

## World Population Growth, 1750-2150

Population (in billions)

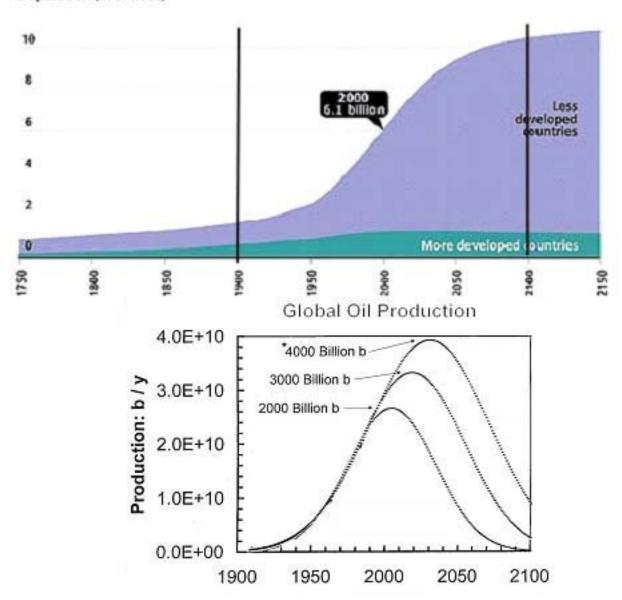
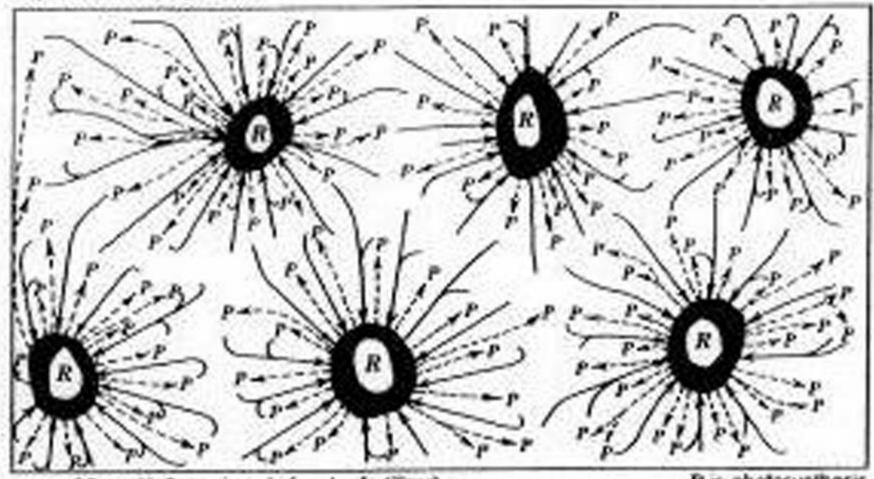


Figure 18-7. Bacteria (reproducing via fission) with a doubling time of one minute would fill a bottle as illustrated below.



