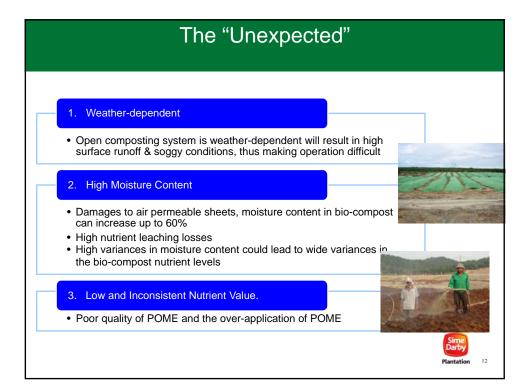
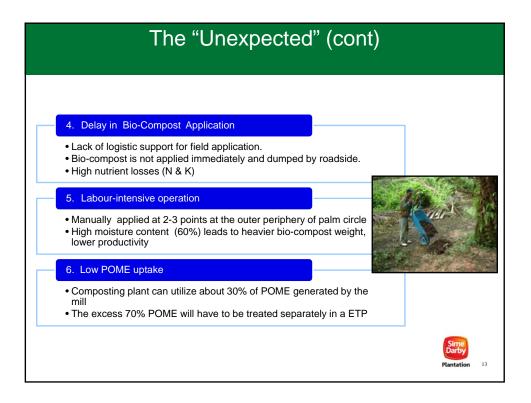
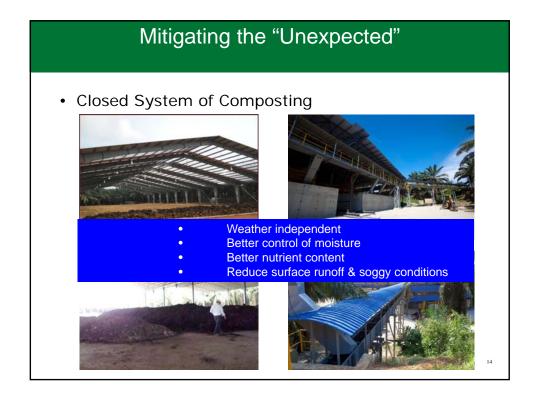


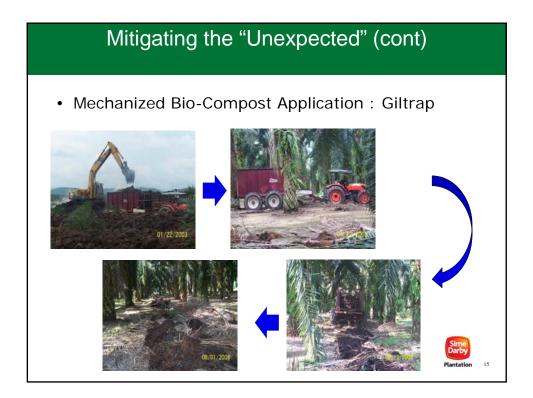
Expected Bio-Compost Quality							
comply the follo	 Product quality is a fundamental requirement, the concessioners have to comply the following obligations: Nutrient Value : 						
Nutrient level(%)	Ν	P_2O_5	K ₂ O	MgO	Aggregate		
GNV(%)	1.8	0.5	3.4	0.8	6.5		
MANV(%)	1.6	NA	3.0	NA	NA		
CN ratio : < 30 Product form n	 Moisture Content : < 50% CN ratio : < 30 Product form not meeting the specified criteria- fibrous form will be rejected for reprocessing 						

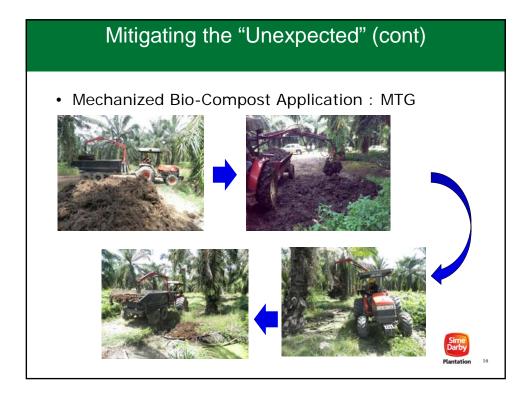
		Fertiliser Ec	FERTILISER VALUE PER TONNE OF BIO-COMPOST Fertiliser Equivalent				
Nutrient	Fertiliser	Quantity (Kg)	Value (RM)	Value (USD)			
N	Ammonium Sulphate	42.0	38.60	12.50			
P205	Rock Phosphate	8.9	5.80	1.90			
K ₂ O	МОР	28.3	48.10	15.50			
MgO	Kieserite	15.4	12.50	4.00			
Total			105.00	33.90			

