













PSE 406: Lecture 24





• These materials are very important to the soil (As lignin is to everything else)

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- The amounts of these compounds is very soil type dependent.
 - » 60-70% of soils organics are humin, humic acids and fulvic acids
 - » Soil organic matter ranges from 0.5 to 20 % of the soil material

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Formation of Humus from Sugar-Amine Condensation	
 In this final route, the organic material is formed through reactions between sugar degradation chemicals and organic nitrogen materials. 	Sugar + Amino compound N - substituted glycosylamine Aminodexyketose detwidnation fragmentation Reductones furfurals
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