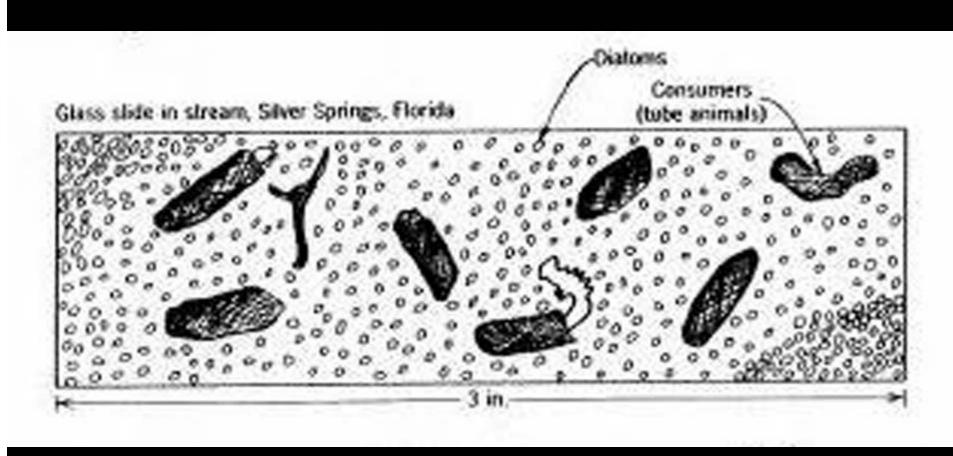
Top view of P-R systems

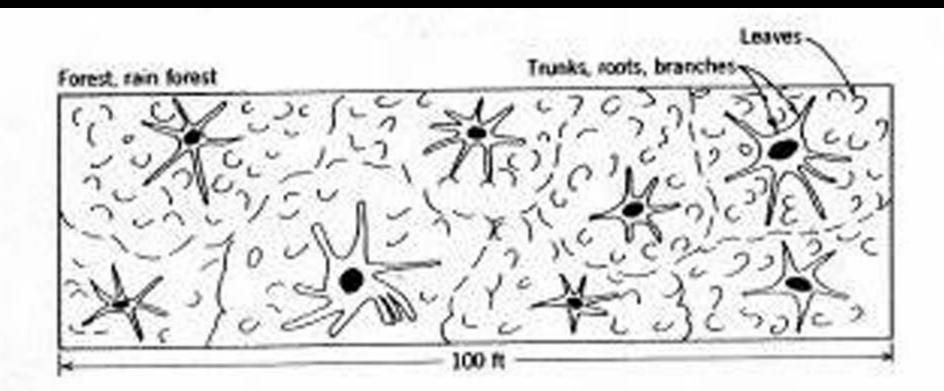


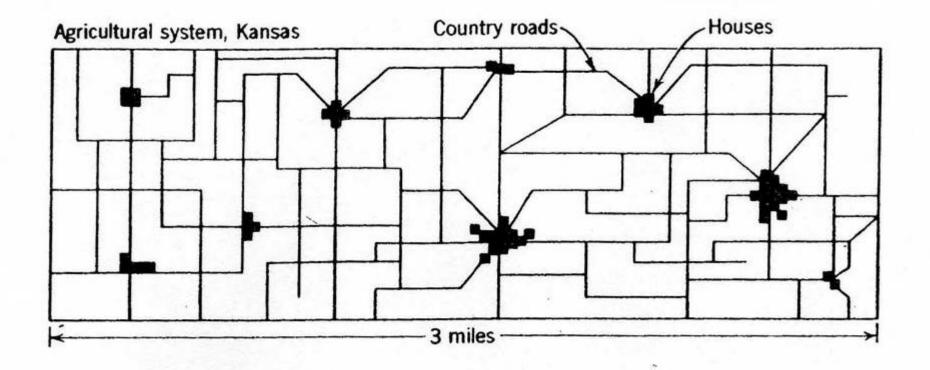
---> CO<sub>2</sub> + H<sub>2</sub>O + minerals (waste, fertilizer)

