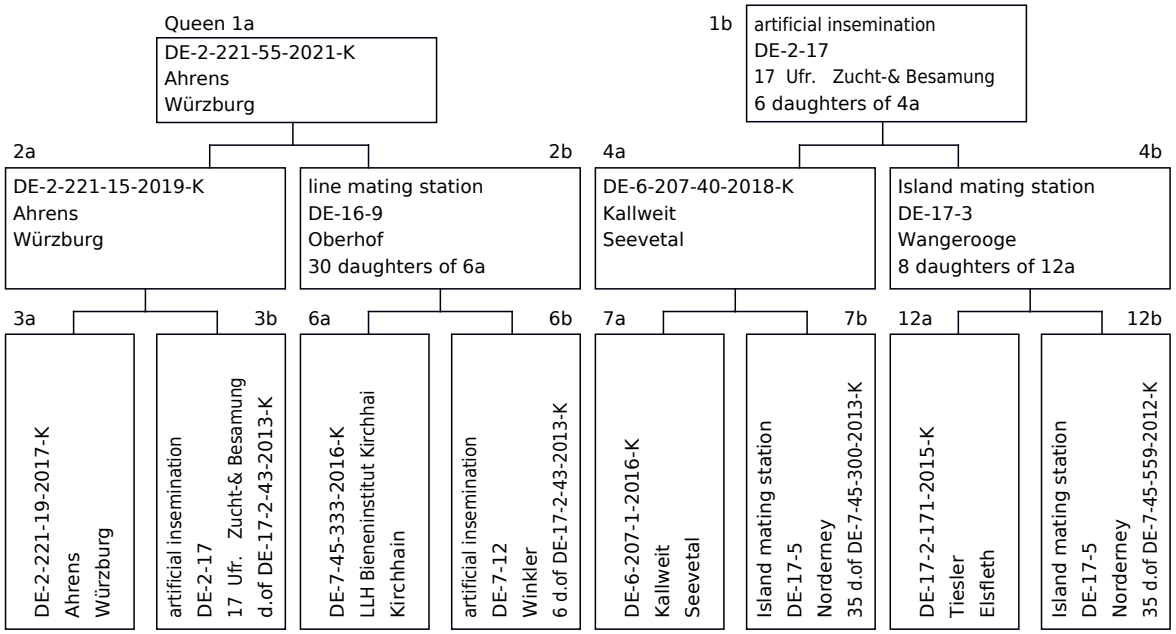
DEUTSCHER IMKERBUND E.V.

# Breeding selection report
# DE-2-221-55-2021-K

LVBI

| | | |
|---|---|---|
| Tester of the queen: | Ahrens, Dirk, 97074 Würzburg, DE-2-221, Apiary 1 | |
| Breeder of the queen: | Ahrens, Dirk, 97074 Würzburg, DE-2-221 | |
| **1a** Studbook number: | **DE-2-221-55-2021-K** | |
| | | Daughters of |
| Race line: -70 | Sign: white 18 | Queen: 7.0% |
| Generation: 11 | Hatch date: 25.05.2021 | Workers: 2.6% |

## A. Pedigree




## B. Own performance

| | No. of the colony 15 | | | comparable colonies at the apiary | |
|---|---|---|---|---|---|
| | kg | % | Ranking | number | Yield average kg |
| Performance test year | 71.8 | 140 | 1 | 15 | 51.3 |

| | Assessment* | Breeding values | Reliability |
|---|---|---|---|
| **Total breeding value[1]** | - | 120 | |
| Honey yield | - | 114 | 0.45 |
| Defensive behavior | 3.40 | 120 | 0.54 |
| Steadiness on comb | 3.30 | 116 | 0.54 |
| Swarming drive | 4 | 119 | 0.49 |
| Varroa | - | 114 | 0.51 |
| Performance index | - | 120 | 0.45 |
| Robustness in winter | 3 | | |
| Development in Spring | 3 | | |
| Colony strength | 4 | | |

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.

21.04.2023

For the correctness DE-2

# Breeding selection report DE-2-221-55-2021-K

## Page 2

## Performance of the sisters

Amount of checked sisters: 11

| 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-2-221-43-2021 | DE-2-221 | 1 | 118 | 38.7 | 107 | 3 | 116 | 3.3 | 114 | 2.5 | 109 | 118 | 113 |
| DE-2-221-46-2021 | DE-2-221 | 1 | 113 | 51.2 | 105 | 3.3 | 115 | 2.8 | 110 | 1 | 99 | 115 | 108 |
| DE-2-221-47-2021 | DE-2-221 | 1 | 111 | 39.1 | 104 | 3.1 | 115 | 2.9 | 111 | 2.5 | 108 | 106 | 111 |
| DE-2-221-55-2021-K | DE-2-221 | 1 | 120 | 71.8 | 114 | 3.4 | 120 | 3.3 | 116 | 4 | 119 | 114 | 120 |
| DE-2-221-42-2021-K | DE-2-221 | 2 | 117 | 63.8 | 112 | 3.5 | 118 | 3.4 | 115 | 2.5 | 110 | 112 | 116 |
| DE-2-221-50-2021 | DE-2-221 | 2 | 117 | 27.2 | 104 | 3.8 | 123 | 3.3 | 117 | 4 | 120 | 109 | 118 |
| DE-2-221-38-2021-K | DE-2-723 | 1 | 116 |  | 109 |  | 120 |  | 115 |  | 112 | 110 | 116 |
| DE-2-221-45-2021-K | DE-2-723 | 1 | 115 |  | 103 |  | 121 |  | 116 |  | 111 | 110 | 115 |
| DE-2-221-41-2021 | DE-7-194 | 2 | 118 |  | 112 |  | 121 |  | 119 |  | 113 | 111 | 118 |
| DE-2-221-44-2021 | DE-7-194 | 2 | 116 |  | 105 |  | 119 |  | 116 |  | 111 | 111 | 115 |
| DE-2-221-52-2021 | DE-19-183 | 2 | 104 |  | 96 |  | 109 |  | 105 |  | 98 | (104) | 103 |