Fig. 1

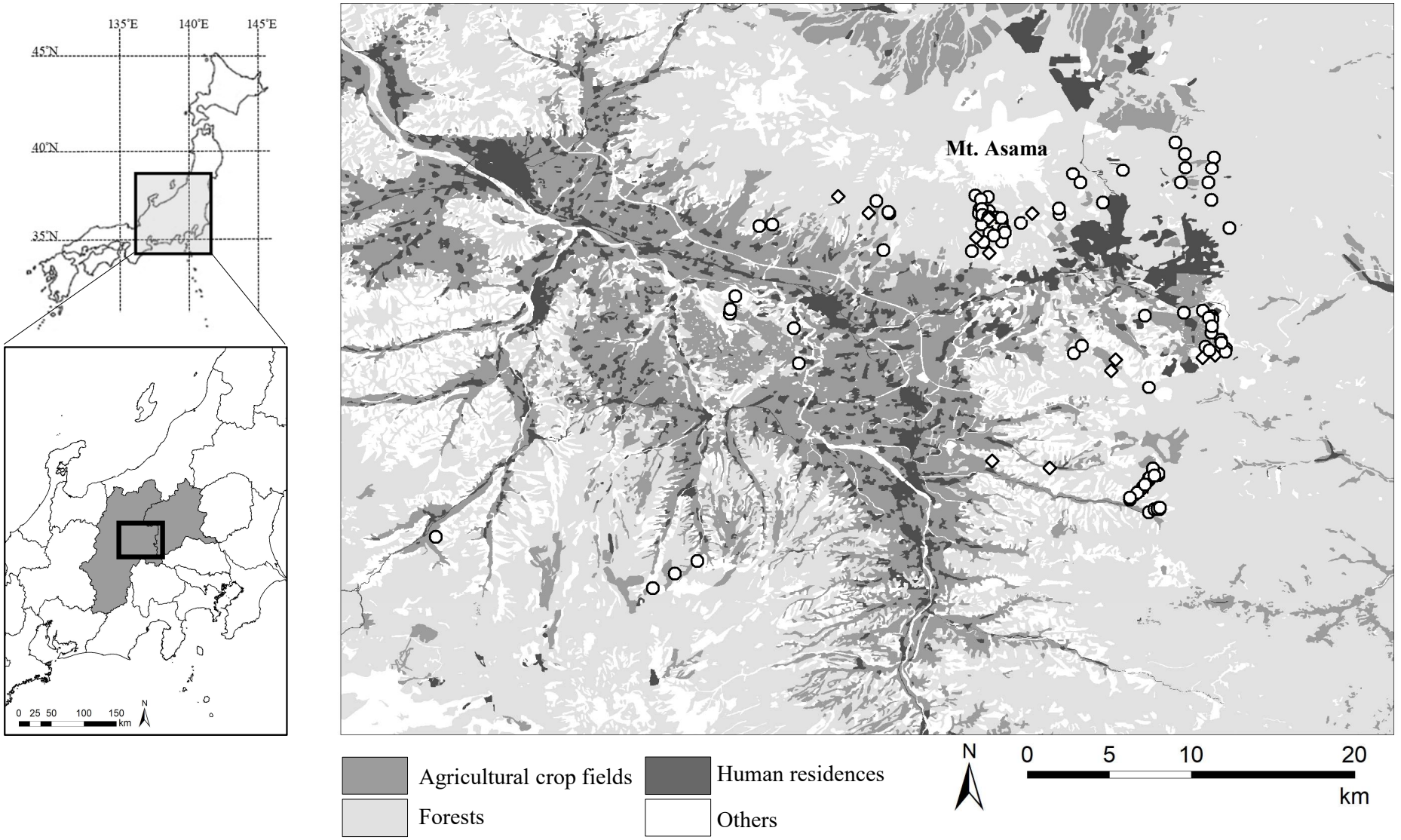
