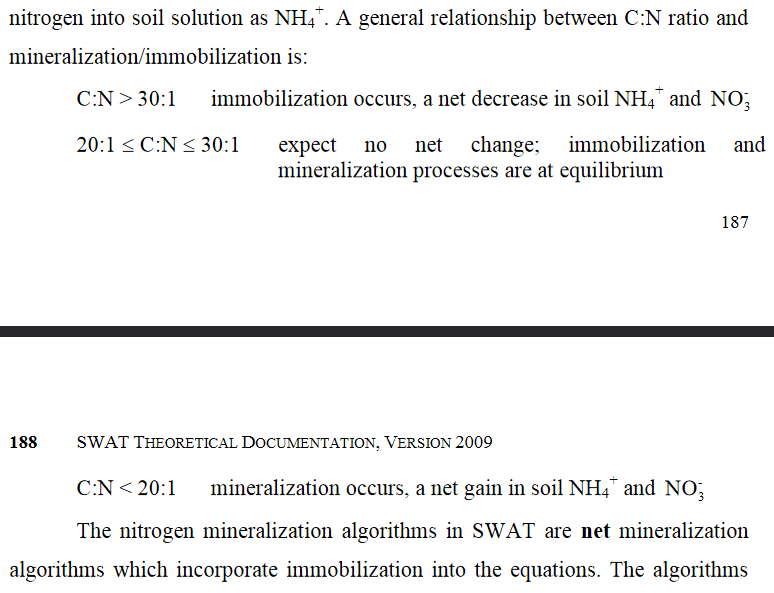
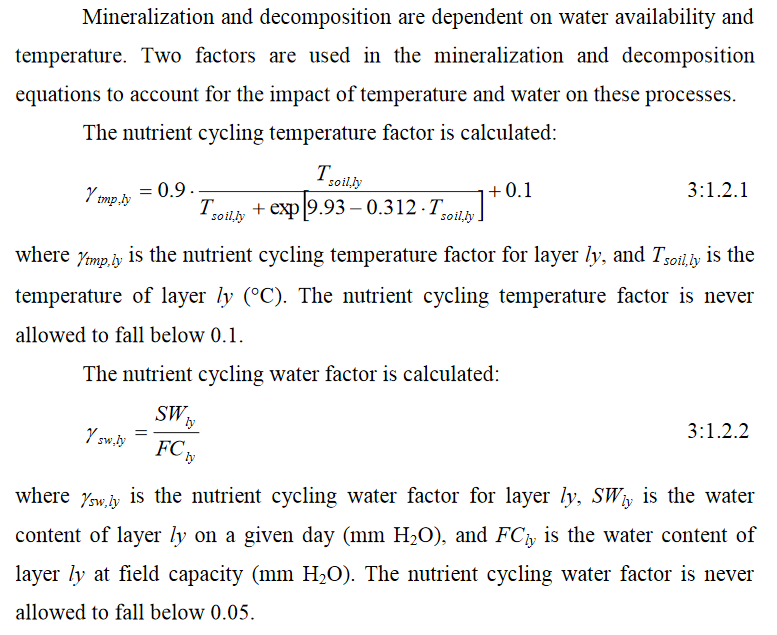
**N Equations (p. 185-194 in SWAT manual)**

