

Report on the main results of the surveillance under article 11 for annex II, IV and V species (Annex B)

0.1 Member State	HU
0.2.1 Species code	2285
0.2.2 Species name	Colchicum arenarium
0.2.3 Alternative species scientific name	N/A
0.2.4 Common name	homoki kikerics

1. National Level

1.1 Maps

1.1.1 Distribution Map	Yes
1.1.1a Sensitive species	No
1.1.2 Method used - map	Estimate based on partial data with some extrapolation and/or modelling (2)
1.1.3 Year or period	2007-2012
1.1.4 Additional map	No
1.1.5 Range map	Yes

2. Biogeographical Or Marine Level

2.1 Biogeographical Region

Pannonian (PAN)

2.2 Published sources

Persson, K. 2007. Nomenclatural synopsis of the genus *Colchicum* (Colchicaceae), with some new species and combinations. *Bot. Jahrb. Syst.* 127(2):165–242.

Karin Persson, Gitte Petersen, Alberto del Hoyo, Ole Seberg & Tina Jørgensen 2011. A phylogenetic analysis of the genus *Colchicum* L. (Colchicaceae) based on sequences from six plastid regions. *TAXON* 60 (5) October 1349–1365

Bérces S., (2011): A biodiverzitás monitorozása homoki élőhelyeken a Duna-Ipoly Nemzeti Park Igazgatóság területén. *Természetvédelem és kutatás a Duna-Tisza közti homokhátságon Rosalia* 6, pp. 447–471.

A Nemzeti Biodiverzitás-monitorozó Rendszer keretében 2007-2012 között végzett felmérések kutatási jelentései

2.3 Range

2.3.1 Surface area - Range (km ²)	5497
2.3.2 Method - Range surface area	Complete survey/Complete survey or a statistically robust estimate (3)
2.3.3 Short-term trend period	2001-2012
2.3.4 Short-term trend direction	stable (0)
2.3.5 Short-term trend magnitude	min max
2.3.6 Long-term trend period	
2.3.7 Long-term trend direction	N/A
2.3.8 Long-term trend magnitude	min max
2.3.9 Favourable reference range	area (km ²) operator more than (>) unkown No method
2.3.10 Reason for change	Improved knowledge/more accurate data

2.4 Population

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2.4.1 Population size (individuals or agreed exception)	Unit	number of individuals (i)		
	min	3735000	max	7350000
2.4.2 Population size (other than individuals)	Unit	N/A		
	min		max	
2.4.3 Additional information	Definition of locality Conversion method Problems			
2.4.4 Year or period	2007-2012			
2.4.5 Method – population size	Complete survey/Complete survey or a statistically robust estimate (3)			
2.4.6 Short-term trend period	2001-2012			
2.4.7 Short term trend direction	decrease (-)			
2.4.8 Short-term trend magnitude	min		max	confidence interval
2.4.9 Short-term trend method	Estimate based on partial data with some extrapolation and/or modelling (2)			
2.4.10 Long-term trend period				
2.4.11 Long term trend direction	N/A			
2.4.12 Long-term trend magnitude	min		max	confidence interval
2.4.13 Long-term trend method	N/A			
2.4.14 Favourable reference population	number			
	operator	more than (>)		
	unknown	No		
	method			
2.4.15 Reason for change	Genuine Improved knowledge/more accurate data			

2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km ²)	57
2.5.2 Year or period	2007-2012
2.5.3 Method used - habitat	Complete survey/Complete survey or a statistically robust estimate (3)
2.5.4 a) Quality of habitat	Moderate
2.5.4 b) Quality of habitat - method	szukcesszió, területhasználat (nem megfelelő gyephasználat, mesterséges erdőfelújítás), inváziós fajok, védettség
2.5.5 Short term trend period	2001-2012
2.5.6 Short term trend direction	decrease (-)
2.5.7 Long-term trend period	
2.5.8 Long term trend direction	N/A
2.5.9 Area of suitable habitat (km ²)	100
2.5.10 Reason for change	Genuine Improved knowledge/more accurate data

