



Report Date: 8/7/20

QUEEN QUALITY REPORT

Client: TD

Date Received: 8/6/20

Date Processed: 8/6/20

Num. of Queens: 16

Num. of Groups: 4

Queen morphometrics:

A	Weight (mg)	Head Width (mm)	Thorax Width (mm)
Average	215.9 ± 4	3.78 ± 0.02	4.9 ± 0.04
Max	236.8	3.99	5.17
Min	189.8	3.64	4.47
%Global	71.1%	61.4%	69.8%

Insemination quality:

A	Total Sperm (x10 ⁶)	Sperm Viability	Spermatheca % Filled
Average	6.9 ± 0.5	88.4 ± 0.8%	65.4 ± 5%
Max	10.24	94.2	96.7
Min	3.57	79.2	30.7
%Global	70.7%	63.8%	66.8%

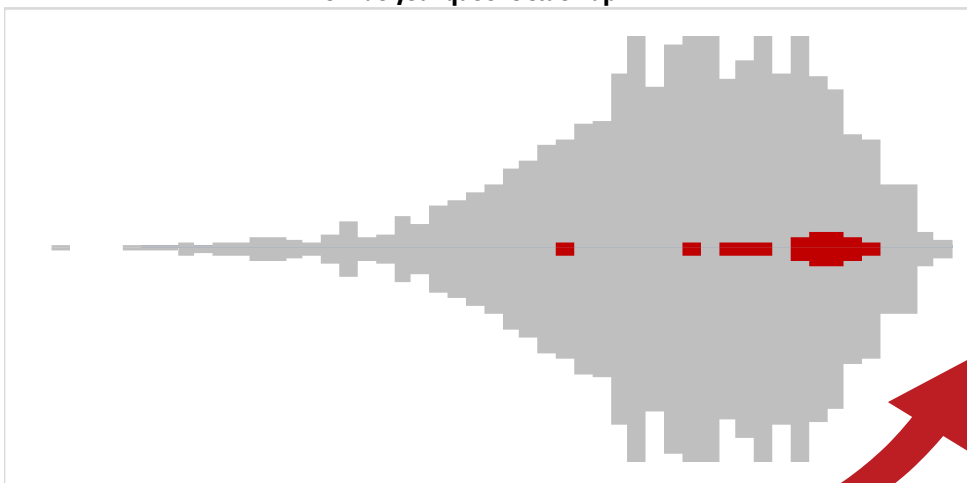
OVERALL ASSESSMENT



Comments:

Large queens are an indication of strong and well-fed cell builders. These queens appear to have been raised in very good cell builders. The total number of stored sperm is very high. The sperm stored in the spermathecae of these queens is of high viability, meaning that a sufficiently high percentage of the sperm was still alive at the time of processing.

How do your queens stack up?



Increasing Queen Quality

Key:

Your Queens

Global Queens

This histogram shows the overall scores for all the queens in our database with your queens in red for reference. Placement and spread are important indicators of quality and



919.513.3967 | go.ncsu.edu/queenclinic | honeybeequeenclinic@ncsu.edu

[illegible]



Individual Queens:

#	QC	Queen	Group	Weight (mg)	Head Width (mm)	Thorax Width (mm)	Total Sperm (x10 ⁶)	% Sperm Viability	% Filled	Overall Score
1	QC 1761	1	A	197.7	3.68	4.81	7.38	85.8%	92.3%	75.0%
2	QC 1762	2	A	215.9	3.79	4.83	3.57	94.2%	30.7%	89.0%
3	QC 1763	3	A	195.7	3.64	4.76	5.88	88.2%	69.4%	77.1%
4	QC 1764	4	B	219.8	3.83	5.01	9.47	90.1%	88.4%	87.4%
5	QC 1765	5	A	190.6	3.70	4.47	3.63	79.2%	36.1%	57.6%
6	QC 1766	6	B	232.7	3.99	5.17	7.60	89.3%	71.9%	86.0%
7	QC 1767	7	D	218.3	3.89	4.85	7.09	89.1%	61.0%	84.4%
8	QC 1768	8	D	230.3	3.68	4.98	4.83	86.5%	43.8%	79.1%
9	QC 1769	9	D	226.2	3.84	5.03	6.50	88.3%	53.1%	83.5%
10	QC 1770	10	A	223.6	3.76	4.87	8.78	89.3%	75.5%	85.9%
11	QC 1771	11	D	231.5	3.82	5.02	6.11	87.4%	64.3%	81.8%
12	QC 1772	12	D	236.8	3.93	5.10	10.24	91.5%	96.7%	90.4%
13	QC 1773	13	C	189.8	3.75	4.74	5.31	86.5%	52.1%	72.1%
14	QC 1774	14	C	209.9	3.68	5.01	6.60	90.5%	52.6%	85.6%
15	QC 1775	15	B	203.0	3.78	4.85	9.38	90.4%	89.7%	85.1%
16	QC 1776	16	D	233.1	3.76	4.83	7.99	88.7%	69.6%	84.8%
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
32										
33										
34										
35										
36										
37										
38										
39										
40										