

Table 4: Least Square Estimates of the Treatments.

Least Squares Means											
Effect	Temperature	Water	Oil	Estimate	Standard	DF	t Value	Pr > t	Alpha	Lower	Upper
					Error						
Temperature	20			1485.63	6.635	8	223.91	<.0001	0.05	1470.32	1500.93
Temperature	45			1330.5	6.635	8	200.53	<.0001	0.05	1315.2	1345.8
Water		960		1352.13	6.635	8	203.79	<.0001	0.05	1336.82	1367.43
Water		1120		1464	6.635	8	220.65	<.0001	0.05	1448.7	1479.3
Oil			0	1425.13	6.635	8	214.79	<.0001	0.05	1409.82	1440.43
Oil			15	1391	6.635	8	209.65	<.0001	0.05	1375.7	1406.3
Temperature*Water	20	960		1459.25	9.3833	8	155.52	<.0001	0.05	1437.61	1480.89
Temperature*Water	20	1120		1512	9.3833	8	161.14	<.0001	0.05	1490.36	1533.64
Temperature*Water	45	960		1245	9.3833	8	132.68	<.0001	0.05	1223.36	1266.64
Temperature*Water	45	1120		1416	9.3833	8	150.91	<.0001	0.05	1394.36	1437.64
Temperature*Oil	20		0	1516.25	9.3833	8	161.59	<.0001	0.05	1494.61	1537.89

Temperature*Oil	20		15	1455	9.3833	8	155.06	<.0001	0.05	1433.36	1476.64
Temperature*Oil	45		0	1334	9.3833	8	142.17	<.0001	0.05	1312.36	1355.64
Temperature*Oil	45		15	1327	9.3833	8	141.42	<.0001	0.05	1305.36	1348.64
Water*Oil		960	0	1354	9.3833	8	144.3	<.0001	0.05	1332.36	1375.64
Water*Oil		960	15	1350.25	9.3833	8	143.9	<.0001	0.05	1328.61	1371.89
Water*Oil		1120	0	1496.25	9.3833	8	159.46	<.0001	0.05	1474.61	1517.89
Water*Oil		1120	15	1431.75	9.3833	8	152.58	<.0001	0.05	1410.11	1453.39
Temperatur*Water*Oil	20	960	0	1478	13.27	8	111.38	<.0001	0.05	1447.4	1508.6
Temperatur*Water*Oil	20	960	15	1440.5	13.27	8	108.55	<.0001	0.05	1409.9	1471.1
Temperatur*Water*Oil	20	1120	0	1554.5	13.27	8	117.14	<.0001	0.05	1523.9	1585.1
Temperatur*Water*Oil	20	1120	15	1469.5	13.27	8	110.74	<.0001	0.05	1438.9	1500.1

Temperatur*Water*Oil	45	960	0	1230	13.27	8	92.69	<.0001	0.05	1199.4	1260.6
Temperatur*Water*Oil	45	960	15	1260	13.27	8	94.95	<.0001	0.05	1229.4	1290.6
Temperatur*Water*Oil	45	1120	0	1438	13.27	8	108.36	<.0001	0.05	1407.4	1468.6
Temperatur*Water*Oil	45	1120	15	1394	13.27	8	105.05	<.0001	0.05	1363.4	1424.6

Table 5: Tukey Adjusted Treatment Means Comparisons.

Effect	Temperature	Water	Oil	_Temperature	_Water	_Oil	Estimate	Standard	Adjustment	Adj P
								Error		
Temperature	20			45			155.13	9.3833	Tukey	<.0001
Water		960			1120		-111.88	9.3833	Tukey	<.0001
Oil			0			15	34.125	9.3833	Tukey	0.0066
Temperature*Water	20	960		20	1120		-52.75	13.27	Tukey	0.0172
Temperature*Water	20	960		45	960		214.25	13.27	Tukey	<.0001

