

Seed Dispersal and Pollination



Seed Dispersal:

- Methods:

- Wind
- Water
- Animals
- Plants Themselves



- Touch-me-not: Burst on slightest touch
- Mistletoe: Absorbs as much H₂O as it can and then bursts, shooting its seeds 15 m.
- Pansy: Dries up; splits with a large force; shoots its seeds into the air.

Pollination:

- Remember:

- Pollination is the process of transferring of pollen from the male reproductive structure to the female reproductive structure.
- Fertilization is the process of fusion of the egg and sperm.

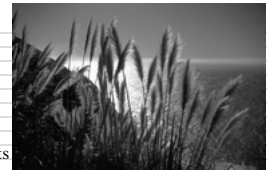
Pollination:

- Water Pollinated

- Must be able to float away

- Wind Pollinated

- Carried by air currents
- Dull (in color)
- Little odor
- No nectar
- Large amounts of pollen
- No petals
 - so anthers and stigmas are exposed to the wind.



Pollination:

- Animal Pollinated

- Must be eaten or carried away by organisms
- Colorful
 - Bees: Like yellow and blue
 - Hummingbirds like red
- Have odor
- Have nectar
- Have petals
- Shape
 - must be possible for the animals to reach anthers and stigmas
- Size
 - must be possible for the animals to reach anthers and stigmas

