



Report Date: 7/20/20

QUEEN QUALITY REPORT

Client: Comfort

Date Received: 7/15/20

Date Processed: 7/15/20

Num. of Queens: 34

Num. of Groups: 4

Queen morphometrics:

B	Weight (mg)	Head Width (mm)	Thorax Width (mm)
Average	194.6 ± 3.3	3.75 ± 0.02	4.81 ± 0.03
Max	236.6	3.94	5.11
Min	156.4	3.47	4.42
%Global	38.1%	54.7%	58.6%

Insemination quality:

B	Total Sperm (x10 ⁶)	Sperm Viability	Spermatheca % Filled
Average	5.55 ± 0.23	79.9 ± 1.4%	57.2 ± 1.8%
Max	8.56	93.7	78
Min	3.06	58.6	32.6
%Global	53.7%	39.9%	56.3%

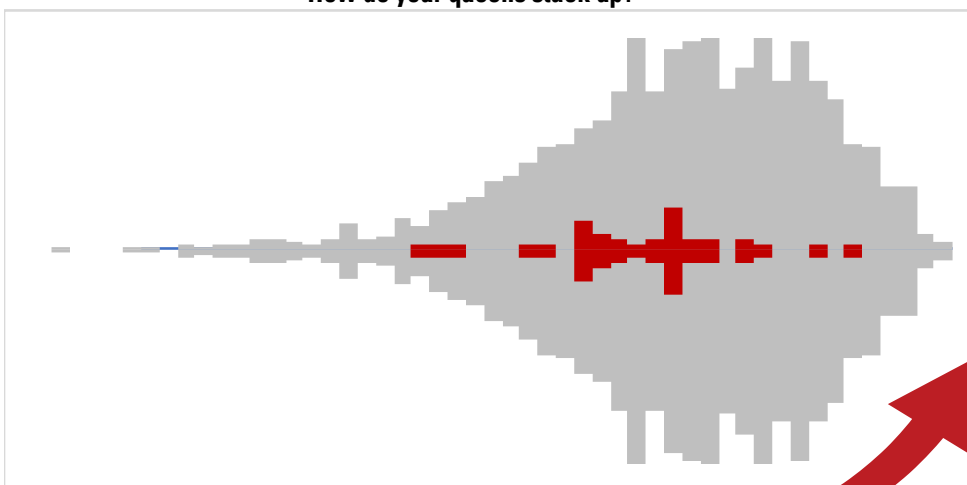
OVERALL ASSESSMENT



Comments:

Large queens are an indication of strong and well-fed cell builders. These queens appear to have been raised i good cell builders The total number of stored sperm is very high. The sperm stored in the spermathecae of these queens is of moderate viability 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



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[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 1687	26	C	172.2	3.52	4.58	3.06	83.0%	32.6%	54.5%
2	QC 1688	6	B	181.8	3.64	4.69	5.34	86.8%	56.0%	68.8%
3	QC 1689	27	B	205.8	3.85	4.84	5.71	93.7%	48.6%	89.1%
4	QC 1690	29	C	233.1	3.67	5.06	5.85	78.9%	69.8%	70.5%
5	QC 1691	25	B	174.1	3.68	4.68	5.24	79.3%	56.6%	56.2%
6	QC 1692	2	B	207.0	3.87	4.97	7.70	79.1%	69.5%	69.7%
7	QC 1693	32	C	197.3	3.89	4.87	7.75	83.1%	65.5%	71.6%
8	QC 1694	19	B	192.2	3.70	4.72	4.41	82.6%	54.2%	66.2%
9	QC 1695	22	A	236.6	3.70	5.01	6.11	84.2%	69.3%	76.7%
10	QC 1696	11	B	171.9	3.75	4.67	4.58	83.9%	62.1%	60.1%
11	QC 1697	1	B	195.3	3.94	4.97	4.76	66.1%	45.1%	60.3%
12	QC 1698	7	A	220.1	3.83	4.86	8.56	80.1%	68.8%	72.5%
13	QC 1699	4	A	181.9	3.62	4.83	4.59	80.1%	40.3%	59.8%
14	QC 1700	5	D	199.3	3.74	4.85	5.24	71.7%	56.6%	62.5%
15	QC 1701	31	A	203.3	3.79	4.89	5.38	71.0%	60.5%	63.6%
16	QC 1702	28	C	209.6	3.86	4.78	5.68	58.6%	52.9%	63.9%
17	QC 1703	12	C	211.3	3.75	4.55	3.88	66.2%	45.0%	60.5%
18	QC 1704	24	A	168.2	3.66	4.66	7.05	84.4%	78.0%	61.1%
19	QC 1705	17	B	200.4	3.73	4.85	6.14	67.9%	63.6%	62.7%
20	QC 1706	30	A	212.7	3.84	4.80	4.88	80.9%	52.2%	70.4%
21	QC 1707	15	C	208.2	3.82	5.01	7.73	84.7%	64.9%	76.4%
22	QC 1708	34	A	194.3	3.77	4.97	6.48	89.1%	57.7%	79.3%
23	QC 1709	9	C	166.7	3.70	4.42	3.51	69.5%	39.9%	43.3%
24	QC 1710	16	C	161.0	3.65	4.44	5.24	73.9%	57.1%	44.9%
25	QC 1711	13	B	196.2	3.69	4.81	5.22	81.4%	55.8%	67.3%
26	QC 1712	10	B	189.2	3.47	4.43	4.78	88.7%	71.3%	68.1%
27	QC 1713	21	B	208.2	3.88	5.11	7.52	82.8%	60.7%	73.8%
28	QC 1714	8	A	193.9	3.79	4.80	5.51	76.4%	47.1%	62.8%
29	QC 1715	3	A	189.3	3.79	4.89	6.28	84.5%	66.0%	70.0%
30	QC 1716	14	A	205.9	3.81	5.05	4.37	83.3%	51.0%	71.9%
31	QC 1717	18	C	195.0	3.86	5.01	4.80	83.2%	55.8%	69.2%
32	QC 1718	33	C	202.7	3.78	5.05	6.00	91.1%	55.9%	84.9%
33	QC 1719	23	C	175.4	3.74	4.71	6.26	88.6%	69.8%	70.4%
34	QC 1720	20	A	156.4	3.62	4.63	3.27	76.6%	45.5%	46.5%
35										
36										
37										
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40										