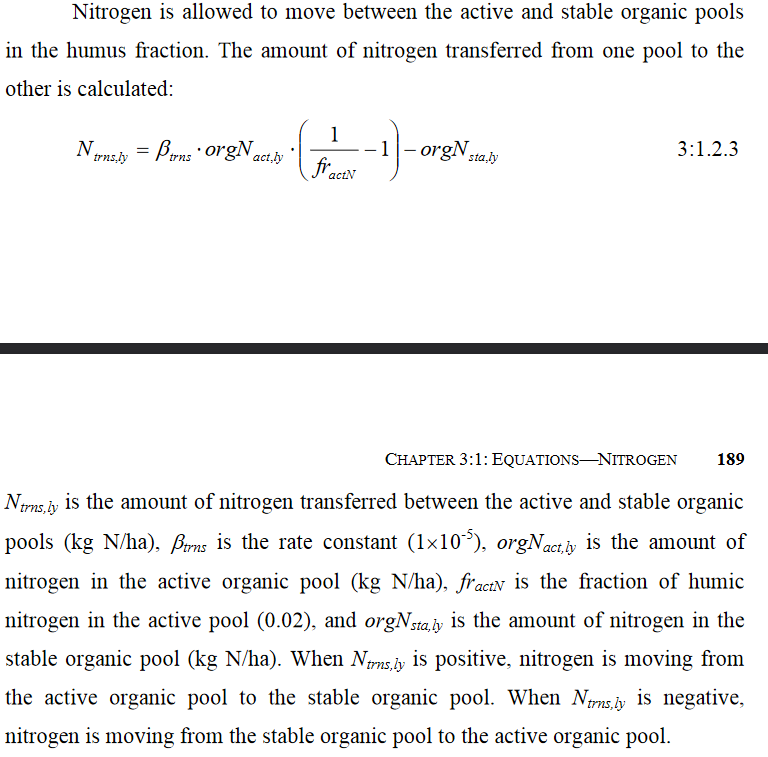
Mineralization and decomposition/immobilization: (transformation 4)

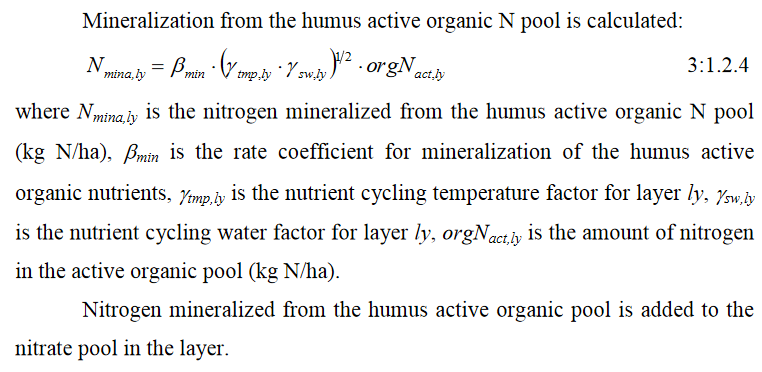


Temperature and water cycling factor:

