

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

NATIONAL LEVEL

1. General information

1.1 Member State	HU
1.2 Species code	1060
1.3 Species scientific name	<i>Lycaena dispar</i>
1.4 Alternative species scientific name	
1.5 Common name (in national language)	nagy túzlepke

2. Maps

2.1 Sensitive species	No
2.2 Year or period	2010-2018
2.3 Distribution map	Yes
2.4 Distribution map Method used	Based mainly on extrapolation from a limited amount of data
2.5 Additional maps	No

3. Information related to Annex V Species (Art. 14)

3.1 Is the species taken in the wild/exploited?	No	
3.2 Which of the measures in Art. 14 have been taken?	a) regulations regarding access to property	No
	b) temporary or local prohibition of the taking of specimens in the wild and exploitation	No
	c) regulation of the periods and/or methods of taking specimens	No
	d) application of hunting and fishing rules which take account of the conservation of such populations	No
	e) establishment of a system of licences for taking specimens or of quotas	No
	f) regulation of the purchase, sale, offering for sale, keeping for sale or transport for sale of specimens	No
	g) breeding in captivity of animal species as well as artificial propagation of plant species	No
	h) other measures	No

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3.3 Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish)

a) Unit

b) Statistics/ quantity taken	Provide statistics/quantity per hunting season or per year (where season is not used) over the reporting period					
	Season/ year 1	Season/ year 2	Season/ year 3	Season/ year 4	Season/ year 5	Season/ year 6
Min. (raw, ie. not rounded)						
Max. (raw, ie. not rounded)						
Unknown	No	No	No	No	No	No

3.4. Hunting bag or quantity taken in the wild Method used

3.5. Additional information

BIOGEOGRAPHICAL LEVEL

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs

Pannonian (PAN)

4.2 Sources of information

<https://www.izeltlabuak.hu/faj/nagy-tuzlepke/talalatok> (Licece: CC BY 4.0)
Haraszthy L. (szerk.) (2014): Natura 2000 fajok és élőhelyek Magyarországon. ProVértés Közalapítvány, Csákvár, 955 pp. A Nemzeti Biodiverzitás-monitorozó Rendszer 2013-2018 időszakban végzett felméréseinek jelentései
Natura 2000 fenntartási tervek megalapozó adatai
http://stvsz.com/wp-content/uploads/2017/07/vedett_allatfajok_elterjedesi_atlasza_2016_dig.pdf
Gergely P., Górné Á., Hudák T., Ilonczai Z., Szombathelyi E. (2017): Nappali lepkéink – Határozó terepre és természetfotókhoz / A Field Guide to the Butterflies of Hungary. Kitaibel Kiadó, pp. 1-264.
VOZÁR Á., KOCSIS M. (2014): Védett lepkefajok előfordulásai, állományai a Heves–Borsodi-dombság területén. – In: DICZHÁZI I. & SCHMOTZER A. (eds): Apoka. A Heves–Borsodi-dombság és az Upponyi-hegység élővilága. Bükk Nemzeti Park Igazgatóság, Eger, pp., 105-122 pp.
KOZMA P. (2014): Adatok a Hevesi-sík nagylepkefaunájának ismeretéhez (Macrolepidoptera). – In: SCHMOTZER A. (eds): Szikfok. Dél-hevesi tanulmányok. Bükk Nemzeti Park Igazgatóság, Eger, pp., 97-116 pp.
Tallósi B. (2015) – A nagy tűzlepke (*Lycaena dispar rutila* (Werneburg, 1864)) egyedeire és élőhelyére vonatkozó monitoring vizsgálatok eredményei. A Pásztópuszta pannon szikes gyepek helyreállítása és megőrzése fenntartható gazdálkodási módszerekkel (LIFE 10 NAT HU/000018) című projekt keretében; A puszta, Vol.: 25; pp.: 79-91

5. Range

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6.13 Long-term trend Magnitude

- a) Minimum
- b) Maximum
- c) Confidence interval

6.14 Long-term trend Method used

6.15 Favourable reference population (using the unit in 6.2 or 6.4)

- a) Population size
- b) Operator Approximately equal to (\approx)
- c) Unknown
- d) Method

6.16 Change and reason for change in population size

- Improved knowledge/more accurate data
- Use of different method
- The change is mainly due to: Use of different method

6.17 Additional information

7. Habitat for the species

7.1 Sufficiency of area and quality of occupied habitat

- a) Are area and quality of occupied habitat sufficient (for long-term survival)? Yes
- b) Is there a sufficiently large area of unoccupied habitat of suitable quality (for long-term survival)?

