Breeding selection report
DE-6-90-146-2023-K

Tester of the queen:	Schäfer, Horst W., 30657 Hannover, DE-6-90, Apiary 1	
Breeder of the queen:	Schäfer, Horst W., 30657 Hannover, DE-6-90	
1a Studbook number:	**DE-6-90-146-2023-K**	
Race line: -90	Sign: red 46	Daughters of Queen: 0.6%
Generation: 1	Hatch date: 12.07.2023	Workers: 0.8%

A. Pedigree

B. Own performance

	No. of the colony 3			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
Performance test year	30	102.7	7	10	29.2

	Assessment*	Breeding values	Reliability
Total breeding value[1]	-	117	
Honey yield	-	114	0.5
Defensive behavior	3.80	107	0.58
Steadiness on comb	3.40	104	0.58
Swarming drive	4	122	0.52
Varroa	-	114	0.52
Performance index	-	114	0.5
Robustness in winter			
Development in Spring			
Colony strength			

70% 100% 170%

[1]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.

16.06.2025

For the correctness DE-6

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Performance of the sisters

Amount of checked sisters: 17

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 during inspection	Swarming drive	Breeding Value Swarming drive	Varroa-index	Performance ndex
DE-4-306-237-2023	DE-4-306	2	116		115		109		99		123	116	112
DE-4-306-243-2023	DE-4-306	2	114		(111)		107		106		110	115	110
DE-4-306-244-2023	DE-4-306	2	113		(110)		107		101		109	114	108
DE-6-90-146-2023-K	DE-6-90	1	117	30	114	3.8	107	3.4	104	4	122	114	114
DE-6-90-160-2023	DE-6-90	1	115	33.2	111	3.7	107	3.4	104	1	108	(117)	109
DE-6-90-147-2023	DE-6-90	2	116	18	113	3.7	107	3.4	103	4	117	116	112
DE-6-90-150-2023	DE-6-90	2	113	9	106	3.7	108	3.5	105	1	103	(117)	106
DE-6-90-156-2023	DE-6-90	2	116	26.6	115	3.7	107	3.4	103	4	118	114	112
DE-6-90-163-2023	DE-6-90	2	113	9	106	3.7	107	3.3	103	1	103	117*	106
DE-6-90-145-2023	DE-6-90	3	117	23.8	111	3.7	107	3.5	103	3.9	116	119	111
DE-6-90-157-2023	DE-6-90	3	117	31.7	115	3.8	108	3.7	105	4	118	116	113
DE-6-90-167-2023-K	DE-6-90	3	118	31.8	114	3.7	106	3.5	103	4	118	118	112
DE-6-90-170-2023-K	DE-6-90	3	118	32	115	3.7	107	3.6	103	4	118	118	113
DE-4-306-64-2023	DE-6-284	1	113		110		103		100		108	116	106
DE-4-306-68-2023	DE-6-284	1	121		115		112		108		123	118	117
DE-6-90-61-2023	DE-6-284	1	106		110		95		90		114	107	103
DE-6-90-62-2023	DE-6-284	1	105		102		100		98		110	104	103

Only one Varroa trait was recorded