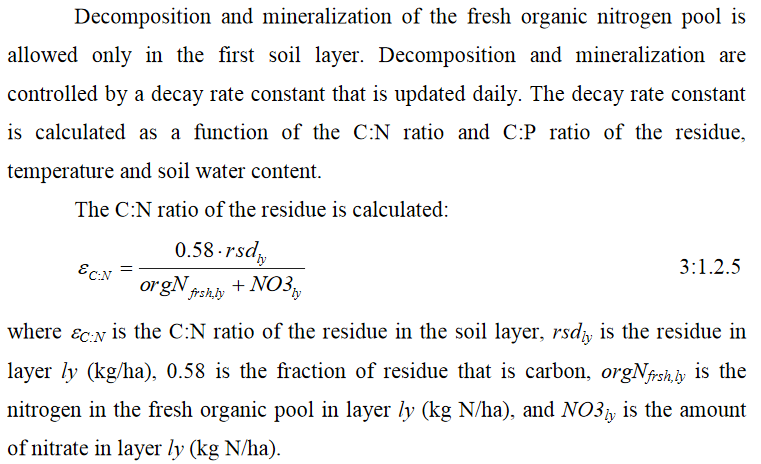


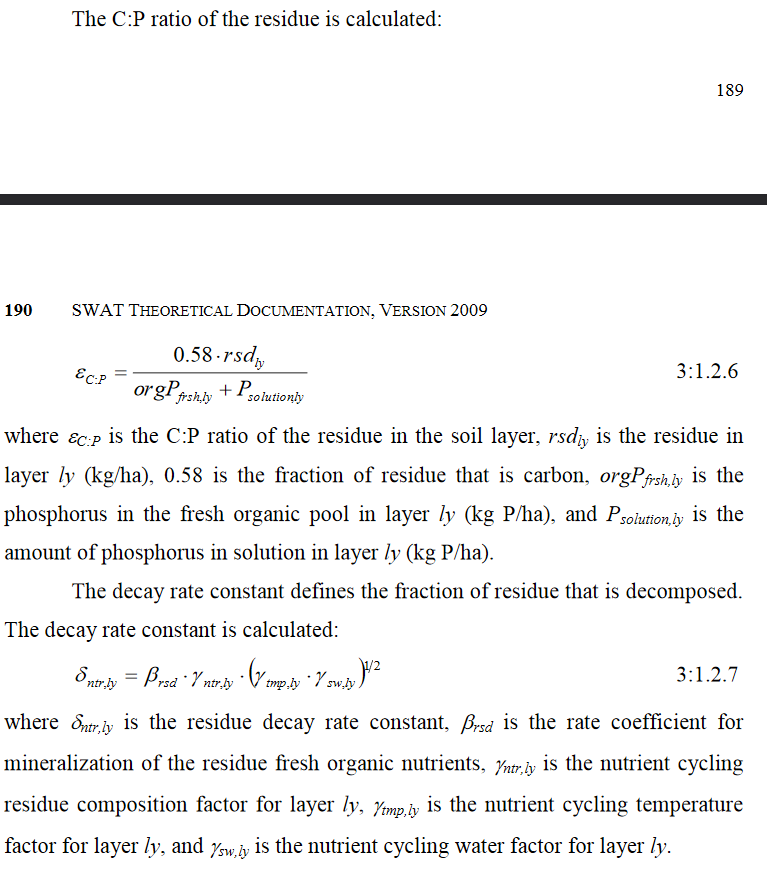
Humus Mineralization: (transformations 6,7)

