

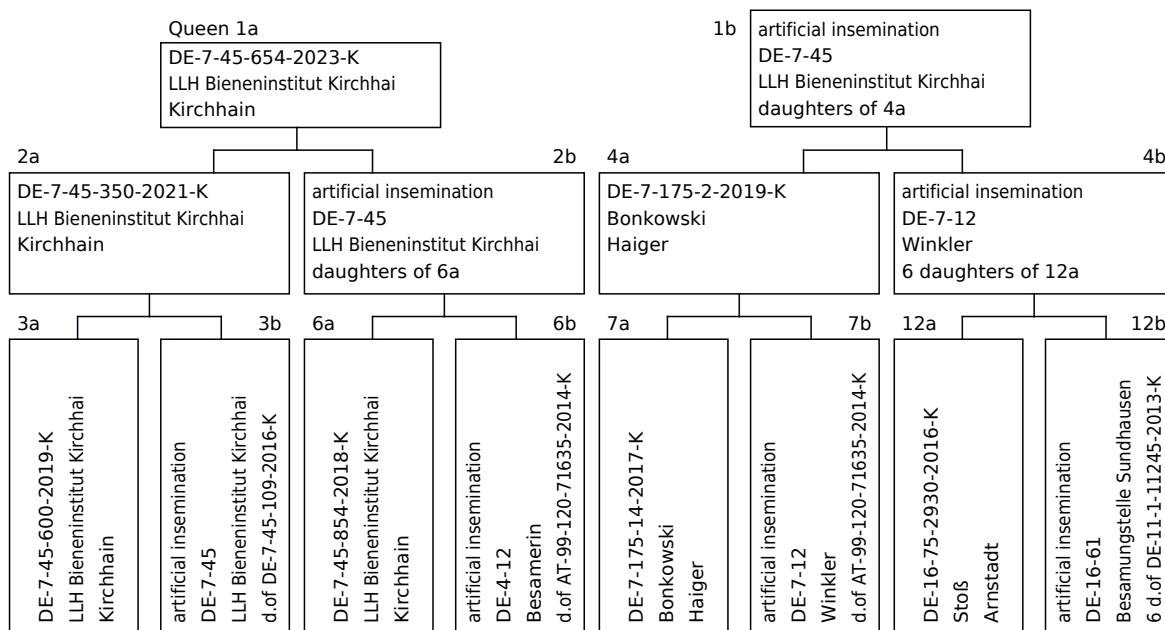
Breeding selection report

DE-7-45-654-2023-K

Tester of the queen: Büchler, Ralph, 35274 Kirchhain, DE-7-328, Apiary 1
Breeder of the queen: LLH Bieneninstitut Kirchhain, 35274 Kirchhain, DE-7-45
1a Studbook number: **DE-7-45-654-2023-K**

Race line: -AGT Sign: red 42 Daughters of Queen: 5.6%
Generation: 5 Hatch date: 19.06.2023 Workers: 4.2%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 19			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	54.6	125.6	3	12	43.5

	Assessment*	Breeding values										Reliability
Total breeding value¹	-	117										
Honey yield	-	107										0.48
Defensive behavior	3.40	111										0.57
Steadiness on comb	2.80	107										0.57
Swarming drive	4	114										0.5
Varroa	-	117										0.52
Performance index	-	112										0.48
Robustness in winter	2.50											
Development in Spring	3											
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.

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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 Behavior	Calmness during inspection	Breeding Value Calmness	Swarming drive	Breeding Value Swarming	Varroa-index	Performance index
DE-7-45-651-2023	DE-7-45	1	117		107		114		107		114	115	114
DE-7-45-652-2023	DE-7-45	3	114		106		113		108		113	112	112
DE-7-45-657-2023	DE-7-45	3	114		104		110		107		113	(114)	110
DE-7-45-658-2023-K	DE-7-45	4	120		108		116		112		112	119	114
DE-7-45-650-2023	DE-7-320	1	113		100		111		108		111	112	109
DE-7-45-654-2023-K	DE-7-328	1	117	54.6	107	3.4	111	2.8	107	4	114	117	112
DE-7-45-653-2023	DE-18-26	3	103		96		96		96		107	106	99
DE-7-45-662-2023	DE-41-13	1	119		(106)		116		113		114	117*	115

Only one Varroa trait was recorded