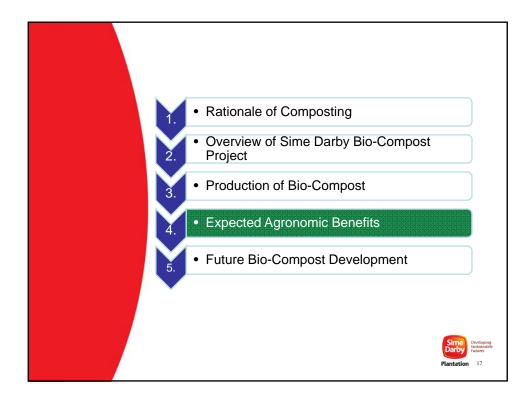


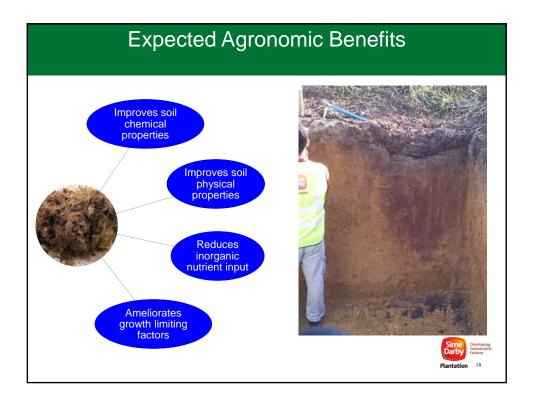












Effect of Bio-corpst on FFB yield in Immature oil palm planting.TreatmentsAdditional InorganicMean FFB Yield*Bio-compostN/K20(Year 1 & Year 2)Kg/palm/yearKg/palm/year% Over Control01.0/2.0100251.0/2.0117501.0/2.0123	Expected Agronomic Benefits (cont)					
Bio-compost N/K20 (Year 1 & Year 2) Kg/palm/year Kg/palm/year % Over Control 0 1.0/2.0 100 25 1.0/2.0 117						
Kg/palm/year Kg/palm/year % Over Control 0 1.0/2.0 100 25 1.0/2.0 117	Treatments	Additional Inorganic	Mean FFB Yield*			
0 1.0/2.0 100 25 1.0/2.0 117	Bio-compost	N/K ₂ 0	(Year 1 & Year 2)			
25 1.0/2.0 117	Kg/palm/year	Kg/palm/year	% Over Control			
	0	1.0/2.0	100			
50 1.0/2.0 123	25	1.0/2.0	117			
	50	1.0/2.0	123			
75 1.0/2.0 123	75	1.0/2.0	123			
Harvesting commenced at 25 th month from planting Source : K.P Ong (2008)						

	Expected Agronomic Benefits (cont)						
•	 Bio-Compost is expected to give similar benefits as EFB 						
•	 It has been established that the application of EFB would increase FFB yield by 7 – 75% depending on the soil type as compared to the use of inorganic fertiliser. Effect of EFB application on FFB yield in mature oil palm 						
	Soil Series	Mt/ha	%	Reference			
	Akob	3.40	13	Gurmit <i>et al.</i> , 1981 (UP)			
	Bungor	2.5-6.4	10-24	Golden Hope 1985			
_	Malacca	8.27	75	Lim & Chan 1990 (Guthrie)			
	Rengam	3.1-4.98	7-20	Chan et al., 1993 (Guthrie)			
	Tavy	3.92-11.19	16-53	Chan et al., 1993 (Guthrie)			
	Seremban	7.36	36	Chan et al., 1993 (Guthrie)			
	Harimau	6.05	29	Chan et al., 1993 (Guthrie)			
	Prang	3.98	17	Chan <i>et al.</i> , 1993 (Guthrie) 20			