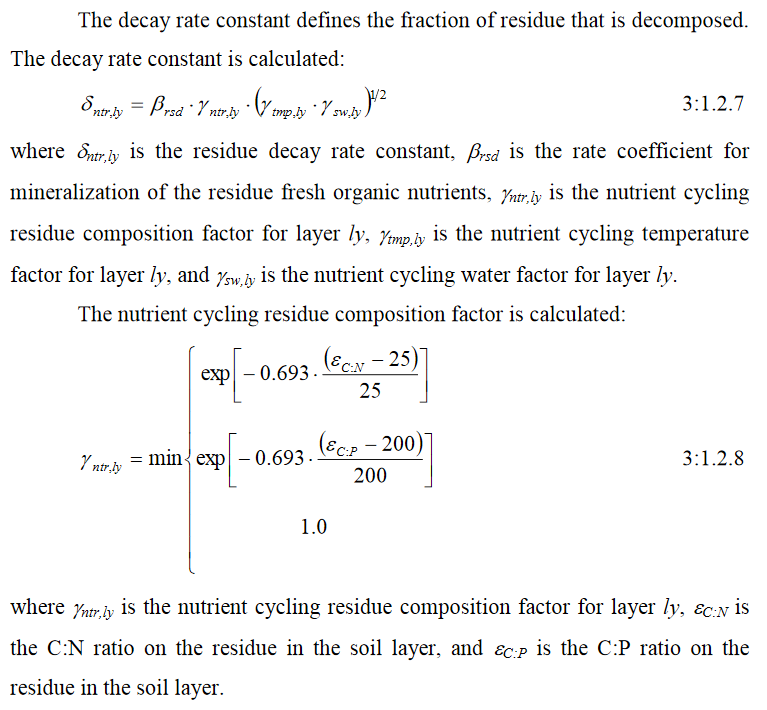


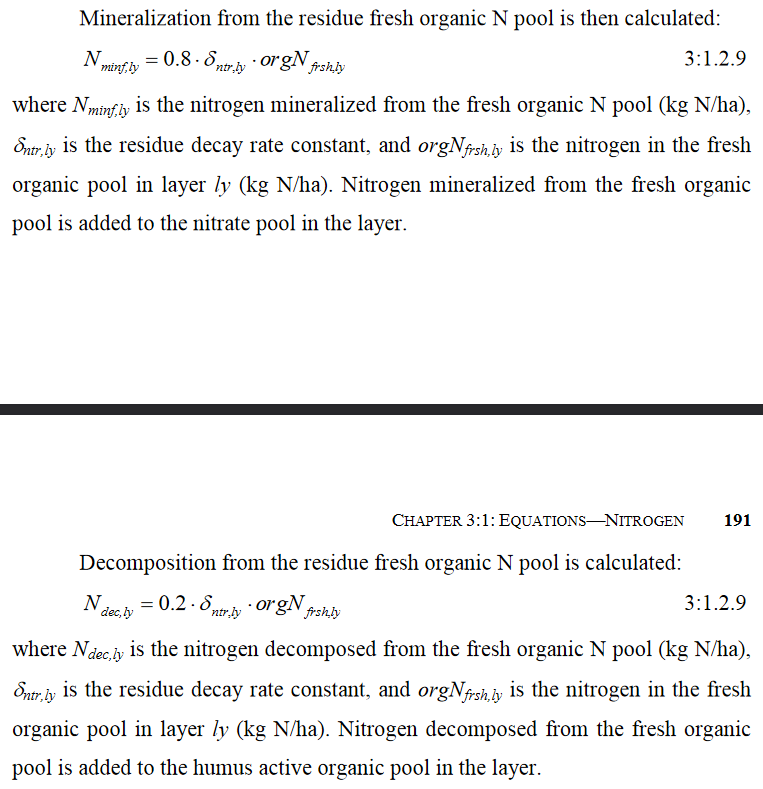


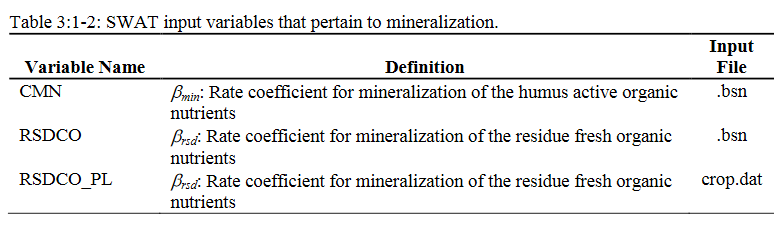
Residue Decomposition and Mineralization: (transformations 1,2)



