Modeling Crazy Worms: Meeting 5/19/16

Parameters needed:

* Reproduction:
  + How many cocoons does each worm lay?
  + How many worms hatch from each cocoon?
  + At what temperatures do the eggs hatch?
  + If a cocoon is laid in ideal temperatures, how long does it take to hatch?
  + Under what conditions do worms lay cocoons?
* Consumption:
  + How quickly do worms consume organic matter in the soil? (Potentially, what is the dependence on type of soil?)
  + How frequently do they switch from ingesting to egesting and back?
  + Are castings consumable by the worms? If not immediately, how quickly do they decompose?
  + How long can worms live without eating? Does this disrupt their ingestion/egestion cycles?
* Death:
  + Rates of death and dependence upon temperature, if possible
* Movement:
  + Is it harder to move in certain kinds of areas (e.g. uphill vs. downhill)?
  + How quickly do the worms move?
* Different species of crazy worms:
  + How do worms interact with worms of different species?
  + How do worms interact with other worms of the same species?
* Does the following hold for crazy worms?
  + Can sense where the most organic matter is (for ingestion) and where the most porous soil is (for egestion)
  + If so, from how far way are they able to sense organic matter?

Model clarifications:

* How will the worms be mitigated?
* On what size and time scales are we trying to model the worms?
* Importance of passive dispersal and predator interactions?
* What factors do you want control of, concerning both the worms, and the environment that they are in?
* What do you want us to do?