Temperature*Water	20	960		45	1120		43.25	13.27	Tukey	0.0462
Temperature*Water	20	1120		45	960		267	13.27	Tukey	<.0001
Temperature*Water	20	1120		45	1120		96	13.27	Tukey	0.0004
Temperature*Water	45	960		45	1120		-171	13.27	Tukey	<.0001
Temperature*Oil	20		0	20		15	61.25	13.27	Tukey	0.0075
Temperature*Oil	20		0	45		0	182.25	13.27	Tukey	<.0001
Temperature*Oil	20		0	45		15	189.25	13.27	Tukey	<.0001
Temperature*Oil	20		15	45		0	121	13.27	Tukey	<.0001
Temperature*Oil	20		15	45		15	128	13.27	Tukey	<.0001
Temperature*Oil	45		0	45		15	7	13.27	Tukey	0.95

Water*Oil		960	0		960	15	3.75	13.27	Tukey	0.9915
Water*Oil		960	0		1120	0	-142.25	13.27	Tukey	<.0001
Water*Oil		960	0		1120	15	-77.75	13.27	Tukey	0.0017
Water*Oil		960	15		1120	0	-146	13.27	Tukey	<.0001
Water*Oil		960	15		1120	15	-81.5	13.27	Tukey	0.0012
Water*Oil		1120	0		1120	15	64.5	13.27	Tukey	0.0055
Temperatur*Water*Oil	20	960	0	20	960	15	37.5	18.7667	Tukey	0.5332
Temperatur*Water*Oil	20	960	0	20	1120	0	-76.5	18.7667	Tukey	0.043
Temperatur*Water*Oil	20	960	0	20	1120	15	8.5	18.7667	Tukey	0.9996
Temperatur*Water*Oil	20	960	0	45	960	0	248	18.7667	Tukey	<.0001
Temperatur*Water*Oil	20	960	0	45	960	15	218	18.7667	Tukey	<.0001
Temperatur*Water*Oil	20	960	0	45	1120	0	40	18.7667	Tukey	0.4674

Temperatur*Water*Oil	20	960	0	45	1120	15	84	18.7667	Tukey	0.0262
Temperatur*Water*Oil	20	960	15	20	1120	0	-114	18.7667	Tukey	0.0042
Temperatur*Water*Oil	20	960	15	20	1120	15	-29	18.7667	Tukey	0.7682
Temperatur*Water*Oil	20	960	15	45	960	0	210.5	18.7667	Tukey	<.0001
Temperatur*Water*Oil	20	960	15	45	960	15	180.5	18.7667	Tukey	0.0002
Temperatur*Water*Oil	20	960	15	45	1120	0	2.5	18.7667	Tukey	1
Temperatur*Water*Oil	20	960	15	45	1120	15	46.5	18.7667	Tukey	0.3198
Temperatur*Water*Oil	20	1120	0	20	1120	15	85	18.7667	Tukey	0.0245
Temperatur*Water*Oil	20	1120	0	45	960	0	324.5	18.7667	Tukey	<.0001
Temperatur*Water*Oil	20	1120	0	45	960	15	294.5	18.7667	Tukey	<.0001

Temperatur*Water*Oil	20	1120	0	45	1120	0	116.5	18.7667	Tukey	0.0036
Temperatur*Water*Oil	20	1120	0	45	1120	15	160.5	18.7667	Tukey	0.0004
Temperatur*Water*Oil	20	1120	15	45	960	0	239.5	18.7667	Tukey	<.0001
Temperatur*Water*Oil	20	1120	15	45	960	15	209.5	18.7667	Tukey	<.0001
Temperatur*Water*Oil	20	1120	15	45	1120	0	31.5	18.7667	Tukey	0.7005
Temperatur*Water*Oil	20	1120	15	45	1120	15	75.5	18.7667	Tukey	0.046
Temperatur*Water*Oil	45	960	0	45	960	15	-30	18.7667	Tukey	0.7416
Temperatur*Water*Oil	45	960	0	45	1120	0	-208	18.7667	Tukey	<.0001
Temperatur*Water*Oil	45	960	0	45	1120	15	-164	18.7667	Tukey	0.0003
Temperatur*Water*Oil	45	960	15	45	1120	0	-178	18.7667	Tukey	0.0002

Temperatur*Water*Oil	45	960	15	45	1120	15	-134	18.7667	Tukey	0.0014
Temperatur*Water*Oil	45	1120	0	45	1120	15	44	18.7667	Tukey	0.372