

*Rey et al., 2021 Front. Eco. Evol. – Persistence of seed dispersal in agroecosystems: effects of landscape modification and intensive soil management practices in avian frugivores, frugivory and seed deposition in olive croplands*

## DATASET

[manag\\_land\\_data.xlsx](#)

Data from soil management practices and landscape simplification associated from each olive farm.

Variables:

- **locality:** name of each study sites (each locality shows two paired olive farms).
- **orchard\_code:** unique code to be assigned to each olive grove (see details in Table 1S)
- **ground\_management:** ground herb cover management category of each olive farm (levels: “intensive”, “low-intensity”; see Methods in Rey et al., 2021).
- **olive\_grove\_cover:** percentage of olive grove cover associated of olive farm buffer (1 km radius); see Methods in Rey et al., 2021).
- **SNWH:** level of seminatural woodland habitat per locality (levels: “Low SNWH”, “Intermediate SNWH”, “High SNWH”; see Methods in Rey et al., 2021).

## DATASET

[frug\\_birds\\_data.xlsx](#)

Data from abundance and richness estimated as the mean number of fruit-eating birds recorded across monthly surveys in each census station.

Variables:

- **orchard\_code:** unique code to be assigned to each olive grove (see details in Table 1S)
- **census\_station:** unique code to be assigned to each permanent census stations. 10 stations (6 in the olive fields and 4 in SNWH patches) in large olive farms (> 25 ha) and 6 stations (4 in olive fields and 2 in SNWH patches) in small farms (< 25 ha, typically less than 10 ha).
- **habitat:** habitat in which the birds have been surveyed (levels: “SNWH\_patches”, “olive\_field”; see Methods in Rey et al., 2021).
- **bird\_abun:** abundance estimated as the mean number of fruit-eating birds recorded across monthly surveys per census station.
- **bird\_rich:** richness estimated as the mean number of fruit-eating birds recorded across monthly surveys per census station.

This dataset is linked to results showed in Table 2S.

# DATASET

[droppings\\_data.xlsx](#)

Data from three descriptors of the frugivory intensity: the proportion of the mist-netted frugivore species with seeds in their droppings, the abundance of seeds per each dropping (including droppings without seeds) of fruit-eating birds and the seed species richness per dropping.

Variables:

- **orchard\_code:** unique code to be assigned to each olive grove (see details in Table 1S)
- **bird\_station:** XXXX
- **habitat:** habitat in which the birds have been captured (levels: “SNWH\_patches”, “olive\_field”; see Methods in Rey et al., 2021).
- **species:** frugivorous species dispersers in farms
- **ring:** unique code of metal ring for each bird
- **month:** months which we conducted bird mist-netting sessions in the study olive farms
- **seed\_occur:** proportion of the mist-netted frugivore species with seeds in their droppings
- **seed\_abun:** abundance of seeds per each dropping (including droppings without seeds) of fruit-eating birds
- **seed\_rich:** seed species richness per dropping.

This dataset is linked to results showed in Table 3S.

# DATASET

[seed\\_traps\\_data.xlsx](#)

Data associated to the probability of seed deposition into different olive farm habitats.

Variables:

- **orchard\_code:** unique code to be assigned to each olive grove (see details in Table 1S)
- **seed\_trap\_code:** unique seed fall trap code within each olive farm.
- **trap\_habitat:** seed fall trap locations. Concretely, olive\_field (beneath the canopy of olive trees within the olive field), perch (beneath the canopy of isolated non-olive trees serving as perches to birds) and SNWH\_patches (within SNWH remnants). See details of traps locations in Figure 1 where we show an example with a real olive farm from our study.
- **seed\_occurrence:** seed occurrence in seed fall traps [1: presence of seed(s); 0: absence of seed(s)]
- **seed\_abun:** seed abundance collected per seed fall trap across period of collect.
- **seed\_rich:** species richness collected by seed fall trap.
- **species:** The rest of the columns (From G to AN) of the excel refer to the collected seeds of each fleshy-fruited species. Note that the last nine species were unknown species.

This dataset is linked to results showed in Table 4S.