Soil Ice Arabian Peninsula (16-30N,35-60E) 0.0021 0.00060 0.0018 0.00050 0.0015 0.00040 0.0012 0.00030 0.0009 0.00020 0.0006 0.00010 0.0003 0.00000 0.0000 6 8 Layer 4 2 4 6 8 Layer 3 12 2 10 10 0 12 14 0.000024 0.8 0.000020 0.4 0.000016 kg/m^2 0.000012 0.0 0.000008 0.4 0.000004 -0.8 0.000000 6 8 Layer 5 6 8 Layer 6 2 4 10 12 14 2 4 10 12 14 8.0 0.8 0.4 0.4 kg/m^2 kg/m^2 0.0 0.0 -0.4 0.4 -0.8 -0.8 6 8 Layer 7 6 8 Layer 8 2 0 10 12 2 10 12 8.0 0.8 0.4 0.4 kg/m^2 0.0 0.0 -0.4 -0.4 -0.8 -0.8 2 6 0 10 12 14 0 2 8 10 12 4 4 14 Layer 9 Layer 10 8.0 0.8 0.4 0.4 kg/m^2 0.0 0.0 -0.4 -0.4 -0.8 -0.8 0 2 12 2 8 6 8 10 0 6 10 12 14 Myccost_I2000Clm50BgcCrop_control (yrs 1-14) Myccost_I2000Clm50BgcCrop_kparams (yrs 1-14)