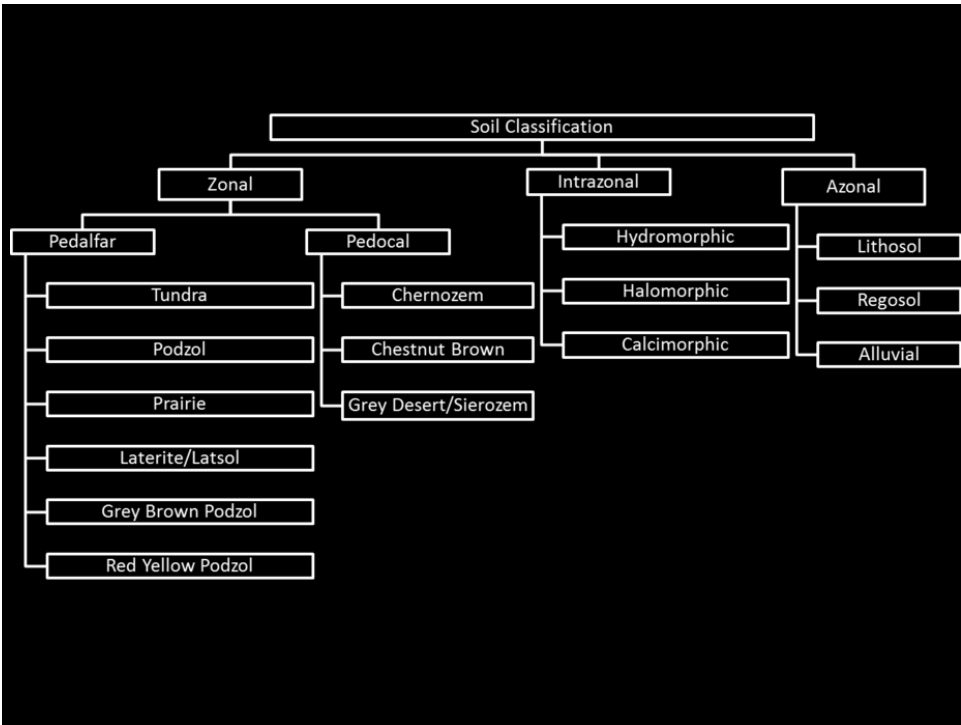


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Zonal Classification of Soil



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Soil order	Defining characteristics	Percent earth land area
Alfisol	Moderate leaching; B horizon enriched in clay; humid forest vegetation	9.77
Andisol	Volcanic-ash parent material	0.73
Aridisol	Hot, dry climate; weak B horizon	18.53
Entisol	Little or no horizonation or swelling clay	10.61
Gelisol	Permafrost within 2 m of land surface	-
Histosol	Organic parent material	1.84



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Inceptisol	Little or no B horizon development	21.80
Mollisol	Thick, soft, black A horizon	5.99
Oxisol	Hot, humid climate; A horizon enriched in iron & aluminum oxides & kaolinite	7.00
Spodosol	Cool, humid climate; B horizon enriched in iron & aluminum oxides & organic matter; sandy parent material	3.45
Ultisol	Warm, humid climate; B horizon enriched in clay; extensive leaching	8.12
Vertisol	Little or no horizonation; high content of swelling clay	2.23

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Soil Orders associated with Climates

- Oxisols - Af [Aw]
- Ultisols - Cfa [Af, Aw]
- Alfisols - Aw, Cs, Cfa, Dfa, Dfb
- Spodosols - Dfb, Dfc
- Gelisols - ET [Dfc, Dw]
- Mollisols – dry sections of Cfa, Dfa, Dfb and wet margins of BSk
- Aridisols - BWh, BWk