neonicotinoid signal grassland speciation trophic agricultural spatial honeyscale structure multiple dispersal urban impact niche habitat pesticide environmental biodiversity abundance foraging trophic agricultural spatial honeyscale colony ecologicalecosystem change complex specialization landscape commun nteraction function quality floral pollinator bee trait decline isolation human social conservation partner, nest genus biology fruit network service web ratio growth lerility and the population seeding system seedling system tropical nectary pollination production elation production elation tube mast ovule breeding cross pollen set nectar stigma bat yield class paternity reproduction pollinate family size morph oviposition selffly evolution removal damage outcrossing reproductive low successallocation genetic character fertilization petal phylogeny inbreeding inflorescence single competition achene compatible experimental dimorphism sterility efficiency selective parameter controlled vegetative angiosperm