

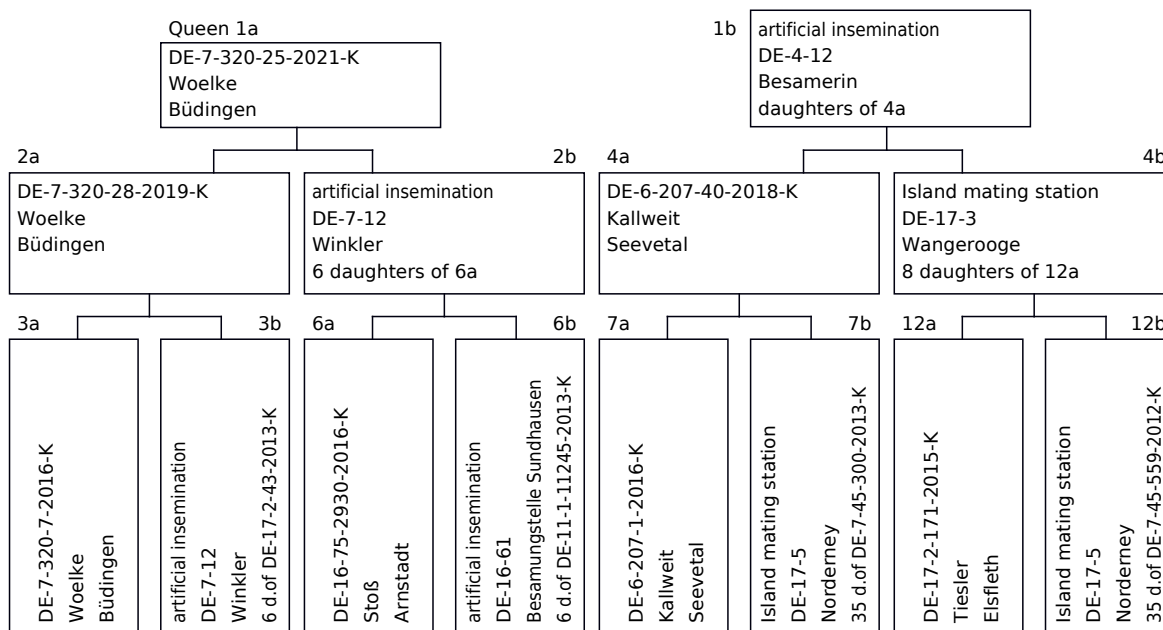
Tester of the queen: LLH Bieneninstitut Kirchhain, 35274 Kirchhain, DE-7-45, Apiary 1
Breeder of the queen: Woelke, Rolf, 63654 Büdingen, DE-7-320
1a Studbook number: **DE-7-320-25-2021-K**

Race line: -Carnica
Generation: 3

Sign: white 25-3
Hatch date: 10.06.2021

Daughters of
Queen: 1.2%
Workers: 2.1%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 486			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	44.7	133.5	8	20	33.5
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	117			
Honey yield	-	112			0.44
Defensive behavior	3.20	116			0.54
Steadiness on comb	2.50	115			0.54
Swarming drive	4	113			0.5
Varroa	-	113			0.51
Performance index	-	116			0.44
Robustness in winter			70% 100% 170%		
Development in Spring					
Colony strength					

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

none Analysis of race characteristics

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-7-320-25-2021-K

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Performance of the sisters

Amount of checked sisters: 7

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-7-320-25-2021-K	DE-7-45	1	117	44.7	112	3.2	116	2.5	115	4	113	113	116
DE-7-320-23-2021	DE-7-45	3	113	68.6	110	2.7	113	2.6	114	2	102	110	111
DE-7-320-22-2021	DE-7-45	4	118	6.5	104	3	120	2.5	118	4	116	113	116
DE-7-320-34-2021	DE-7-177	2	117		112		119		118		112	111*	117
DE-7-320-35-2021	DE-7-177	2	119		111		121		122		109	114*	118
DE-7-320-15-2021	DE-7-183	1	116		111		115		115		109	113	114
DE-7-320-26-2021	DE-7-183	1	119		114		117		118		112	114	118

Only one Varroa trait was recorded