2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
abandonment of pastoral systems, lack of grazing (A04.03)	medium importance (M)	N/A
modification of cultivation practices (A02)	medium importance (M)	N/A
intensive mowing or intensification (A03.01)	medium importance (M)	N/A
intensive grazing (A04.01)	high importance (H)	N/A
Forest and Plantation management & use (B02)	high importance (H)	N/A
Sand and gravel extraction (C01.01)	low importance (L)	N/A

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Urbanised areas, human habitation (E01)	low importance (L)	N/A
Industrial or commercial areas (E02)	low importance (L)	N/A
Discharges (E03)	low importance (L)	N/A
roads, motorways (D01.02)	medium importance (M)	N/A
Biocenotic evolution, succession (K02)	medium importance (M)	N/A
accumulation of organic material (K02.02)	medium importance (M)	N/A
invasive non-native species (I01)	medium importance (M)	N/A
anthropogenic reduction of habitat connectivity (J03.02)	high importance (H)	N/A
Changes in abiotic conditions (M01)	high importance (H)	N/A
reduced fecundity/ genetic depression (K05)	medium importance (M)	N/A
reduction or loss of specific habitat features (J03.01)	high importance (H)	N/A

2.6.1 Method used – pressures based exclusively or to a larger extent on real data from sites/occurrences or other

2.7 Main Threats

Threat	ranking	pollution qualifier(s)
abandonment of pastoral systems, lack of grazing (A04.03)	medium importance (M)	N/A
modification of cultivation practices (A02)	medium importance (M)	N/A
intensive mowing or intensification (A03.01)	medium importance (M)	N/A
intensive grazing (A04.01)	high importance (H)	N/A
Forest and Plantation management & use (B02)	high importance (H)	N/A
Urbanised areas, human habitation (E01)	low importance (L)	N/A
Industrial or commercial areas (E02)	low importance (L)	N/A
Discharges (E03)	low importance (L)	N/A
roads, motorways (D01.02)	low importance (L)	N/A
Biocenotic evolution, succession (K02)	medium importance (M)	N/A
accumulation of organic material (K02.02)	medium importance (M)	N/A
invasive non-native species (I01)	medium importance (M)	N/A
fire and fire suppression (J01)	low importance (L)	N/A
anthropogenic reduction of habitat connectivity (J03.02)	high importance (H)	N/A
reduced fecundity/ genetic depression (K05)	medium importance (M)	N/A
Changes in abiotic conditions (M01)	high importance (H)	N/A
reduction or loss of specific habitat features (J03.01)	high importance (H)	N/A

2.7.1 Method used – threats expert opinion (1)

2.8 Complementary Information

2.8.1 Justification of % thresholds for trends

2.8.2 Other relevant Information

2.8.3 Trans-boundary assessment

2.9 Conclusions (assessment of conservation status at end of reporting period)

2.9.1 Range assessment Inadequate (U1)
qualifiers stable (=)

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2.9.2. Population	assessment Inadequate (U1) qualifiers stable (=)
2.9.3. Habitat	assessment Inadequate (U1) qualifiers stable (=)
2.9.4. Future prospects	assessment Inadequate (U1) qualifiers stable (=)
2.9.5 Overall assessment of Conservation Status	Inadequate (U1)
2.9.5 Overall trend in Conservation Status	stable (=)

3. Natura 2000 coverage and conservation measures - Annex II species

3.1 Population

3.1.1 Population Size	Unit number of individuals (i) min 3600000 max 7050000
3.1.2 Method used	Complete survey/Complete survey or a statistically robust estimate (3)
3.1.3 Trend of population size within	N/A

3.2 Conversation Measures

3.2.1 Measure	3.2.2 Type	3.2.3 Ranking	3.2.4 Location	3.2.5 Broad Evaluation
Other species management measures (7.0)	Recurrent	medium importance (M)	Both	Long term
Establish protected areas/sites (6.1)	Legal One-off	low importance (L)	Outside	Maintain Enhance Long term
Other agriculture-related measures (2.0)	Administrative Contractual Recurrent	high importance (H)	Inside	Maintain Enhance
Maintaining grasslands and other open habitats (2.1)	Contractual Recurrent One-off	medium importance (M)	Outside	Maintain Long term
Adapt forest management (3.2)	Legal Administrative Recurrent	low importance (L)	Both	Maintain Enhance Long term