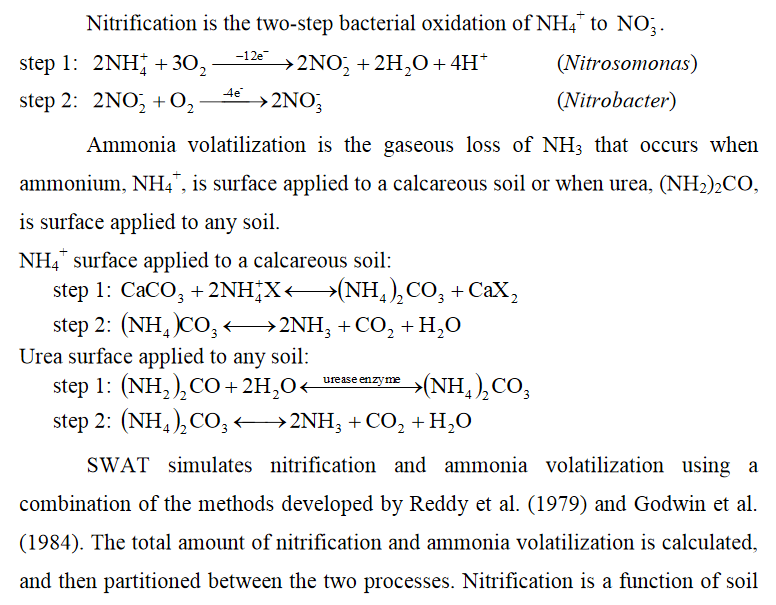


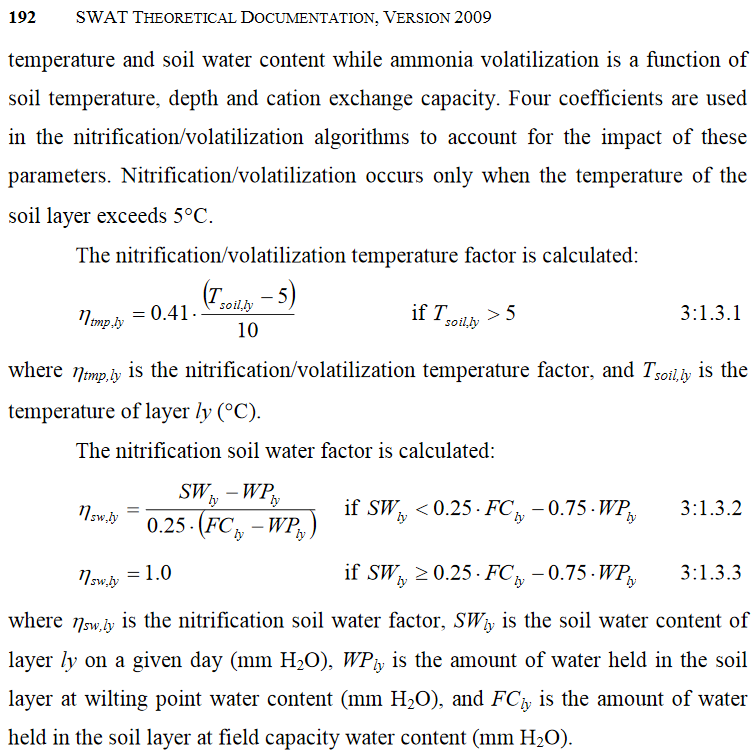


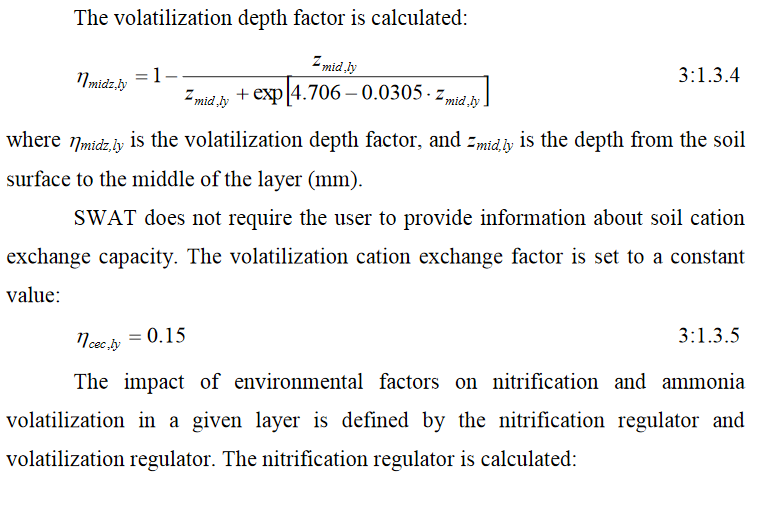