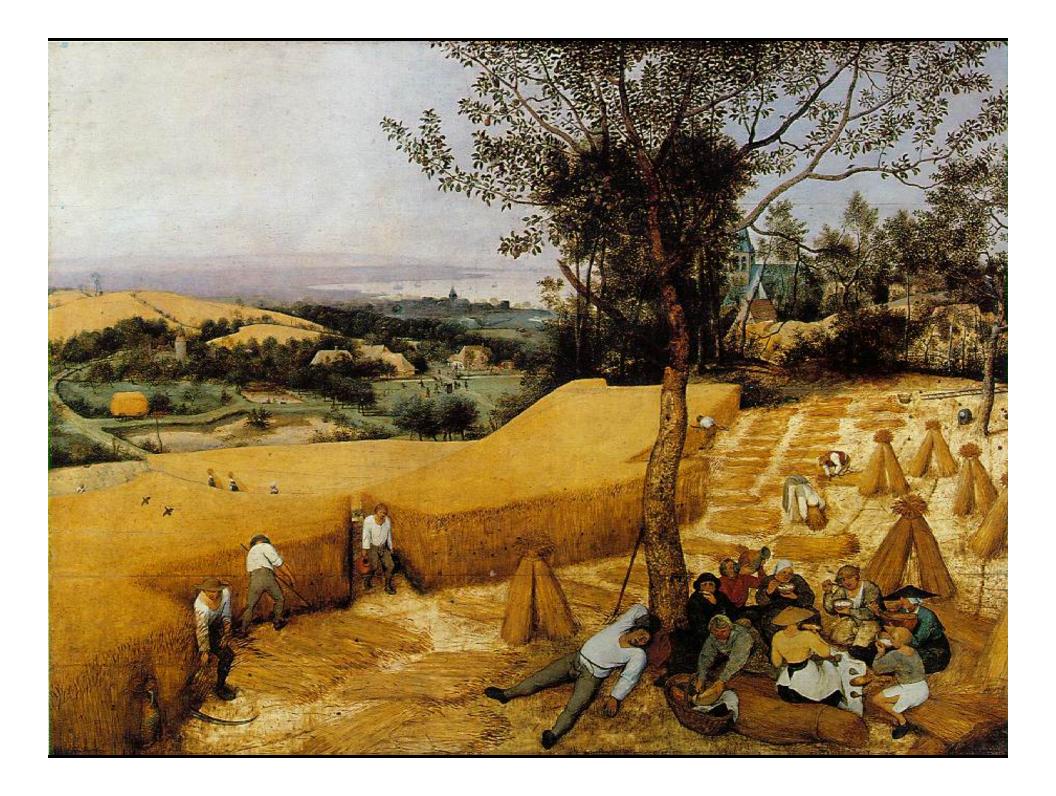
- O2 + fuel

P is photosynthesis
R is respiration

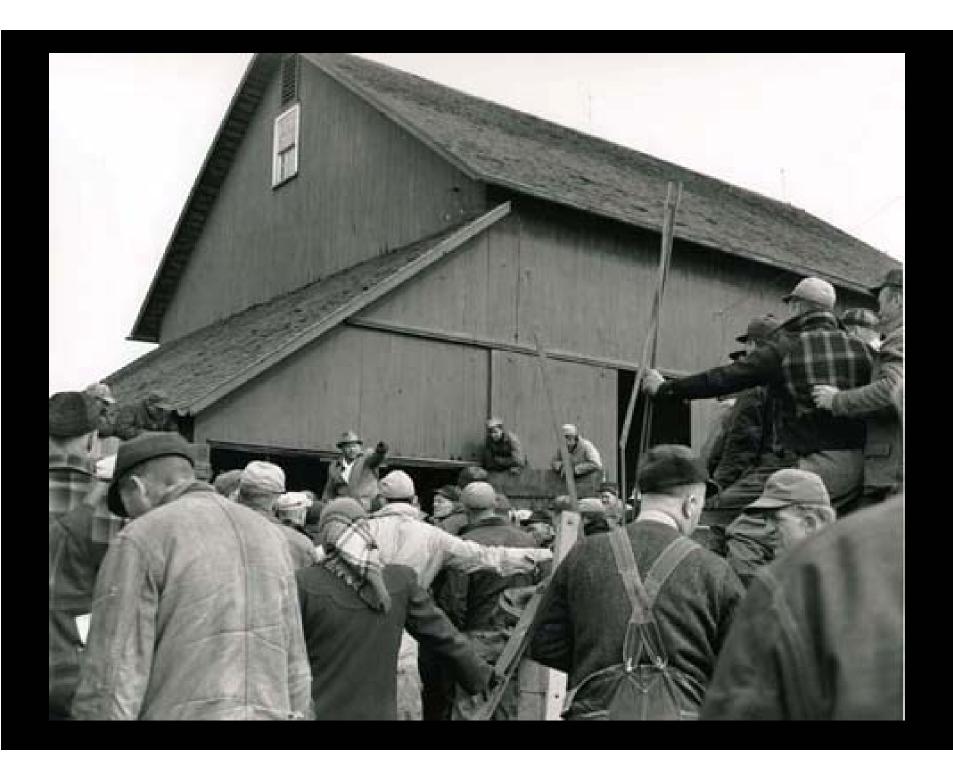