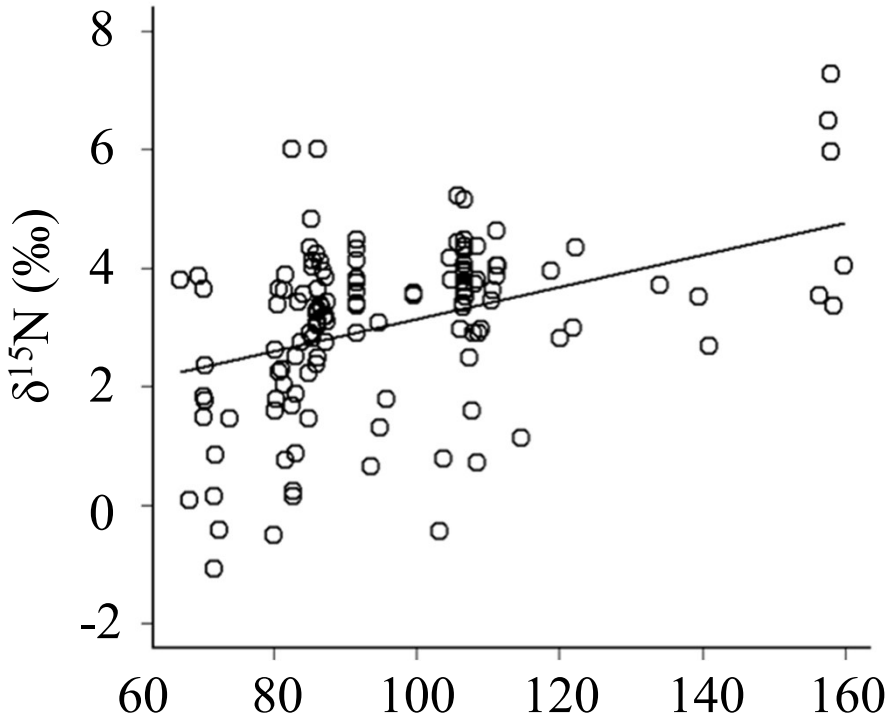