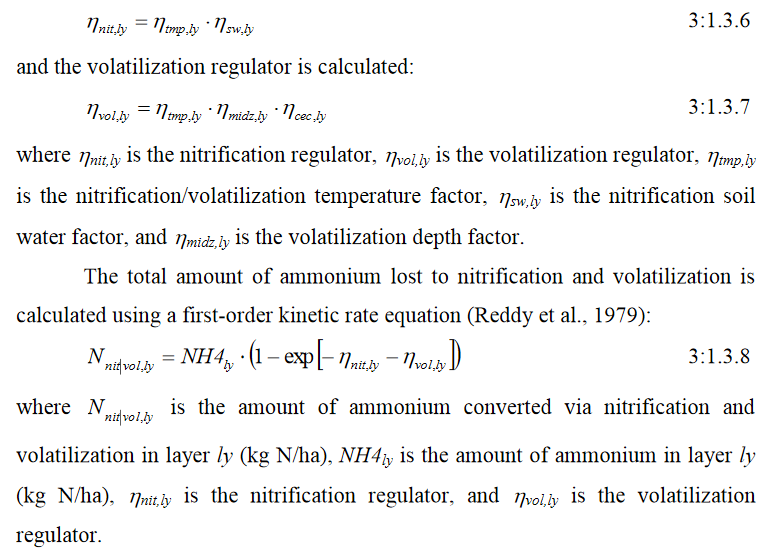


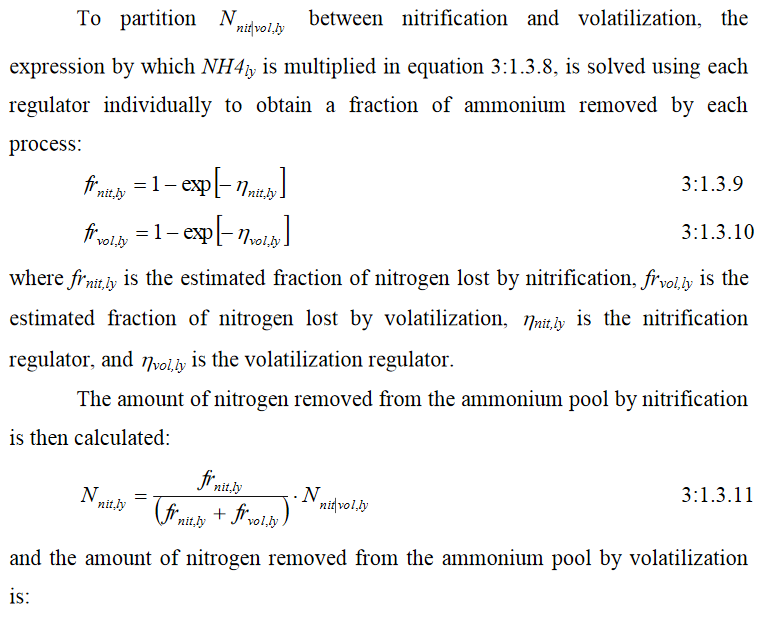
Nitrification: (transformation 3)

