

THREAT:

Afforestation of pasture / fallow (9)

Increasing habitat homogeneity (9)

Land abandonment / reduced management (7.5)

Intensification of grassland management (7.5)

1 Research to understand optimal Roller habitat (for each country)

2 Influence CAP 2020 (and national agricultural policy in non-EU countries), using e.g. CMS platform

3 Prepare (local) best-practice agri-environment schemes

4 Prepare (local) best-practice habitat management plans

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THREAT:

Decreased food availability (9)

1 Use supplementary feeding during spells of bad weather

2 Test effectiveness of 'substrate' supplementation (manure, sawdust, wood piles, grazing livestock)

3 Provide piles of dead wood and sawdust in (forest) Roller territories

4 Encourage foresters to leave deadwood standing

5 Leave some clear-cuts near Roller territories unplanted to naturally regenerate (to maintain open areas for foraging)

6 In protected forests, encourage maintenance of open areas near Roller territories, through controlled burning or cutting

7 Supply perches in open areas to provide increased foraging opportunities

8 Mow strips in grassland to promote vegetation mosaic and increase prey accessibility

THREAT:

Climatic condition (9)

1 Use supplementary feeding during spells of bad weather

2 Consider nest-box design with better thermal insulation

3 Test insulative properties of natural tree cavities, and consider maintaining / creating them

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THREAT:

Logging of used / suitable trees (8)

Intensification of forest management leading to loss of old trees (8)

1 Mark nest trees with paint so they can be identified by foresters

2 Influence forest management plans to leave nest trees un-felled

3 Raise awareness among foresters / farmers / public

4 Ensure forest management plans are correctly implemented

5 Introduce compensation scheme for owners of private forests to promote protection of nest trees (as part of EU forestry subsidies?)

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THREAT:

Natural predation (8)

- 1 Produce best-practice guide for predator-safe nest-boxes (e.g. Austrian metal plate design, correct hole size, plastic around tree trunk)
- 2 Test best-practices for predator-safe nest-boxes
- 3 Promote knowledge exchange across all levels, for example by considering workshops / meetings as part of any major project

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THREAT:

***Mortality during migration / over winter (8)**

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THREAT:

Insecticide use (5)

1 Encourage use of biocides which do not affect potential Roller prey

2 Encourage use of biological, rather than chemical control

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