

Type	Parameter	Value	Units	Data Source
	Biomass burning Post-harvest-harvest residue-sawn timber regime: Pinus patula	54.6	t d.m/ha	Ross 2004 (Knowles & Christie, 2018)
	Biomass burning Post-harvest-harvest residue - pulpwood regime: Pinus patula	55.6	t d.m/ha	Ross 2004 (Knowles & Christie, 2018)
	Biomass burning grassland: firebreaks	10	t d.m/ha	IPCC 2006, V4, Ch2, Table 2.4, All savanna grasslands (mid/late dry season burns)*
Fertilisers				
	EF for N additions from mineral fertilisers, organic amendments and crop residues, and N mineralised from mineral soil as a result of loss of soil carbon	0.01	kg N2O-N (kg N)-1	IPCC 2006 V4, Ch1.1, Table 11.1. Uncertainty range 0.003 - 0.03
	N in synthetic fertiliser (NPK)	0.175	Fraction N	Knowles & Christie, 2018: NPK fertiliser (REF?), Table 7.2. N elemental =5/(5+1+0) * 0.21
Discount for emissions				
	Fires	100		Accounting Rulebook and C tax Bill 2019
schedule 2 of the act	Fertilisation	100		Accounting Rulebook and C tax Bill 2019
SOC values				
	Managed forest - Cold, temperate, dry - High activity clay	50	t C/ha	SA NIR 2017 (IPCC 2006 SOC Ref and IPCC 2019 stock change factors)
	Managed forest - Cold, temperate, dry - Low activity clay	33	t C/ha	SA NIR 2017 (IPCC 2006 SOC Ref and IPCC 2019 stock change factors)
	Managed forest - Cold, temperate, dry - Sandy soils	34	t C/ha	SA NIR 2017 (IPCC 2006 SOC Ref and IPCC 2019 stock change factors)
	Managed forest - Cold, temperate, dry - Volcanic soils	20	t C/ha	SA NIR 2017 (IPCC 2006 SOC Ref and IPCC 2019 stock change factors)
	Managed forest - Cold, temperate, dry - Wetland soils	87	t C/ha	SA NIR 2017 (IPCC 2006 SOC Ref and IPCC 2019 stock change factors)
	Managed forest - Cold temperate, moist - High activity clay	95	t C/ha	SA NIR 2017 (IPCC 2006 SOC Ref and IPCC 2019 stock change factors)