8-1-4467-2010-K	DE-8-1	1	119	86	117	4	124	4	125	4	128	102	
DE-8-1-4572-2010	DE-8-1	1	102	66	88	3	90	3	87	3.5	92	119	