

# 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	4098
0.2.2 Species name	<b>Iris humilis ssp. arenaria</b>
0.2.3 Alternative species scientific name	Iris arenaria
0.2.4 Common name	homoki nőszirm

## 1. National Level

### 1.1 Maps

1.1.1 Distribution Map	Yes
1.1.1a Sensitive species	No
1.1.2 Method used - map	Complete survey/Complete survey or a statistically robust estimate (3)
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	<b>Pannonian (PAN)</b>
2.2 Published sources	<p>Mészáros A., Simon P. (2009): Adatok Veszprém megye flórájához I. Kitaibelia 2009., Vol. 14. No. 1. 80 o.</p> <p>Bauer N. (2009): Florisztikai adatok a Bakonyból és a Bakonyaljáról IV. Kitaibelia 2009., Vol. 14. No. 1. 25 o.</p> <p>Természetvédelem és kutatás a Duna-Tisza közti homokhátságon (2011); Rosalia 6. kötet (A Duna-Ipoly Nemzeti Park Igazgatóság tanulmánykötetei)</p> <p>Schmidt D. &amp; Lengyel A. (2008): Adatok a Pannonhalmi-dombság flórájának ismeretéhez. Flora Pannonica 6.: 25-57.</p> <p>A Nemzeti Biodiverzitás-monitorozó Rendszer keretében 2007-2012 között végzett felmérések kutatási jelentései</p>

### 2.3 Range

2.3.1 Surface area - Range (km <sup>2</sup> )	8748
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 <sup>2</sup> ) operator approximately equal to (≈) unkown No method
2.3.10 Reason for change	Improved knowledge/more accurate dataUse of different method

### 2.4 Population

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2.4.1 Population size (individuals or agreed exception)	Unit	number of individuals (i)		
	min	700000	max	1000000
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	approximately equal to (≈)		
	unknown	No		
	method			
2.4.15 Reason for change	Genuine Improved knowledge/more accurate data Use of different method			

## 2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km <sup>2</sup> )	90
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	figyelembe vett tényezők: területhasználat, inváziós fertőzöttség, védettség, szukcessziós viszonyok
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 <sup>2</sup> )	130
2.5.10 Reason for change	Genuine Improved knowledge/more accurate data

## 2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
invasive non-native species (I01)	high importance (H)	N/A
Forest and Plantation management & use (B02)	high importance (H)	N/A
mowing / cutting of grassland (A03)	high importance (H)	N/A
intensive grazing (A04.01)	high importance (H)	N/A
anthropogenic reduction of habitat connectivity (J03.02)	high importance (H)	N/A
modification of cultivation practices (A02)	medium importance (M)	N/A

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grazing (A04)	medium importance (M)	N/A
Biocenotic evolution, succession (K02)	medium importance (M)	N/A
artificial planting on open ground (non-native trees) (B01.02)	medium importance (M)	N/A
damage by herbivores (including game species) (K04.05)	medium importance (M)	N/A
Changes in abiotic conditions (M01)	medium importance (M)	N/A
Sand and gravel extraction (C01.01)	medium importance (M)	N/A
Urbanised areas, human habitation (E01)	medium importance (M)	N/A
Industrial or commercial areas (E02)	medium importance (M)	N/A
Discharges (E03)	low importance (L)	N/A
roads, motorways (D01.02)	low importance (L)	N/A
walking, horseriding and non-motorised vehicles (G01.02)	low importance (L)	N/A
motorised vehicles (G01.03)	low importance (L)	N/A
Military manoeuvres (G04.01)	low importance (L)	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)
invasive non-native species (I01)	high importance (H)	N/A
intensive grazing (A04.01)	high importance (H)	N/A
anthropogenic reduction of habitat connectivity (J03.02)	high importance (H)	N/A
abandonment of pastoral systems, lack of grazing (A04.03)	high importance (H)	N/A
Forest and Plantation management & use (B02)	high importance (H)	N/A
artificial planting on open ground (non-native trees) (B01.02)	medium importance (M)	N/A
Changes in abiotic conditions (M01)	medium importance (M)	N/A
modification of cultivation practices (A02)	medium importance (M)	N/A
grazing (A04)	medium importance (M)	N/A
Urbanised areas, human habitation (E01)	medium importance (M)	N/A
motorised vehicles (G01.03)	medium importance (M)	N/A
Biocenotic evolution, succession (K02)	medium importance (M)	N/A
damage by herbivores (including game species) (K04.05)	medium importance (M)	N/A
intensive mowing or intensification (A03.01)	low importance (L)	N/A
Industrial or commercial areas (E02)	low importance (L)	N/A
roads, motorways (D01.02)	low importance (L)	N/A
walking, horseriding and non-motorised vehicles (G01.02)	low importance (L)	N/A
Military manoeuvres (G04.01)	low importance (L)	N/A
fire and fire suppression (J01)	low importance (L)	N/A
Hunting, fishing or collecting activities not referred to above (F06)	low importance (L)	N/A

2.7.1 Method used – threats expert opinion (1)

## 2.8 Complementary Information

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## 2.8.1 Justification of % thresholds for trends

## 2.8.2 Other relevant Information

A relatíve nagy egyedszámra és elterjedési területre vonatkozó adatok nem tükrözik az elterjedési területen belüli állománysűrűséget, illetve veszélyeztetettség jelentős inhomogenitását. A faj állományának legalább 90%-a az elterjedési terület 10%-át kitevő, nem túl kiterjedt központi "magterületre" (Turjánvidék) összpontosul. Az area fennmaradó részein a faj nem gyakori, ugyanakkor az itt élő, a központi magterülethez képest gyakran más adottságú élőhelyeket (középhegységi sziklagyepeket, lejtősztyeppréteket, nyírségi savanyú homoki gyepeket) elfoglaló, lényegesen veszélyeztetettebb populációk egyedszamarányuknál vélhetően jóval nagyobb hányadot képviselnek a faj teljes genetikai sokféleségéből.

## 2.8.3 Trans-boundary assessment

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

2.9.1 Range	assessment Favourable (FV) qualifiers N/A
2.9.2. Population	assessment Inadequate (U1) qualifiers declining (-)
2.9.3. Habitat	assessment Inadequate (U1) qualifiers declining (-)
2.9.4. Future prospects	assessment Inadequate (U1) qualifiers declining (-)
2.9.5 Overall assessment of Conservation Status	Inadequate (U1)
2.9.5 Overall trend in Conservation Status	declining (-)

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

### 3.1 Population

3.1.1 Population Size	Unit number of individuals (i) min 540000 max 800000
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
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 Long term
Maintaining grasslands and other open habitats (2.1)	Legal Administrative Contractual Recurrent	high importance (H)	Inside	Maintain Enhance Long term

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Other measures (8.0)	Administrative Recurrent	medium importance (M)	Inside	Maintain
Other species management measures (7.0)	Recurrent	medium importance (M)	Both	Long term

