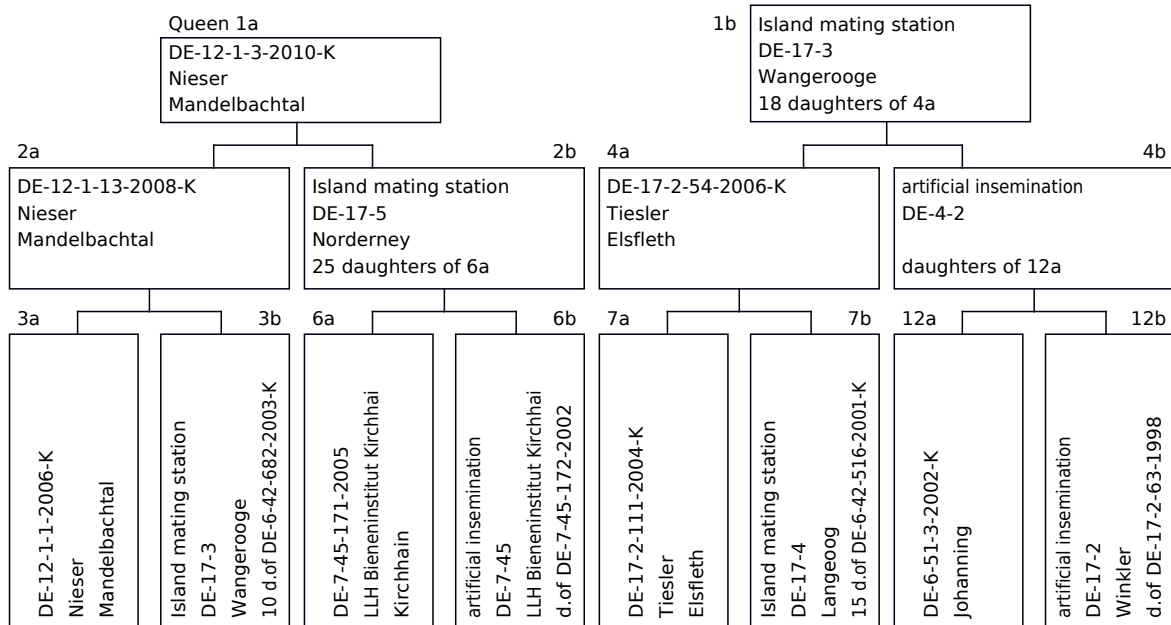


Tester of the queen: Nieser, Frank, 66399 Mandelbachtal, DE-12-1, Apiary 1
 Breeder of the queen: Nieser, Frank, 66399 Mandelbachtal, DE-12-1
1a Studbook number: **DE-12-1-3-2010-K**

Race line: -69 Sign: blue 47 Daughters of Queen: 0.2%
 Generation: 7 Hatch date: 27.05.2010 Workers: 0.3%

A. Pedigree



B. Own performance

| Performance test year | No. of the colony Volk 12 | | | comparable colonies at the apiary | |
|---|---------------------------|-----------------|---------|-----------------------------------|------------------|
| | kg | % | Ranking | number | Yield average kg |
| | 78 | 151.3 | 2 | 16 | 51.6 |
| | Assessment* | Breeding values | | | Reliability |
| Total breeding value¹ | - | 130 | | | |
| Honey yield | - | 123 | | | 0.42 |
| Defensive behavior | 3.40 | 118 | | | 0.62 |
| Steadiness on comb | 3.40 | 116 | | | 0.65 |
| Swarming drive | 4 | 120 | | | 0.42 |
| Varroa | - | 129 | | | 0.52 |
| Performance index | - | 0 | | | |
| 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

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-12-1-3-2010-K

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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 index |
|------------------|---------------------|--------|----------------------|----------|----------------------|--------------------|--------------------------|----------------------------|-------------------------|----------------|-------------------------|--------------|-------------------|
| DE-12-1-3-2010-K | DE-12-1 | 1 | 130 | 78 | 123 | 3.4 | 118 | 3.4 | 116 | 4 | 120 | 129 | |
| DE-12-1-4-2010 | DE-12-1 | 1 | 110 | 60 | 107 | 2.8 | 97 | 3 | 96 | 4 | 108 | 117 | |
| DE-12-1-5-2010 | DE-12-1 | 1 | 109 | 82 | 120 | 2.6 | 94 | 2.8 | 94 | 4 | 111 | 111 | |
| DE-12-1-6-2010 | DE-12-1 | 1 | 100 | 48 | 99 | 3 | 100 | 3 | 100 | 3 | 98 | 102 | |