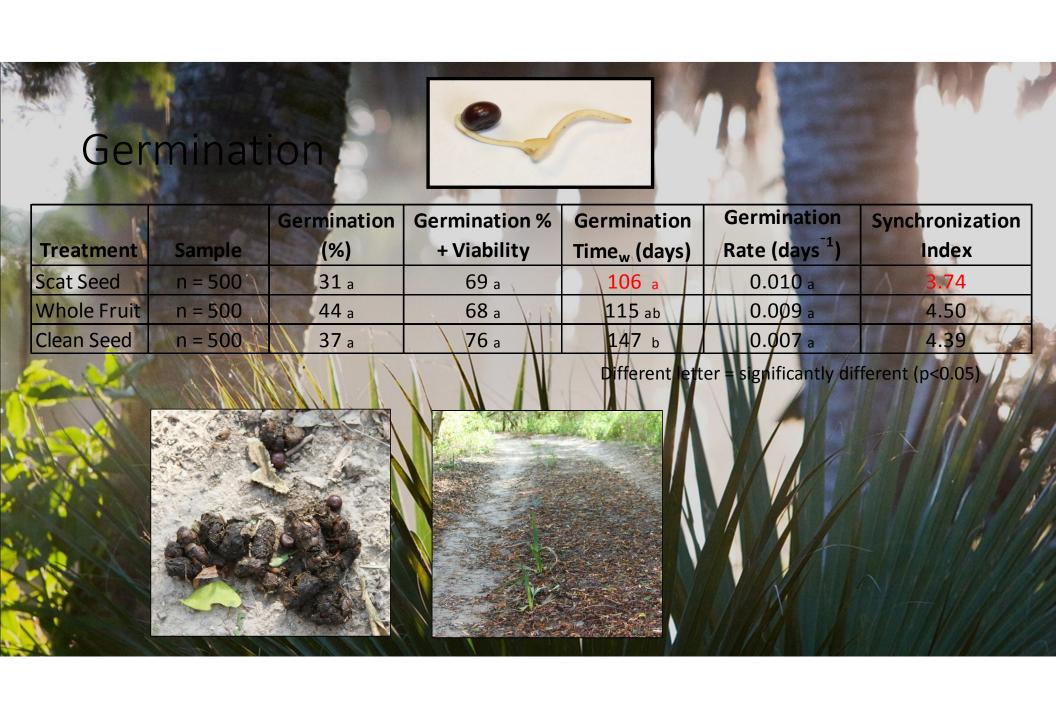
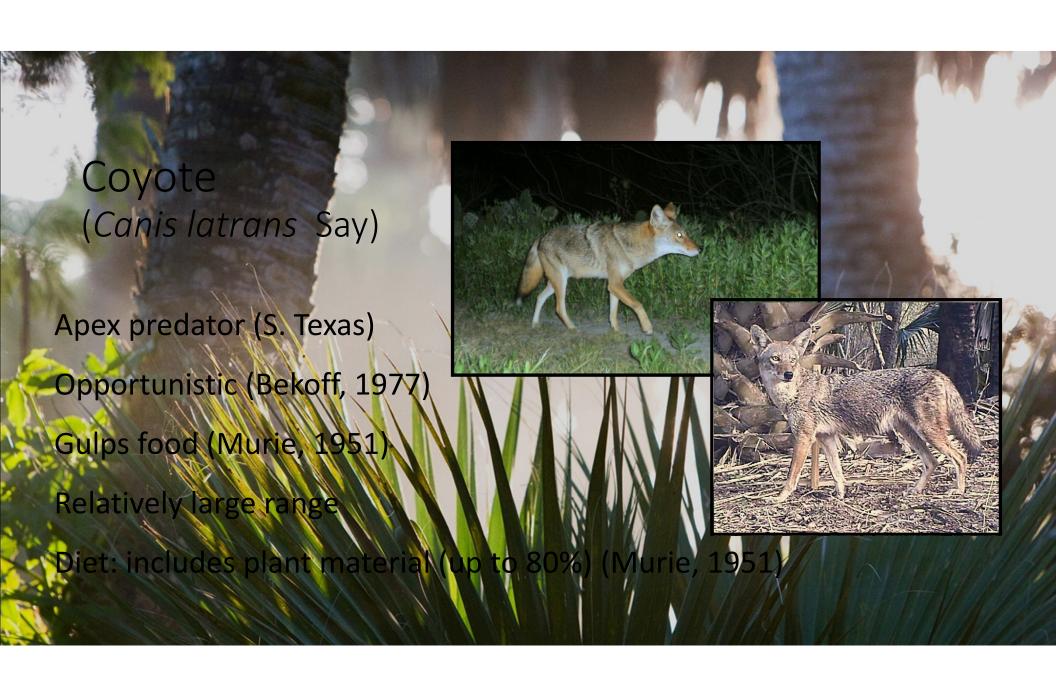


## Intensity of bruchid beetle Infestation Infestation 150 Cumulative % 100 50 Day 1 Day 2 Day 3 Day 4 Day 5 Day 6 Day 7 Day 8 Day 9 Day 10 Day 11 Day 12 → Forest ← Edge ← UTB Parking 1.0 mm







## Conclusions

Palm seed predators = raccoon, rodents, bruchid beetle, chachalaca?

The totality of exposed seeds is predated in 3-9 days. Seeds in scat are

not predated.

legitimate (viable seeds found in scats) Coyotes - dispersers - effective (germination faster, more synchronized) indirectly efficient (seeds deposited on open ground, then carried by rain/wind)

Coyotes -> seed protectors = seeds in scat protected for weeks from predators, and transported away from high predator concentration

Significant natural propagation and palm forest regeneration/expansion unlikely coyote's balancing in

Mexico

