

ANALYSIS OF OIL PALM YIELD INCREMENT BY USING BPN 2010-2017 AT SIX DIFFERENT LOCATIONS

LOCATION : 1 (Type of Palm: Chemera)

Year	Harvesting Year	Crop	Location	Acreage (Acre)	Owner	Yearly Yield (Tonne)	Ton/Hec/Year (Tonne)	Yield Increment Ton/Hec/Year	% Increase	Start Using BPN	Remarks	Rainfall/ Year (mm)
2010	3	Palm	Tenom, Sabah	531.00	Mr. Ang H M	5097.60	23.72	0.00	0.0	No	100% NPK	1787.71
2011	4	Palm	Tenom, Sabah	531.00	Mr. Ang H M	7009.20	32.62	8.90	37.5	Yes	50% BPN , 50% NPK	1485.72
2012	5	Palm	Tenom, Sabah	531.00	Mr. Ang H M	7901.28	36.77	4.15	12.7	Yes	100% BPN	1465.58
2013	6	Palm	Tenom, Sabah	531.00	Mr. Ang H M	9430.56	43.89	7.12	19.4	Yes	100% BPN	1253.73
2014	7	Palm	Tenom, Sabah	531.00	Mr. Ang H M	9366.84	43.59	-0.30	-0.7	Yes	100% BPN	1139.81
2015	8	Palm	Tenom, Sabah	531.00	Mr. Ang H M	9895.72	46.05	2.46	5.6	Yes	100% BPN	2190.27
2016	9	Palm	Tenom, Sabah	531.00	Mr. Ang H M	9347.72	43.50	-2.55	-5.5	Yes	100% BPN	1958.24
2017	10	Palm	Tenom, Sabah	531.00	Mr. Ang H M	10577.52	49.22	5.72	13.2	Yes	100% BPN	2451.03
2018	11	Palm	Tenom, Sabah	531.00	Mr. Ang H M	9648.31	44.90	-4.32	-0.88	Yes	100% BPN	2413.14
2019	12	Palm	Tenom, Sabah	531.00	Mr. Ang H M	9840	45.80	0.90	0.2	Yes	100% BPN	3763.8

214.89

LOCATION : 2 (Type of Palm: Chemera)

Year	Harvesting Year	Crop	Location	Acreage (Acre)	Owner	Yearly Yield (Tonne)	Ton/Hec/Year (Tonne)	Yield Increment Ton/Hec/Year	% Increase	Start Using BPN	Remarks	Rainfall/ Year (mm)
2012	5	Palm	N.Tebal, PP	6.00	Mr. Lim H K	72.00	29.63	0.00	0.0	No	100% NPK	1421.45
2013	6	Palm	N.Tebal, PP	6.00	Mr. Lim H K	118.80	48.89	19.26	65.0	Yes	100% BPN	1125.78
2014	7	Palm	N.Tebal, PP	6.00	Mr. Lim H K	117.36	48.30	-0.59	-1.2	Yes	100% BPN	1011.16
2015	8	Palm	N.Tebal, PP	6.00	Mr. Lim H K	120.24	49.48	1.19	2.5	Yes	100% BPN	472.6
2016	9	Palm	N.Tebal, PP	6.00	Mr. Lim H K	119.52	49.19	-0.30	-0.6	Yes	100% BPN	336.49
2017	10	Palm	N.Tebal, PP	6.00	Mr. Lim H K	121.68	50.07	0.89	1.8	Yes	100% BPN	556.75
2018	11	Palm	N.Tebal, PP	6.00	Mr. Lim H K	124.61	51.27	1.20	0.24	Yes	100% BPN	1047.84
2019	12	Palm	N.Tebal, PP	6.00	Mr. Lim H K	123.36	50.77	-0.50	-0.01	Yes	100% BPN	1839.7

2.43

LOCATION : 3 (Type of Palm: Chemera)

Year	Harvesting Year	Crop	Location	Acreage (Acre)	Owner	Yearly Yield (Tonne)	Ton/Hec/Year (Tonne)	Yield Increment Ton/Hec/Year	% Increase	Start Using BPN	Remarks	Rainfall/ Year (mm)
2012	4	Palm	Sg.Baong, PP	263.00	Mr. Gan H S	2051.40	19.27	0.00	0.0	No	100% NPK (G.Area)	1421.45
2013	5	Palm	Sg.Baong, PP	263.00	Mr. Gan H S	3345.36	31.43	12.16	63.1	Yes	100% BPN	1125.78
2014	6	Palm	Sg.Baong, PP	263.00	Mr. Gan H S	3250.68	30.54	-0.89	-2.8	Yes	100% BPN	1011.16
2015	7	Palm	Sg.Baong, PP	263.00	Mr. Gan H S	3156.00	29.65	-0.89	-2.9	Yes	100% BPN	472.6
2016	8	Palm	Sg.Baong, PP	263.00	Mr. Gan H S	3329.58	31.28	1.63	5.5	Yes	100% BPN	336.49
2017	9	Palm	Sg.Baong, PP	263.00	Mr. Gan H S	3376.92	31.73	0.44	1.4	Yes	100% BPN	556.75
2018	10	Palm	Sg.Baong, PP	263.00	Mr. Gan H S	3350.71	31.48	-0.25	-0.01	Yes	100% BPN	1047.84
2019	11	Palm	Sg.Baong, PP	263.00	Mr. Gan H S	3374.91	31.71	0.23	0.73	Yes	100% BPN	1839.7