135°E
140°E
145°E
45°N
40°N
35°N
0 25 50 100 150 km
N
Mt. Asama
Agricultural crop fields
Forests
Human residences
Others
N
0 5 10 20
km

Fig. 2

a) female



b) male

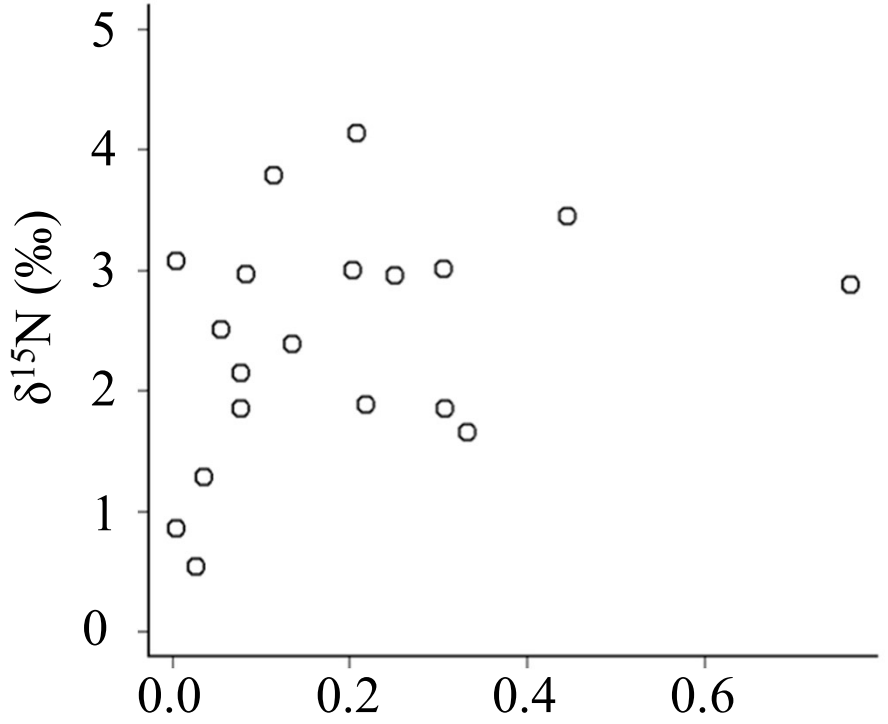
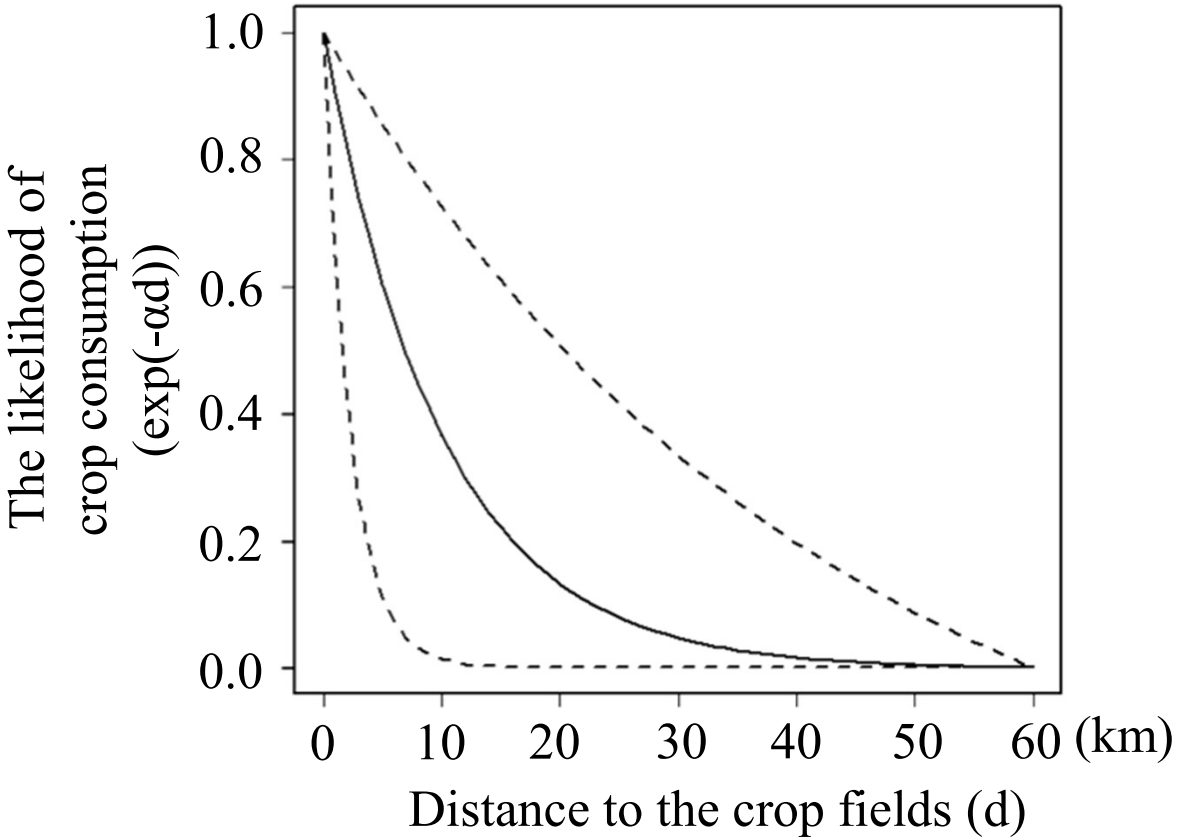


Fig. 3


The likelihood of crop consumption (exp(-αd))
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
50
60 (km)
Distance to the crop fields (d)