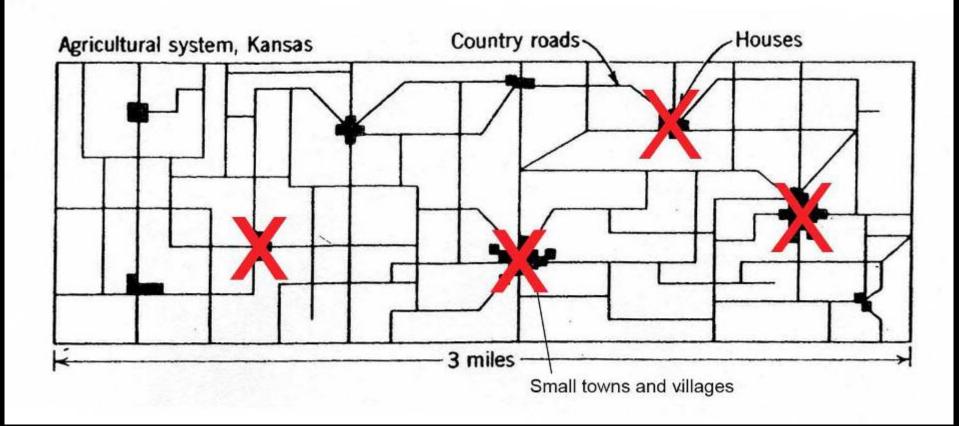


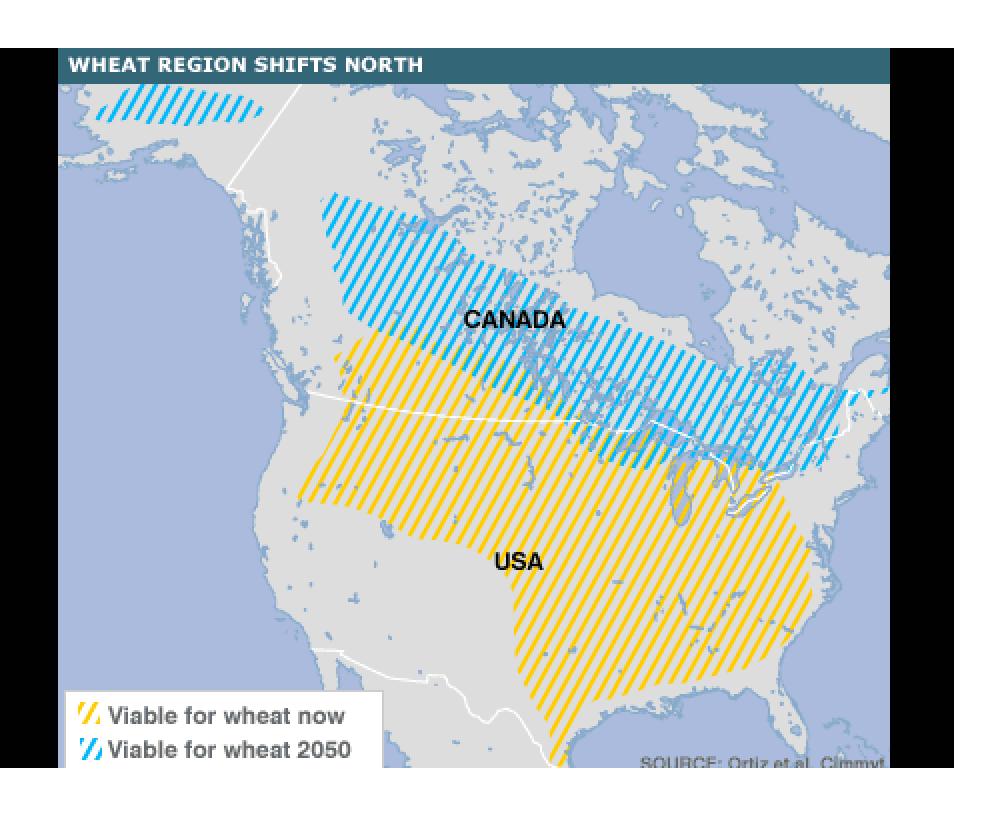


