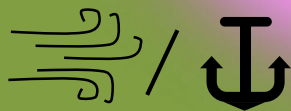


(A) Plant development

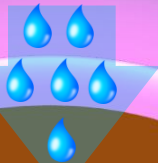
1-Germination control



2-Dispersal influence

(B) Abiotic constraints

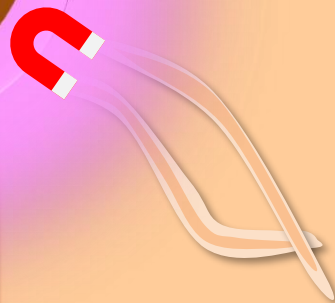
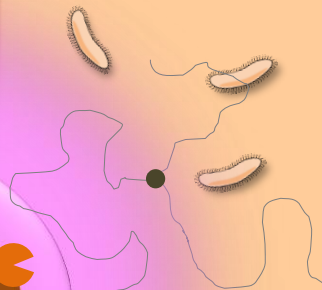
3-Water management



4-Soil remodeling

(C) Biotic constraints

5-Microbial control



6-Nematode attraction

Radicle

Seed coat
or
Fruit
pericarp

Enhancement of seedling establishment and development

Figure 5: Global overview of seed (or fruit) mucilage major ecological functions facing environmental constraints.