|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Pastoral unit | M3 | M4 | M5 | M6 | M7 | C4 | D1 |
| Flock size | 1,700 | 800 | 2 flocks of 120 | 700 | 850 | 1,800-2,000 | 1,000 |
| Human surveillance | Full-time shepherd | Full-time farmer and auxiliary shepherd | Full-time farmer and shepherd | Full-time farmer | Full-time shepherd | Occasional visits from the farmer and daily visit from the shepherd | Full-time shepherd |
| LGD breed | Pyrenean mountain dogs | None | Pyrenean mountain dogs | Pyrenean mountain dogs | Pyrenean mountain dogs | Cross-breed:Pyrenean x Anatolian shepherd dogs; Anatolian shepherd dogs | Pyrenean mountain dogs |
| Flock husbandry  | Guarded | Guarded | Guarded | Guarded | Guarded | Free-range, initially guided | Guarded |
| Elevation (m a.s.l.) | 1,500-2,000 | 1,500-2,000 | 1,900-2,300 | 1,600-2,400 | 1,400-2,200 | 900-1,400 | 1,300-1,900 |
| Habitat | Meadows with deciduous and coniferous woodland | Meadows and larch forest | Meadows and larch forest | Meadows with deciduous and coniferous woodland | Meadows with deciduous and coniferous woodland | Woodland and shrubland growing on acid soil | Meadows with deciduous and coniferous woodland |
| Equipment | 1 mountain hut, 1 enclosure for sorting sheep and care, water troughs | 1 mountain hut, 1 enclosure for sorting sheep and care, water troughs | 1 mountain hut, 1 enclosure for sorting sheep and care | 1 mountain hut, 1 enclosure for sorting sheep and care, water troughs | 2 mountain huts, 1 enclosure for sorting sheep and care, water troughs | Water troughs | 1 mountain hut, 1 enclosure for sorting sheep and care, water troughs |
| Sheep protection methods | 5 LGDs, completely closed night pen | Completely closed night pen, fladry and light deterrents | 2x2 LGDs, 2 completely closed night pens | 5 LGDs, completely closed night pen | 3 LGDs, completely closed night pen | 10-12 LGDs, flock gathered but not enclosed at night | 4 LGDs, completely closed night pen |
| Access | Walking trail | Walking trail | Road (vehicle) | Walking trail | Road (vehicle) + walking trail | Road (vehicle) | Road (vehicle) |
| Monitoring period | July 2013 | September 2014 | September 2015 | September 2015 | September 2015 | June 2015 | July-October 2018 |

**Table S1**. Characteristics of the seven less intensively-monitored mountainous extensive-grazing units in and around the Mercantour National Park (M3-M7), on the Canjuers Plateau (C4) and in the Drôme (D1), France.