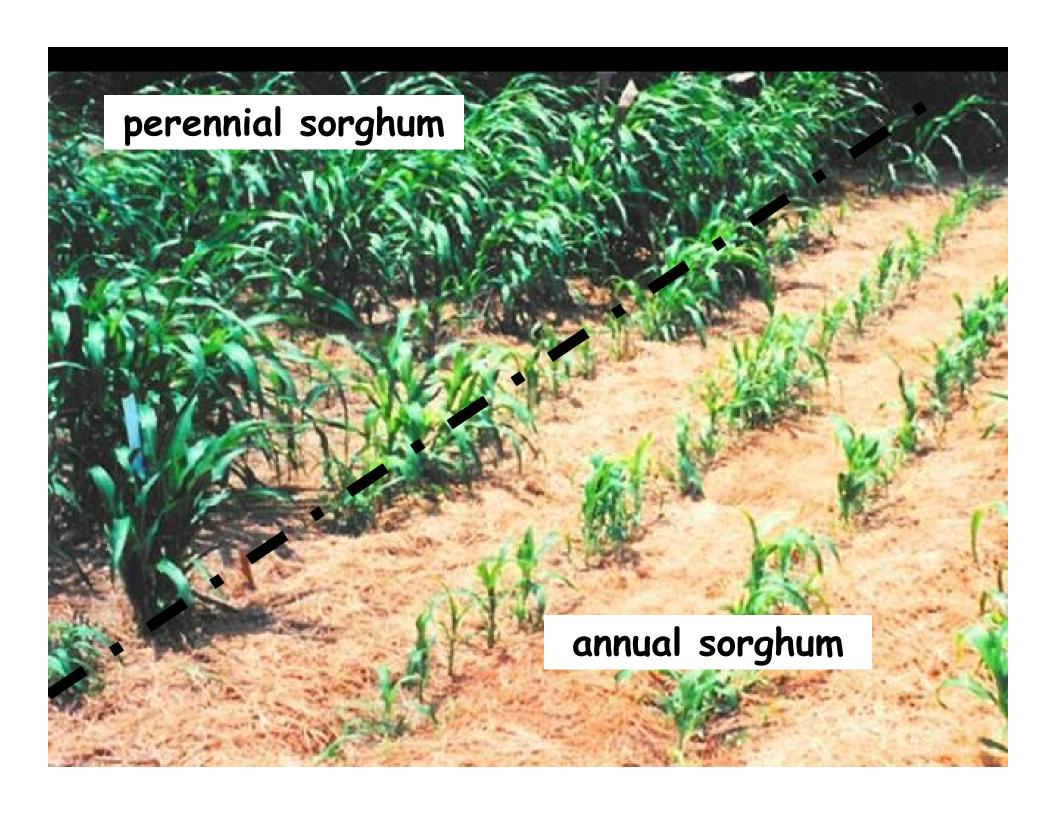


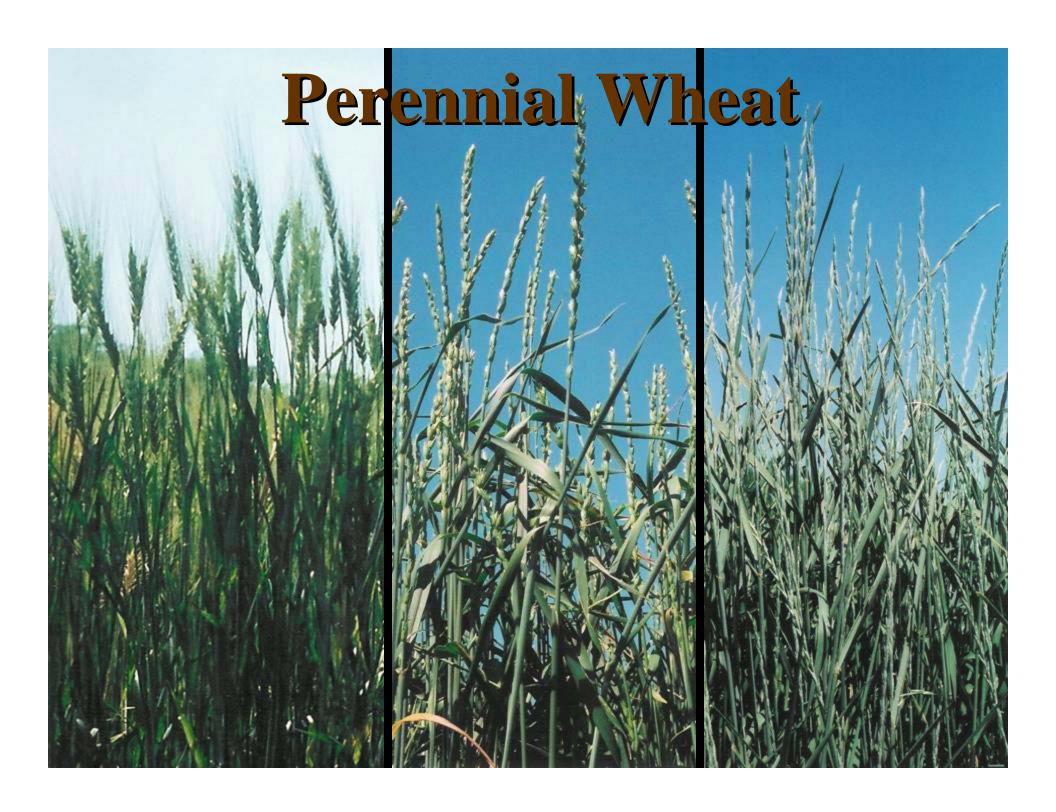


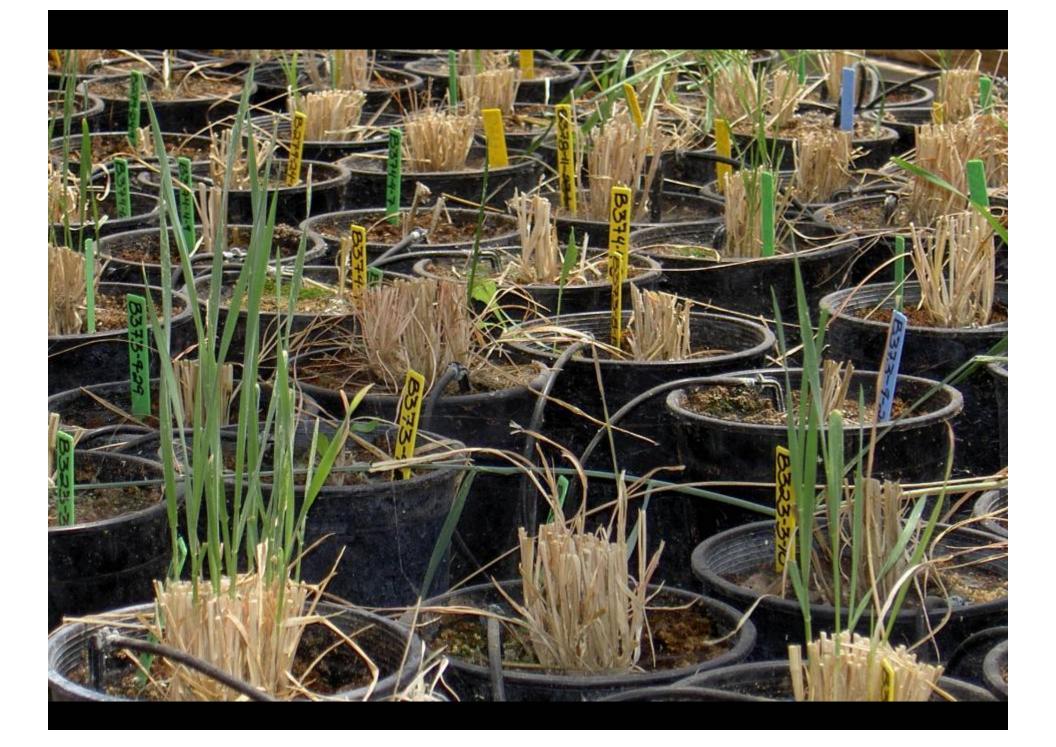












September, 2005: Field trial of 1000 intermediate wheatgrass plants divided into 3 clonal replicates each



