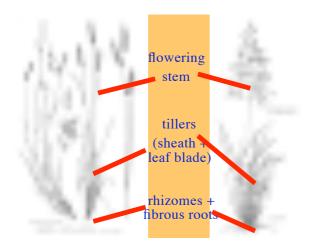


grassland soils much influenced by climate and growth habits of growth

• l eaves, roots & stems die & drop all growing year under periodic droughts

- i ncorporated quickly & continuously
- l ight rains: do not leach out nutrients
- l ate summer dry + winter cold halts decomposition no acid accumulation
- r ich soil biota good aeration + mixing

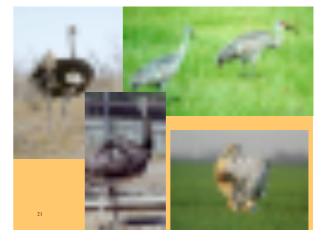


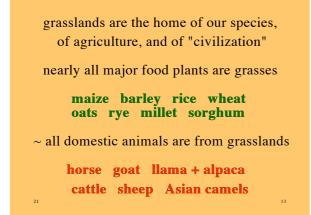




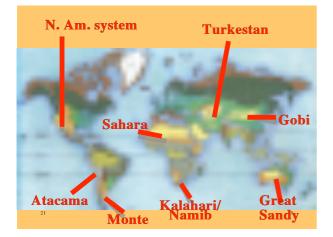






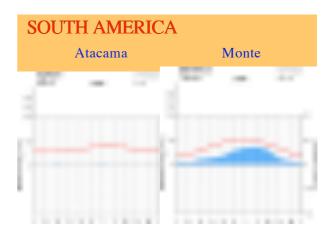






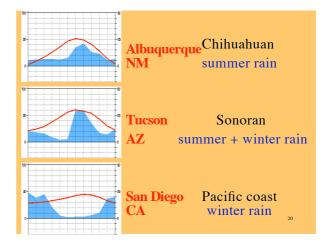






http://instruct.u wo.ca/biology/320y/namdes.htm]





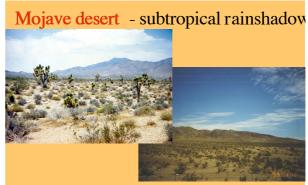
poorly developed soils - why? aridity => • I ow productivity => low debris accumulation • I ow decomposition rate => I ow incorporation high winds => • r emoval of much debris high evaporation => • d eposition of salts downhill e rosional cline in soil types • effects on vegetation types



Great basin desert - intermontane west



cool; >1200m.; even precipitation; ²¹ snow; hard frosts; +/- all low shrubs ²³



warm/hot; 6 -1200m.; winter + spring rains; ²¹ some frosts; +/- all low shrubs ²⁴

Sonoran d esert - subtropical



warm/hot; < 600m.; winter + summer rains; ²¹ no frosts; highly diverse vegetation ²⁵



cool/hot; 1000+m.; mostly summer rains; ²¹ frosts; mostly shrubs ²⁶