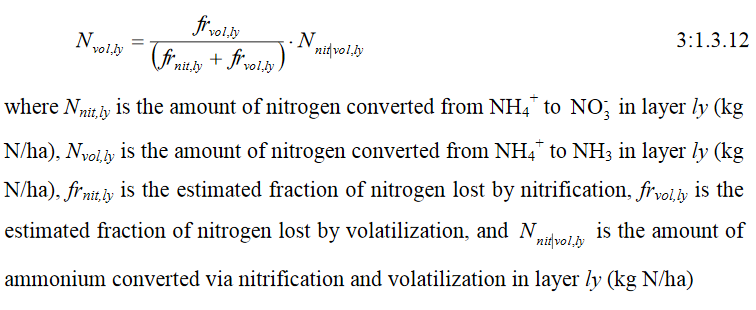






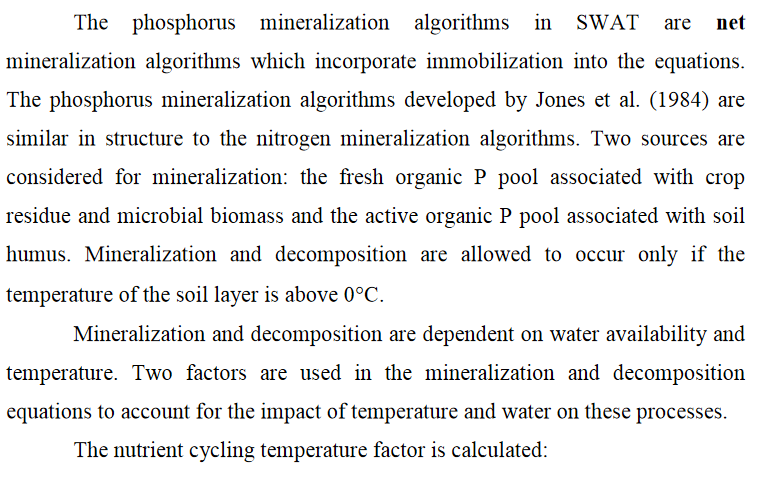


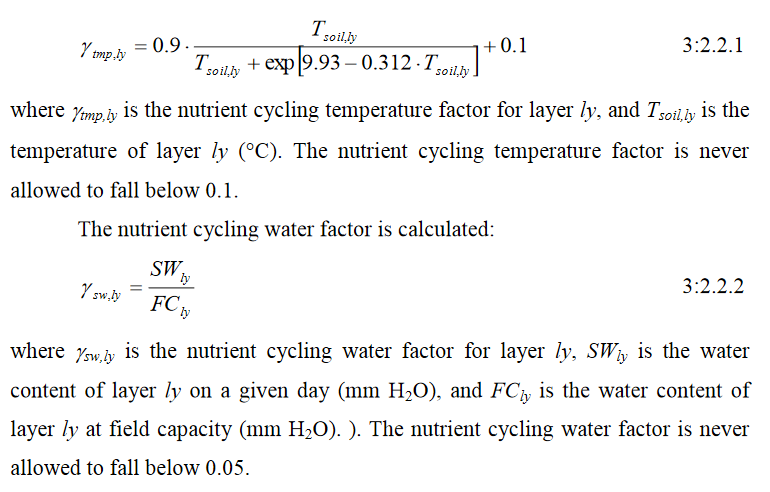




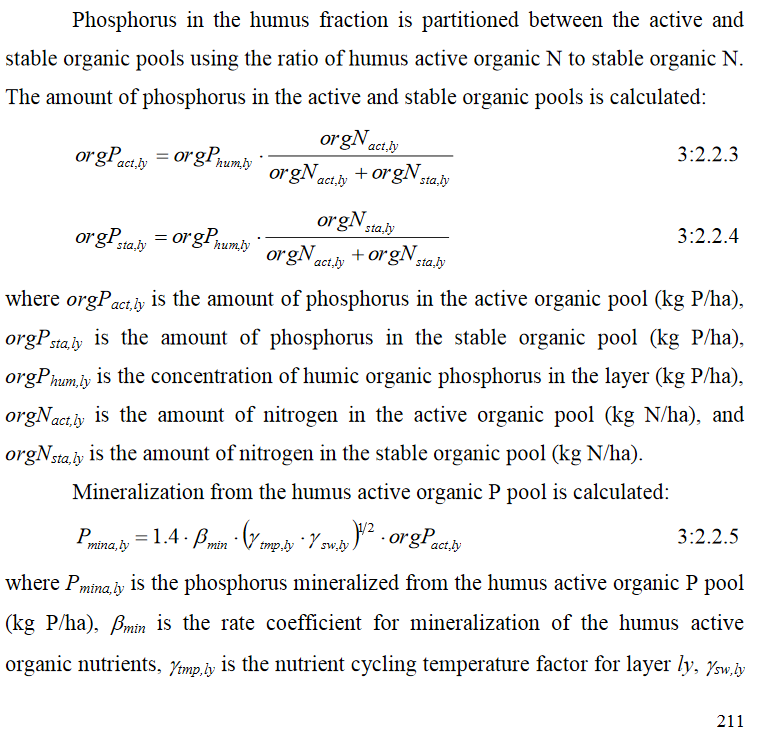
**P Equations: (p. 210-216 in SWAT manual)**

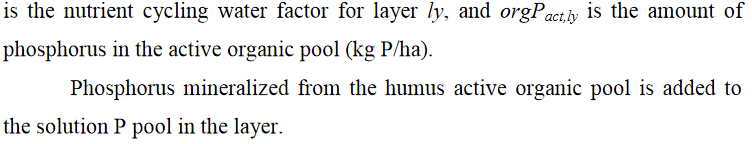
Mineralization and Decomposition/Immobilization: temperature and water factors



