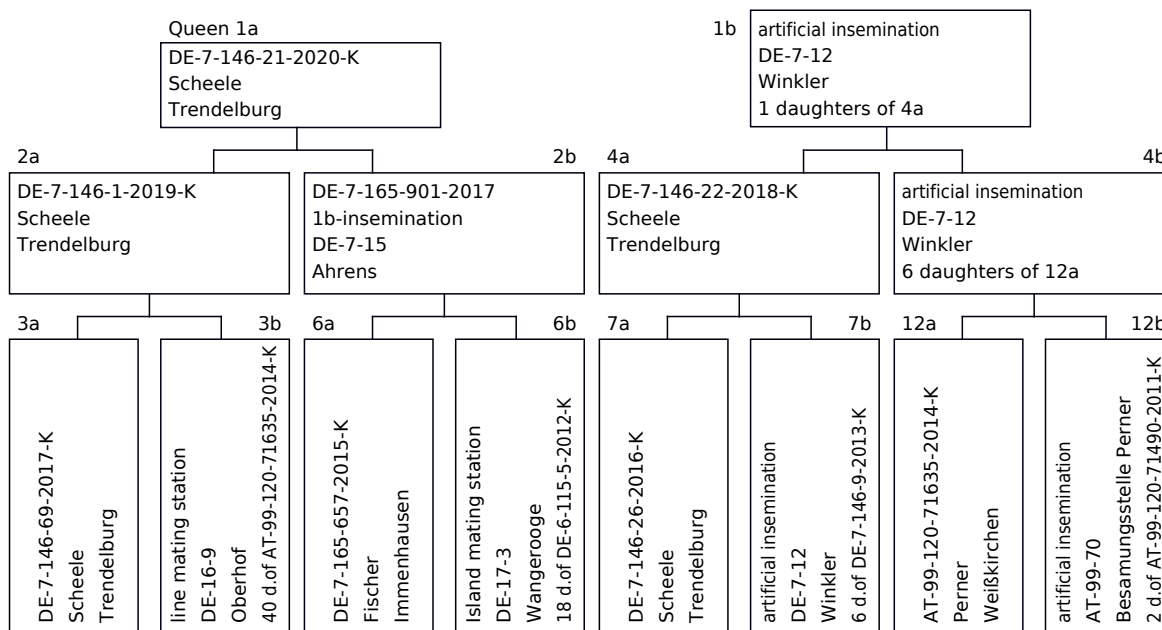


Tester of the queen: Scheele, Wolfgang, 34388 Trendelburg, DE-7-146, Apiary 1
 Breeder of the queen: Scheele, Wolfgang, 34388 Trendelburg, DE-7-146
1a Studbook number: **DE-7-146-21-2020-K**

Race line: -70 Sign: blue 78 Daughters of Queen: 1.2%
 Generation: 14 Hatch date: 01.06.2020 Workers: 4.8%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 3			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	107.8	153.8	1	13	70.1	
	Assessment*	Breeding values			Reliability	
Total breeding value¹	-	119				
Honey yield	-	116				0.4
Defensive behavior	3.80	116				0.53
Steadiness on comb	3.50	115				0.53
Swarming drive	4	116				0.35
Varroa	-	113				0.45
Performance index	-	118				0.4
Robustness in winter	4	70% 100% 170%				
Development in Spring	4					
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-7-146-21-2020-K

Page 2

Performance of the sisters

Amount of checked sisters: 4

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-7-146-21-2020-K	DE-7-146	1	119	107.8	116	3.8	116	3.5	115	4	116	113	118
DE-7-146-93-2020	DE-7-146	1	117	67.7	111	3.6	114	3.4	inspection 113	4	114	112	115
DE-7-146-11-2020	DE-7-175	1	116		112		113		113		114	111	115
DE-7-146-12-2020	DE-7-175	1	117		113		114		114		114	112	116