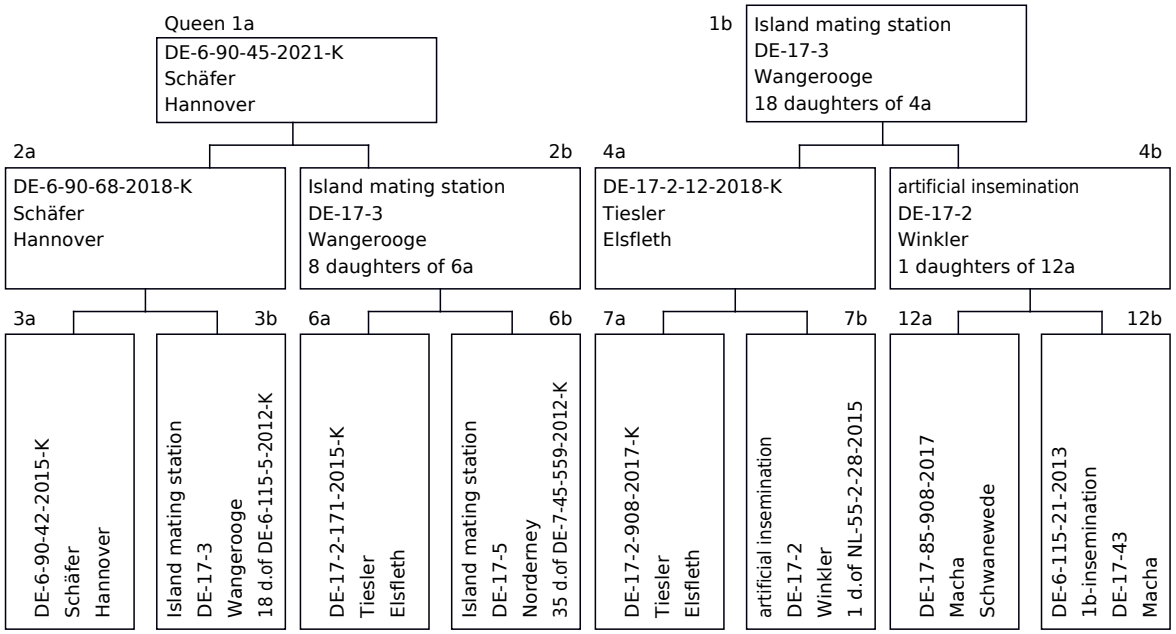
DEUTSCHER IMKERBUND E.V.

Breeding selection report
DE-6-90-45-2021-K

LANDESVERBAND HANNOVERSCHER IMKER E.V.

Tester of the queen:	Schäfer, Horst W., 30657 Hannover, DE-6-90, Apiary 2	
Breeder of the queen:	Schäfer, Horst W., 30657 Hannover, DE-6-90	
1a Studbook number:	**DE-6-90-45-2021-K**	
		Daughters of
Race line: -21	Sign: white 45	Queen: 2.8%
Generation: 10	Hatch date: 01.06.2021	Workers: 2.7%

A. Pedigree



B. Own performance

	No. of the colony 20			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
Performance test year	42.6	125	3	11	34.1

	Assessment*	Breeding values	Reliability
Total breeding value[1]	-	119	
Honey yield	-	108	0.52
Defensive behavior	3.70	119	0.6
Steadiness on comb	3.60	118	0.6
Swarming drive	4	120	0.55
Varroa	-	113	0.56
Performance index	-	119	0.52
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.

19.06.2023

For the correctness DE-6

Breeding selection report DE-6-90-45-2021-K

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Performance of the sisters

Amount of checked sisters: 16

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-6-90-27-2021-K	DE-6-90	1	118	71	107	3.9	119	3.8	114	4	117	115	115
DE-6-90-47-2021	DE-6-90	1	114	57	105	3.8	114	3.6	112	4	116	109*	114
DE-6-90-49-2021-K	DE-6-90	1	111	63.2	106	3.8	114	3.8	114	4	117	102	115
DE-6-90-50-2021	DE-6-90	1	93	0	90	1	77	1	77	1	90	(109)	81
DE-6-90-88-2021	DE-6-90	1	108	39.8	101	3	103	2.7	101	3.4	110	(109)	104
DE-6-90-45-2021-K	DE-6-90	2	119	42.6	108	3.7	119	3.6	118	4	120	113	119
DE-6-90-51-2021	DE-6-90	2	119	51.4	111	3.8	120	3.7	119	4	120	111	120
DE-6-90-55-2021	DE-6-90	2	117	40	107	3.8	120	3.7	119	3.8	119	(109)	119
DE-6-90-56-2021	DE-6-90	2	97	0	91	1	84	1	83	1	94	(109)	86
DE-6-90-75-2021	DE-6-90	2	97		(91)	1	84	1	83	1	94	(109)	86
DE-6-297-1-2021	DE-6-297	1	107		102		101		100		107	(109)	103
DE-6-297-2-2021	DE-6-297	1	110		100		108		107		111	(109)	108
DE-6-297-3-2021	DE-6-297	1	107		101		101		100		107	(109)	103
DE-6-297-4-2021	DE-6-297	1	111		97		110		110		114	(109)	109
DE-6-297-5-2021	DE-6-297	1	110		99		110		108		108	(109)	107
DE-6-297-6-2021-K	DE-6-297	1	113		104		112		110		115	(109)	112

Only one Varroa trait was recorded