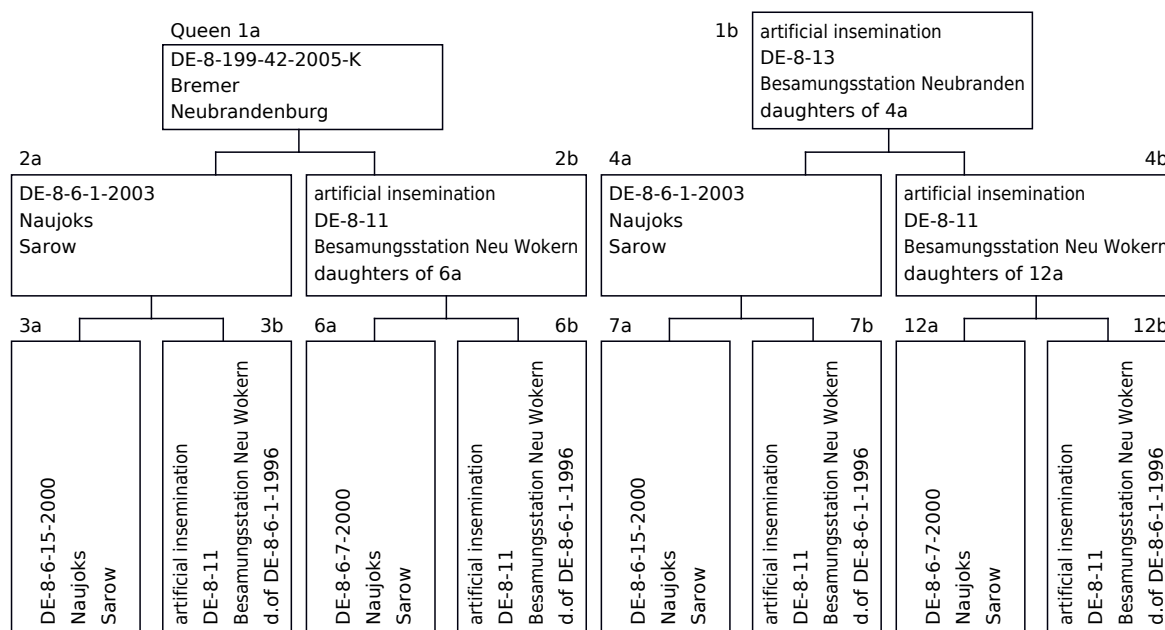


Tester of the queen: Bremer, Manfred, 17036 Neubrandenburg, DE-8-199, Apiary 1
 Breeder of the queen: Bremer, Manfred, 17036 Neubrandenburg, DE-8-199
1a Studbook number: **DE-8-199-42-2005-K**

Race line: -4 Sign: blue 42 Daughters of Queen: 27.2%
 Generation: Hatch date: 1.6.2005 Workers: 39.7%

A. Pedigree



B. Own performance

| Performance test year | No. of the colony 199 | | | comparable colonies at the apiary | |
|---|-----------------------|-----------------|---------|-----------------------------------|------------------|
| | kg | % | Ranking | number | Yield average kg |
| | 33.5 | 79.5 | 9 | 13 | 42.1 |
| | Assessment* | Breeding values | | | Reliability |
| Total breeding value¹ | - | 87 | | | |
| Honey yield | - | 118 | | | 0.41 |
| Defensive behavior | 2 | 86 | | | 0.4 |
| Steadiness on comb | 3 | 83 | | | 0.41 |
| Swarming drive | 4 | 109 | | | 0.29 |
| Varroa | - | 74 | | | 0.23 |
| Performance index | - | 99 | | | 0.41 |
| Robustness in winter | | | 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

none Analysis of race characteristics

E. Results

Class B
 Suitable for breeding.

Breeding selection report DE-8-199-42-2005-K

Page 2

Performance of the sisters

Amount of checked sisters: 14

| 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-8-199-1-2005 | DE-8-199 | 1 | 85 | 36.5 | 117 | 3 | 87 | 3 | 83 | 3 | 109 | (72) | 97 |
| DE-8-199-4-2005 | DE-8-199 | 1 | 87 | 28.5 | 116 | 4 | 92 | 3 | 86 | 4 | 109 | (72) | 101 |
| DE-8-199-12-2005-K | DE-8-199 | 1 | 86 | 36.5 | 118 | 3 | 87 | 3 | 83 | 4 | 110 | (72) | 99 |
| DE-8-199-18-2005 | DE-8-199 | 1 | 91 | 54 | 122 | 3 | 90 | 4 | 89 | 4 | 113 | 75 | 104 |
| DE-8-199-19-2005 | DE-8-199 | 1 | 89 | 54 | 122 | 3 | 90 | 4 | 89 | 4 | 113 | 72 | 104 |
| DE-8-199-20-2005 | DE-8-199 | 1 | 88 | 64 | 123 | 3 | 89 | 4 | 88 | 3 | 106 | 71 | 102 |
| DE-8-199-21-2005 | DE-8-199 | 1 | 87 | 56 | 121 | 3 | 90 | 4 | 89 | 3 | 105 | 71 | 102 |
| DE-8-199-22-2005 | DE-8-199 | 1 | 89 | 54 | 122 | 3 | 90 | 4 | 89 | 4 | 113 | 72 | 104 |
| DE-8-199-35-2005 | DE-8-199 | 1 | 86 | 34 | 117 | 3 | 87 | 3 | 83 | 4 | 110 | 72 | 99 |
| DE-8-199-38-2005 | DE-8-199 | 1 | 82 | 33 | 116 | 3 | 88 | 3 | 83 | 3 | 101 | 68 | 96 |
| DE-8-199-39-2005 | DE-8-199 | 1 | 85 | 31 | 116 | 3 | 88 | 3 | 83 | 3 | 101 | 74 | 96 |
| DE-8-199-42-2005-K | DE-8-199 | 1 | 87 | 33.5 | 118 | 2 | 86 | 3 | 83 | 4 | 109 | 74 | 99 |
| DE-8-199-43-2005 | DE-8-199 | 1 | 84 | 32.5 | 116 | 3 | 88 | 3 | 83 | 3 | 101 | 71 | 96 |