7.2 Sufficiency of area and quality of occupied habitat Method used

Based mainly on extrapolation from a limited amount of data

7.3 Short-term trend Period

2007-2018

7.4 Short-term trend Direction

Uncertain (u)

7.5 Short-term trend Method used

Based mainly on extrapolation from a limited amount of data

7.6 Long-term trend Period

7.7 Long-term trend Direction

7.8 Long-term trend Method used

7.9 Additional information

8. Main pressures and threats

8.1 Characterisation of pressures/threats

Pressure	Ranking
Conversion from one type of agricultural land use to another (excluding drainage and burning) (A02)	H
Abandonment of grassland management (e.g. cessation of grazing or mowing) (A06)	M
Intensive grazing or overgrazing by livestock (A09)	M
Modification of hydrological flow or physical alteration of water bodies for agriculture (excluding development and operation of dams) (A33)	M

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Other invasive alien species (other than species of Union concern) (I02)	M
Drainage (K02)	M
Modification of hydrological flow (K04)	H
Natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices) (L02)	M
Droughts and decreases in precipitation due to climate change (N02)	H

Threat	Ranking
Conversion from one type of agricultural land use to another (excluding drainage and burning) (A02)	H
Abandonment of grassland management (e.g. cessation of grazing or mowing) (A06)	M
Intensive grazing or overgrazing by livestock (A09)	M
Modification of hydrological flow or physical alteration of water bodies for agriculture (excluding development and operation of dams) (A33)	M
Other invasive alien species (other than species of Union concern) (I02)	M
Drainage (K02)	M
Modification of hydrological flow (K04)	H
Natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices) (L02)	M
Droughts and decreases in precipitation due to climate change (N02)	H

8.2 Sources of information

8.3 Additional information

9. Conservation measures

9.1 Status of measures

- a) Are measures needed? Yes
- b) Indicate the status of measures Measures identified and taken

9.2 Main purpose of the measures taken

Maintain the current range, population and/or habitat for the species

9.3 Location of the measures taken

Both inside and outside Natura 2000

9.4 Response to the measures

Medium-term results (within the next two reporting periods, 2019-2030)

9.5 List of main conservation measures

Prevent conversion of natural and semi-natural habitats, and habitats of species into agricultural land (CA01)

Maintain existing extensive agricultural practices and agricultural landscape features (CA03)

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Reinstate appropriate agricultural practices to address abandonment, including mowing, grazing, burning or equivalent measures (CA04)

Adapt mowing, grazing and other equivalent agricultural activities (CA05)

Manage the use of natural fertilisers and chemicals in agricultural (plant and animal) production (CA09)

Reduce impact of multi-purpose hydrological changes (CJ02)

Restore habitats impacted by multi-purpose hydrological changes (CJ03)

Management, control or eradication of other invasive alien species (CI03)

9.6 Additional information

10. Future prospects

10.1 Future prospects of parameters	a) Range	Good
	b) Population	Good
	c) Habitat of the species	Poor

10.2 Additional information

11. Conclusions

11.1. Range	Favourable (FV)
11.2. Population	Favourable (FV)
11.3. Habitat for the species	Unfavourable - Inadequate (U1)
11.4. Future prospects	Unfavourable - Inadequate (U1)
11.5 Overall assessment of Conservation Status	Unfavourable - Inadequate (U1)
11.6 Overall trend in Conservation Status	Stable (=)
11.7 Change and reasons for change in conservation status and conservation status trend	a) Overall assessment of conservation status No change The change is mainly due to: b) Overall trend in conservation status No change The change is mainly due to:

11.8 Additional information

12. Natura 2000 (pSCIs, SCIs and SACs) coverage for Annex II species

12.1 Population size inside the pSCIs, SCIs and SACs network (on the biogeographical/marine level including all sites where the species is present)	a) Unit	number of map 1x1 km grid cells (grids1x1)
	b) Minimum	
	c) Maximum	
	d) Best single value	1517
12.2 Type of estimate	Minimum	

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12.3 Population size inside the network Method used

Based mainly on extrapolation from a limited amount of data

12.4 Short-term trend of population size within the network Direction

Stable (0)

