

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

0.1 Member State	IT
0.2.1 Species code	1871
0.2.2 Species name	<i>Leucojum nicaeense</i>
0.2.3 Alternative species scientific name	N/A
0.2.4 Common name	N/A

## 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	2012
1.1.4 Additional map	No
1.1.5 Range map	Yes

## 2. Biogeographical Or Marine Level

### 2.1 Biogeographical Region

### 2.2 Published sources

#### Mediterranean (MED)

The present species assessment (fields 0.1-2.9) has been compiled by Stefania Ercole and Valeria Giacanelli (Institute for Environmental Protection and Research - ISPRA).

CONTI F., ABBATE G., ALESSANDRINI A., BLASI C., (Eds.) 2005 - An annotated Checklist of the Italian Vascular Flora. Palombi Editori, Roma.

CONTI F., MANZI A., PEDROTTI F., 1997 - Liste Rosse Regionali delle Piante d'Italia. WWF Italia. Società Botanica Italiana. Università di Camerino. Camerino. 139 pp.

CRESTA P., MARTINI E., 1990 - Segnalazioni Floristiche Italiane: 550. *Leucojum nicaeense* Arduino (Amaryllidaceae). Inform. Bot. Ital., 20 (2-3) (1988): 665.

MARTINI E., 1984 - Lineamenti geobotanici delle Alpi Liguri e Marittime: endemismi e fitocenosi. Lav. Soc. Ital. Biogeogr., n.s., 9 (1982): 51-134.

MORALDO B., 2001 - *Leucojum nicaeense*. In: Pignatti S., Menegoni P., Giacanelli V. (eds.), Liste rosse e blu della flora italiana: 210-211. ANPA, Roma.

PIGNATTI S., 1982 - Flora d'Italia, voll. 1-3. Edagricole, Bologna.

REGIONE LIGURIA, 2008 - Carta della Biodiversità. [www.ambienteinliguria.it](http://www.ambienteinliguria.it)

ROSSI G., MONTAGNANI C., GARGANO D., PERUZZI L., ABELI T., RAVERA S., COGONI A., FENU G., MAGRINI S., GENNAI M., FOGGI B., WAGENSOMMER R.P., VENTURELLA G., BLASI C., RAIMONDO F.M., ORSENIGO S. (Eds.), 2013 - Lista Rossa della Flora Italiana. 1. Policy Species e altre specie minacciate. Comitato Italiano IUCN; Ministero dell'Ambiente e della Tutela del Territorio e del Mare.

SCOPPOLA A., SPAMPINATO G. (eds.), 2005 - Atlante delle specie a rischio di estinzione. Versione 1.0. CD-Rom enclosed to the volume: SCOPPOLA A., BLASI C. (eds.), Stato delle conoscenze sulla flora vascolare d'Italia. Palombi Editori. Roma.

SOCIETÀ BOTANICA ITALIANA, 2012. Valutazione nazionale della categoria di rischio di estinzione per specie vegetali di pregio e di interesse conservazionistico. Ministero dell'Ambiente e della Tutela del Territorio e del Mare, Società Botanica Italiana (dati inediti).

### 2.3 Range

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2.3.1 Surface area - Range (km <sup>2</sup> )	100		
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	more than (>)	
	unknown	No	
	method	Expert judgment	
2.3.10 Reason for change	Use of different method		

## 2.4 Population

2.4.1 Population size (individuals or agreed exception)	Unit	N/A		
	min		max	
2.4.2 Population size (other than individuals)	Unit	number of localities (localities)		
	min	1	max	1
2.4.3 Additional information	Definition of locality	localities= sites where the presence of the species is confirmed		
	Conversion method			
	Problems	no data available for the number of individuals		
2.4.4 Year or period	2008-2012			
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	unknown (x)			
2.4.8 Short-term trend magnitude	min		max	confidence interval
2.4.9 Short-term trend method	Absent data (0)			
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	Expert judgment		
2.4.15 Reason for change	Use of different method			

## 2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km <sup>2</sup> )	
2.5.2 Year or period	
2.5.3 Method used - habitat	Absent data (0)
2.5.4 a) Quality of habitat	Moderate
2.5.4 b) Quality of habitat - method	expert based
2.5.5 Short term trend period	2001-2012
2.5.6 Short term trend direction	unknown (x)

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2.5.7 Long-term trend period	N/A
2.5.8 Long term trend direction	
2.5.9 Area of suitable habitat (km <sup>2</sup> )	
2.5.10 Reason for change	

## 2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
temperature changes (e.g. rise of temperature & extremes) (M01.01)	low importance (L)	N/A
Biocenotic evolution, succession (K02)	medium importance (M)	N/A

2.6.1 Method used – pressures	based only on expert judgements (1)
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## 2.7 Main Threats

Threat	ranking	pollution qualifier(s)
temperature changes (e.g. rise of temperature & extremes) (M01.01)	low importance (L)	N/A
Biocenotic evolution, succession (K02)	medium importance (M)	N/A
reduced fecundity/ genetic depression in plants (incl. endogamy) (K05.02)	medium importance (M)	N/A
invasive non-native species (I01)	medium importance (M)	N/A

2.7.1 Method used – threats	expert opinion (1)
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## 2.8 Complementary Information

2.8.1 Justification of % thresholds for trends

2.8.2 Other relevant Information Italian Red List (2012): CR. Assessment criteria: B2ab(iii), C2a(ii).

Unpublished source: SOCIETÀ BOTANICA ITALIANA, 2012. Valutazione nazionale della categoria di rischio di estinzione per specie vegetali di pregio e di interesse conservazionistico. Ministero dell'Ambiente e della Tutela del Territorio e del Mare, Società Botanica Italiana.

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 (=)
2.9.2. Population	assessment Bad (U2) qualifiers declining (-)
2.9.3. Habitat	assessment Inadequate (U1) qualifiers unknown (x)
2.9.4. Future prospects	assessment Inadequate (U1) qualifiers declining (-)
2.9.5 Overall assessment of Conservation Status	Bad (U2)
2.9.5 Overall trend in Conservation Status	declining (-)

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

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3.1 Population				
3.1.1 Population Size	Unit	N/A		
	min		max	
3.1.2 Method used	Absent data (0)			
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
No measure known/ impossible to carry out specific measures (1.3)		( )		

**Species name: *Leucojum nicaeense* (1871)**

Field label	Note	User
1.1.1 Distribution Map	Data sources: SOCIETÀ BOTANICA ITALIANA, 2012. Valutazione nazionale della categoria di rischio di estinzione per specie vegetali di pregio e di interesse conservazionistico. Ministero dell'Ambiente e della Tutela del Territorio e del Mare, Società Botanica Italiana (dati inediti). REGIONE LIGURIA (Raccolta dati per articolo 17, 2012).	ISPRA_F LORA