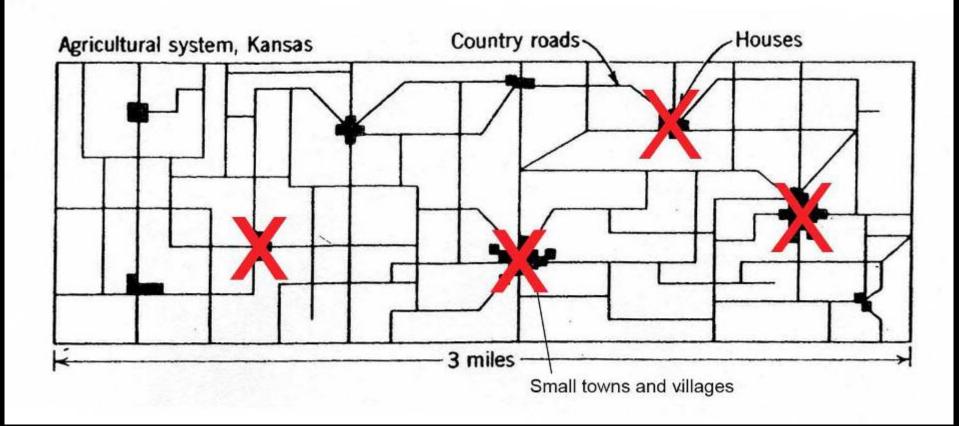


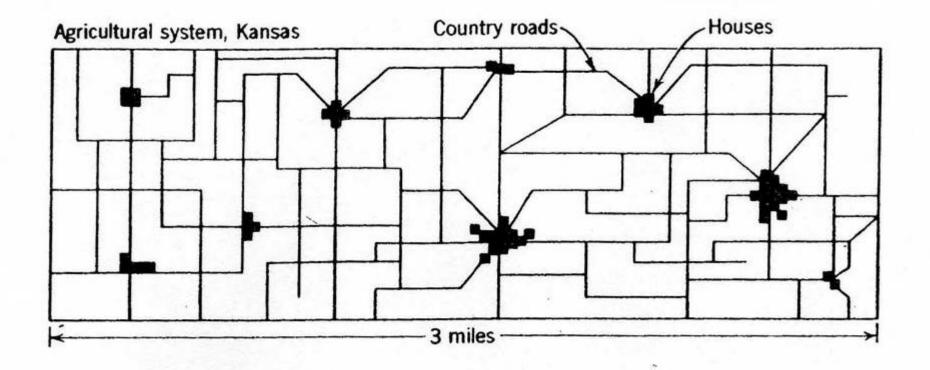


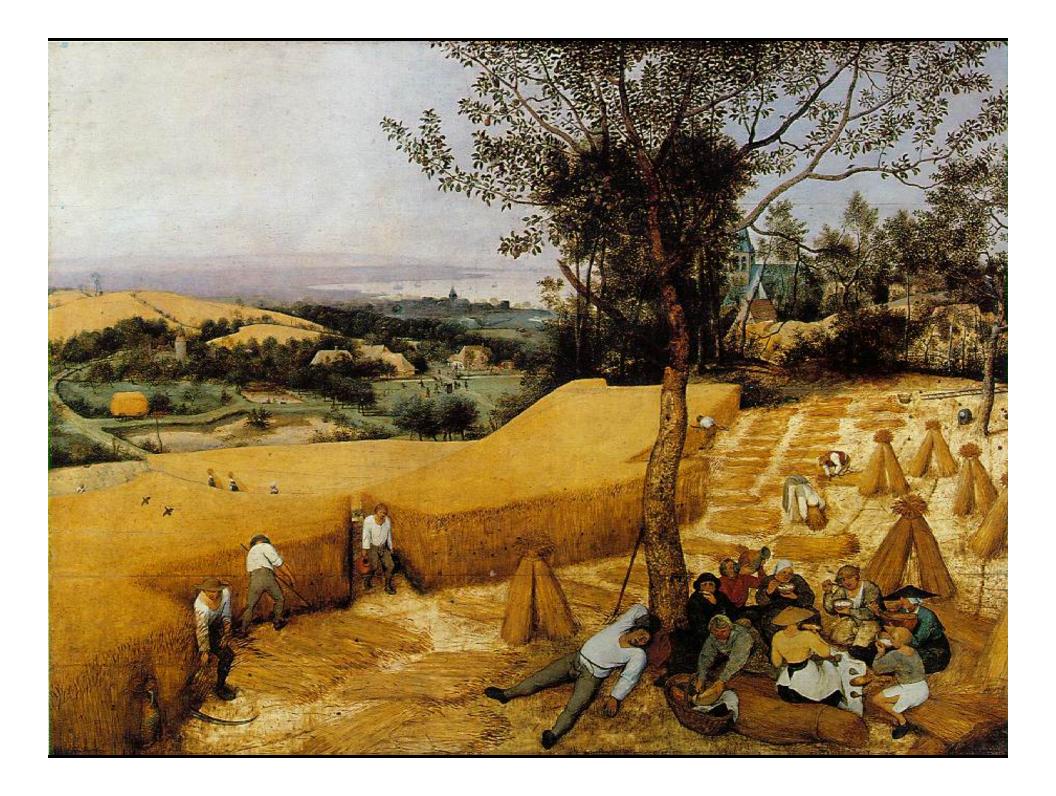
Helianthus annuus H. maximiliani







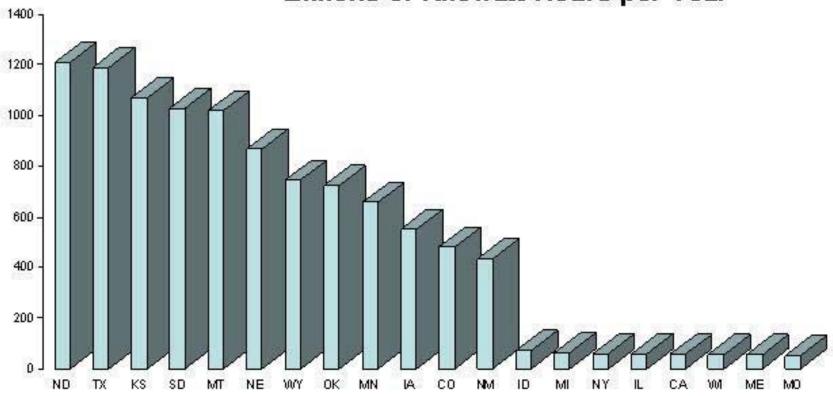






## Top Twenty States Potential Wind Energy in





Source: Dept. of Energy, Pacific Northwest Laboratory, August 1991. PNL-7789