106.43

LOCATION : 4 (Type of Palm: Chemera)

Year	Harvesting Year	Crop	Location	Acreage (Acre)	Owner	Yearly Yield (Tonne)	Ton/Hec/Year (Tonne)	Yield Increment Ton/Hec/Year	% Increase	Start Using BPN	Remarks	Rainfall/ Year (mm)
2012	5	Palm	Sg.Duri, PP	15.00	Mr. Sonn K C	198.00	32.62	0.00	0.0	No	100% NPK (G.Area)	1421.45
2013	6	Palm	Sg.Duri, PP	15.00	Mr. Sonn K C	257.40	42.41	9.79	30.0	Yes	100% BPN	1125.78
2014	7	Palm	Sg.Duri, PP	15.00	Mr. Sonn K C	266.40	43.89	1.48	3.5	Yes	100% BPN	1011.16
2015	8	Palm	Sg.Duri, PP	15.00	Mr. Sonn K C	271.98	44.81	0.92	2.1	Yes	100% BPN	472.6
2016	9	Palm	Sg.Duri, PP	15.00	Mr. Sonn K C	268.20	44.18	-0.62	-1.4	Yes	100% BPN	336.49
2017	10	Palm	Sg.Duri, PP	15.00	Mr. Sonn K C	269.64	44.42	0.24	0.5	Yes	100% BPN	556.75
2018	11	Palm	Sg.Duri, PP	15.00	Mr. Sonn K C	268.34	44.21	-0.21	-0.01	Yes	100% BPN	1047.84
2019	12	Palm	Sg.Duri, PP	15.00	Mr. Sonn K C	267.42	44.05	-0.16	-0.01	Yes	100% BPN	1839.7

6.07

LOCATION : 5 (Type of Palm: Chemera)

Year	Harvesting Year	Crop	Location	Acreage (Acre)	Owner	Yearly Yield (Tonne)	Ton/Hec/Year (Tonne)	Yield Increment Ton/Hec/Year	% Increase	Start Using BPN	Remarks	Rainfall/ Year (mm)
2012	6	Palm	Taiping, Perak	302.00	Mr. Sin L C	2899.20	23.72	0.00	0.0	No	100% NPK (G.Area)	1203.12
2013	7	Palm	Taiping, Perak	302.00	Mr. Sin L C	3624.00	29.65	5.93	25.0	Yes	100% BPN	1008.48
2014	8	Palm	Taiping, Perak	302.00	Mr. Sin L C	3479.04	28.47	-1.19	-4.0	Yes	100% BPN	962.67
2015	9	Palm	Taiping, Perak	302.00	Mr. Sin L C	3515.28	28.76	0.30	1.0	Yes	100% BPN	469.3
2016	10	Palm	Taiping, Perak	302.00	Mr. Sin L C	3732.72	30.54	1.78	6.2	Yes	100% BPN	325.44
2017	11	Palm	Taiping, Perak	302.00	Mr. Sin L C	3939.97	32.24	1.70	5.6	Yes	100% BPN	449.09
2018	12	Palm	Taiping, Perak	302.00	Mr. Sin L C	3845.31	31.36	-0.78	-0.03	Yes	100% BPN	3346.95
2019	13	Palm	Taiping, Perak	302.00	Mr. Sin L C	3964.72	32.44	0.98	0.03	Yes	100% BPN	5876.1

122.22

LOCATION : 6 (Type of Palm: Chemera)

Year	Harvesting Year	Crop	Location	Acreage (Acre)	Owner	Yearly Yield (Tonne)	Ton/Hec/Year (Tonne)	Yield Increment Ton/Hec/Year	% Increase	Start Using BPN	Remarks	Rainfall/ Year (mm)
2011	4	Palm	Gurun, Kedah	2400.00	Sg. Baong Estate	24336.00	25.06	0.00	0.0	No	100% NPK (G.Area)	1322.72
2012	5	Palm	Gurun, Kedah	2400.00	Sg. Baong Estate	29376.00	30.24	5.19	20.7	Yes	100% BPN	1258.82
2013	6	Palm	Gurun, Kedah	2400.00	Sg. Baong Estate	34560.00	35.58	5.34	17.6	Yes	100% BPN	937.08
2014	7	Palm	Gurun, Kedah	2400.00	Sg. Baong Estate	33984.00	34.99	-0.59	-1.7	Yes	100% BPN	908.68
2015	8	Palm	Gurun, Kedah	2400.00	Sg. Baong Estate	34646.40	35.67	0.68	1.9	Yes	100% BPN	773.86
2016	9	Palm	Gurun, Kedah	2400.00	Sg. Baong Estate	53856.00	55.45	19.78	55.4	Yes	100% BPN	569.28
2017	10	Palm	Gurun, Kedah	2400.00	Sg. Baong Estate	34607.52	35.63	-19.82	-35.7	Yes	100% BPN	954.97
2018	11	Palm	Gurun, Kedah	2400.00	Sg. Baong Estate	35608.32	36.66	1.03	0.03	Yes	100% BPN	2039.75
2019	12	Palm	Gurun, Kedah	2400.00	Sg. Baong Estate	34721.31	35.75	-0.91	-0.02	Yes	100% BPN	2878.6

971.27