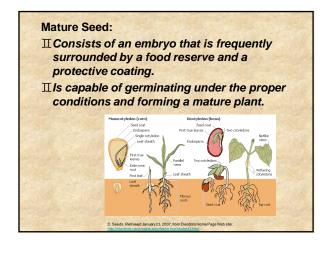
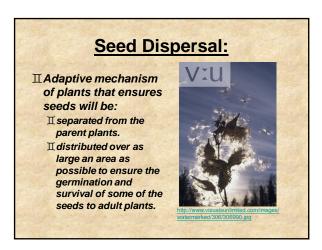


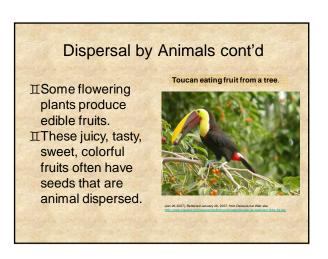
How do plants disperse their seeds?

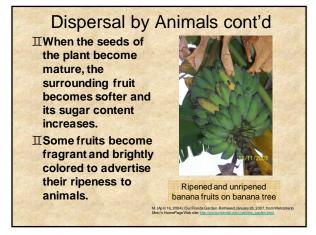
- Animals
 - Carry seeds on fur or feathers
 - Eat edible fruits that contain seeds and pass through digestive system to be deposited later
 - Collect and bury seeds (ants and squirrels)
- Nature
 - wind...winged seeds, puff seeds, tumbleweeds
 - Water...float and travel to another location
 - Fire...some pine cones open only with heat













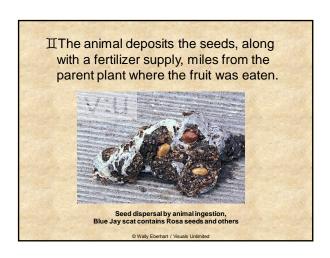
Dispersal by Animals cont'd Animals eat fruits and defecate:

IWhen the animal ingests the fruit the animal digests the fleshy part.

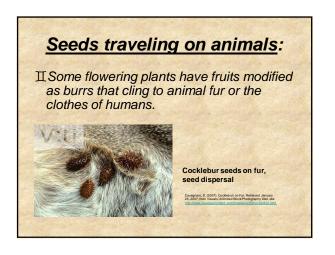
II The seed coat usually prevents the digestion of the seeds.

IIMany such fruits contain laxatives to help the process along.

IIThe tough seeds usually pass unharmed through the digestive tract.







Animals bury seeds

II Small animals collect seeds and bury them as food stores for a later date when food is scarcer. Occasionally, these animals do not return to collect these seeds, and they leave them planted in the ground.

Animals bury seeds cont'd II Squirrels bury oak acorns and sometimes forget where they buried them, thus planting a tree far away from the parent plant. natzoo.si.edu/Animals/.../

Animals bury seeds cont'd

II Blue Jays also bury acorns. They usually remember where they bury them, but at times they bury more than they need. This leaves some acorns in the ground, which may eventually sprout.



Wind Dispersal

UrbanNatureWatch/Watches

II Small, hard, dry fruits are often dispersed by wind. Some plants have seeds within fruits acting as kites or propellers that aid in wind dispersal.



Seed dispersal from the Common Milkweed (Asclepias syriaca), North America.

Leroy Simon / Visuals Unlimited

Wind Dispersal cont'd:

produce a large number of seeds, but most of the seeds will not produce mature plants. II Their large number and ability to disperse to new habitats ensure that at least some will grow and eventually produce seeds themselves.

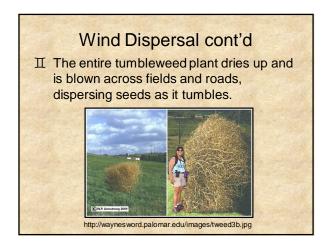
II Most of these plants

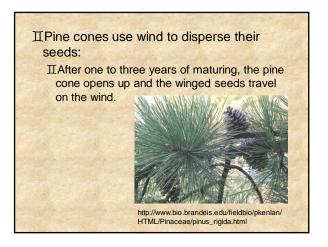


II Some plants have seeds within fruits acting as kites or propellers that aid in wind dispersal.

Wind Dispersal cont'd: Maple winged fruits

www.oplin.lib.oh.us/tree/.../ maple_hedge.html





II Where natural fires are common, many seeds require intense heat to break dormancy. II Seedlings are therefore most abundant after fire has cleared away Ex: Pitch pine cone: during a fire the pitch pine cones will open in extreme heat. competing http://www.campton.sau48.k12.nh.us/neflo vegetation. ra/images/neflora/3-29_Pitch_Pine_Cone_small.JPG