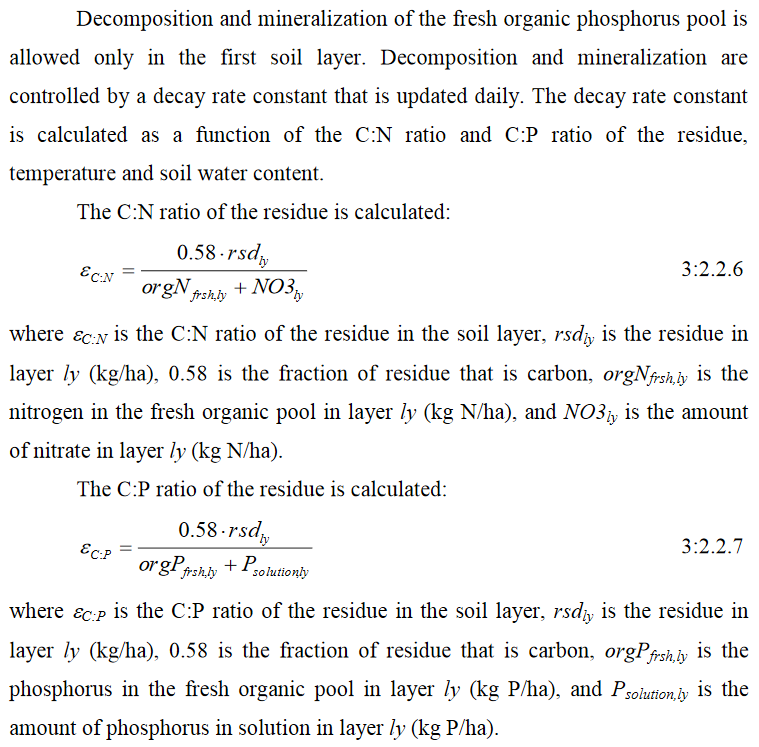


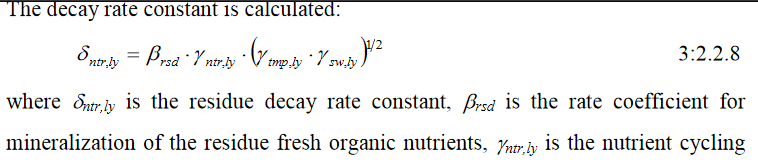
Humus Mineralization: (transformations 1,2)

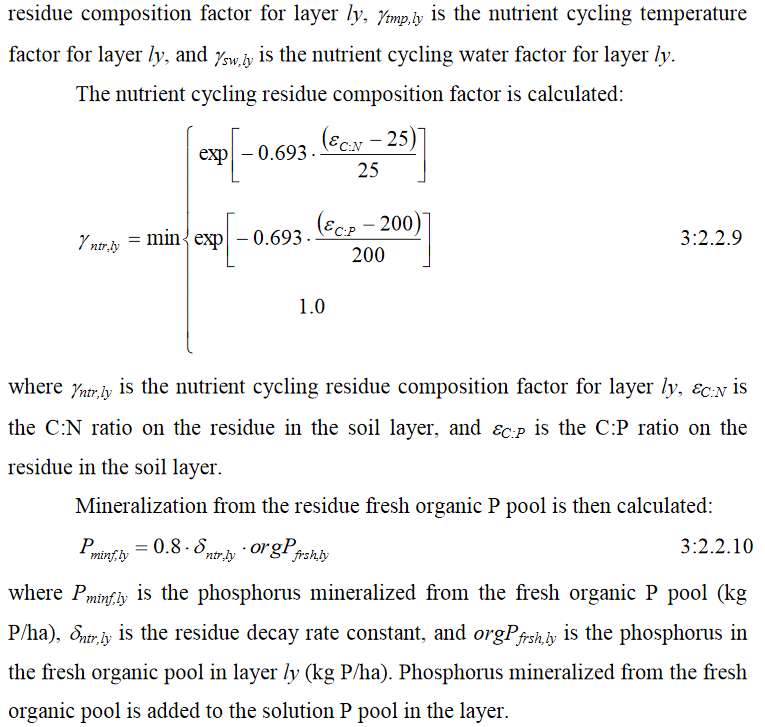


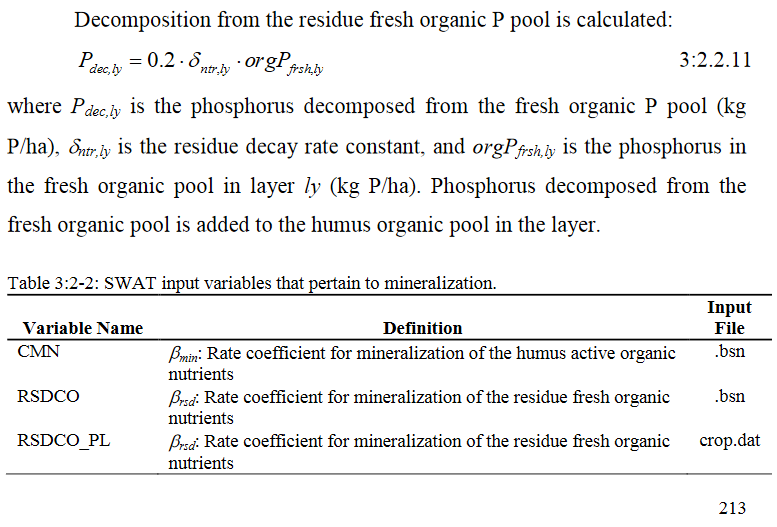


Residue Decomposition and Mineralization: (transformations 3,4,5,6)









Sorption of Inorganic P: (transformations 7,8,9,10)