12.5 Short-term trend of population size within the network Method used

Based mainly on extrapolation from a limited amount of data

12.6 Additional information

13. Complementary information

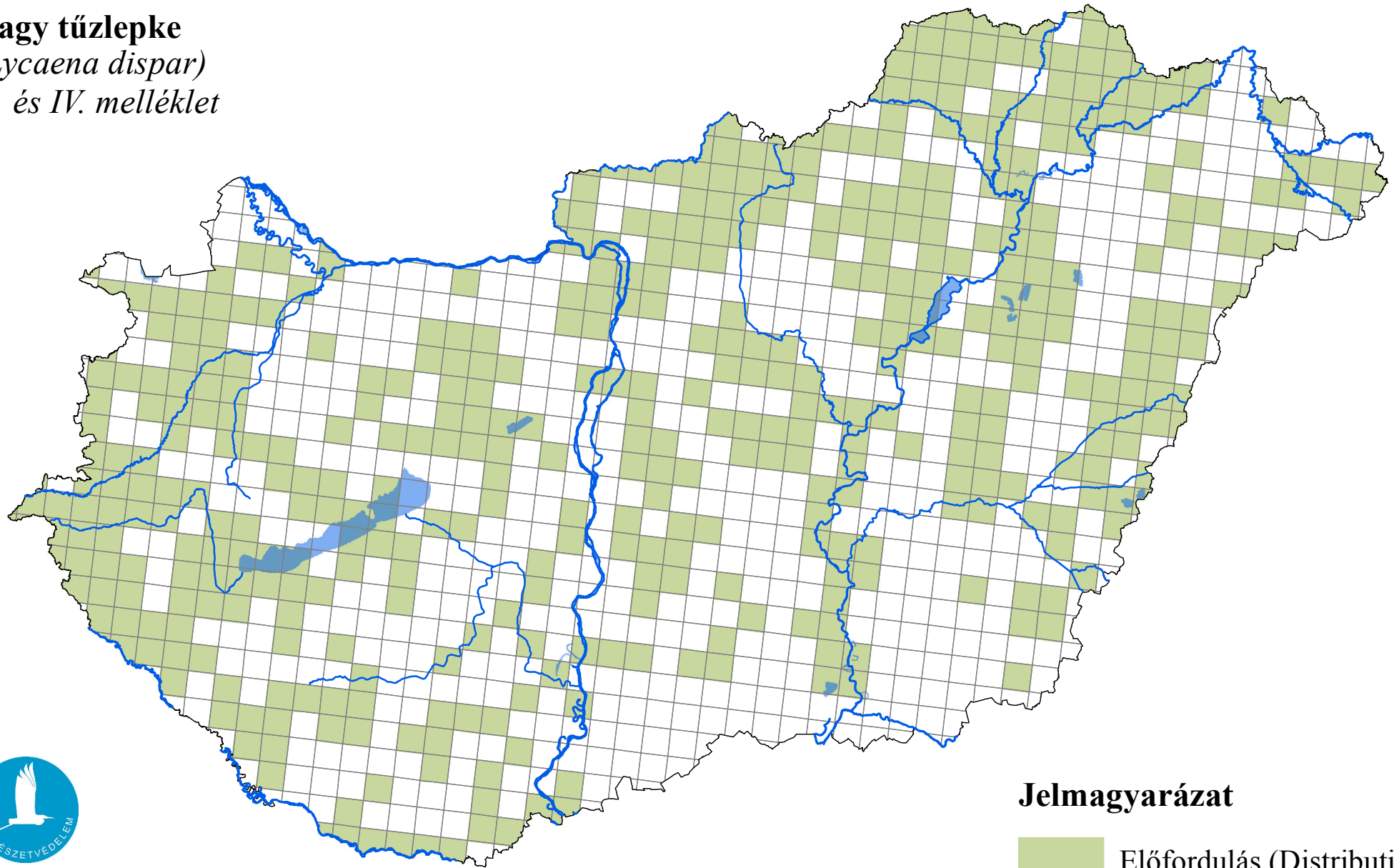
13.1 Justification of % thresholds for trends

13.2 Trans-boundary assessment

13.3 Other relevant Information

Az élőhelyvédelmi irányelv 17. cikke alapján készített országjelentés 2019

Nagy tűzlepke
(*Lycaena dispar*)
II. és IV. melléklet



Forrás: Agrárminisztérium,
Természetmegőrzési Főosztály

Jelmagyarázat

