**PARAMETERS TO CHANGE FOR BIG MAP**

* fd-amt
* inactive prob of scouting

**NOTES**

* μL/patch : percent chance
  + 1 : 40%
  + 10 : 25%
  + 100 : 20%
  + 1000 : 10%
  + 10000 : 05%
* Patch parameters
  + Dense
    - 0.4 (run 3960): c1\_mult=201, c2\_mult=81, patchiness=21
    - 0.6 (run 1600): c1\_mult=81, c2\_mult=61, patchiness=5
    - 0.8 (run 840): c1\_mult=41, c2\_mult=1, patchiness=21
  + Sparse

**TODO**

* Patch set up
  + Choose R value and have values set auto for sparse
  + Regenerate patch distribution if R isn’t right value
  + Do patch quantities
* State Machine
  + inactive
    - transition to toResource
  + random-search
    - speed searching vs flying directly
  + forage-nectar
    - DONE
  + return-to-hive
    - energy stuff-dancing
      * e-res
      * dancing?
  + dance
  + Ephemeral
  + Add in energy component