

# Montivipera bornmuelleri

**Taxonomic Authority:** (Werner, 1898)

**Synonyms:**

**Region:** 8

**Common Names:**

Lebanon Viper English

**Order:** Ophidia

**Family:** Viperidae

**Notes on taxonomy:** This species is included in Montivipera following Nilson et al. (1999).

## General Information

**Biome**  Terrestrial  Freshwater  Marine

### Geographic Range of species:

This species has been recorded from high mountain regions in Lebanon and Syria from about 1,000 to around 2,200m asl. It is present on the Mount Lebanon Range, the Anti-Lebanon Range and Mount Hermon (in Israeli-occupied Syria), and is also present on Jabel Al Arab (Druz), Syria.

### Habitat and Ecology Information:

It is found in cedar forests, alpine grasslands and amongst cushion-type vegetation and rocks. This species gives birth to between two and 18 young.

### Conservation Measures:

This species is found in the protected areas of Arz Al-Shouf and Horj Ehdn in Lebanon, and in the Hermon Reserve in Israeli-occupied Syria.

### Threats:

This is a restricted range species that is threatened in Lebanon by overgrazing of habitat by sheep and goats, and also through degradation of suitable habitat through the use of off-road vehicles. On Mount Hermon it is threatened by the development of its habitat for use by the military, and is potentially threatened by the development of the skiing industry.

### Species population information:

It can be common in suitable habitat.

## Country Distribution

	Native - Presence Confirmed	Native - Presence Possible	Extinct	Reintroduced	Introduced	Vagrant
Lebanon	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Syrian Arab Republic	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## FAO Marine Habitats

Native - Presence Confirmed	Native - Presence Possible	Extinct	Reintroduced	Introduced
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## Major Lakes

## Major Rivers

## Upper Level Habitat Preferences

	Score
1.4 Forest - Temperate	1
3.4 Shrubland - Temperate	1
4.4 Grassland - Temperate	1

## Lower Level Habitat Preferences

Score

## Major threats

Code	Description of threat	Past	Present	Future
1	Habitat Loss/Degradation (human induced)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.1	Agriculture	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.1.4	Livestock	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.1.4.1	Nomadic	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.1.4.2	Small-holder	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.4	Infrastructure development	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.4.3	Tourism/recreation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.4.9	Other	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## Conservation Measures

Code	Conservation measures	In place	Needed
1	Policy-based actions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.2	Legislation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.2.1	Development	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.2.1.2	National level	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.2.2	Implementation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.2.2.2	National level	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	Research actions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.2	Population numbers and range	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.3	Biology and Ecology	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.4	Habitat status	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.5	Threats	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.8	Conservation measures	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.9	Trends/Monitoring	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4	Habitat and site-based actions	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4.1	Maintenance/Conservation	<input type="checkbox"/>	<input checked="" type="checkbox"/>

4.4 Protected areas



4.4.2 Establishment



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### Utilisation of Species

Purpose/Type of Use	Subsistence	National	International	Other purpose:
Primary forms removed from the wild	100% >75%	51-75%	26-50% <25%	Other forms removed from the wild:
Source of specimens in commercial trade	100% >75%	51-75%	26-50% <25%	Other source of specimens:

Trend in wild offtake/harvest in relation to total wild population numbers over last five years:

Trend in offtake/harvest produced through domestication/cultivation over last five years:

CITES:

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### Red Listing

Red List Assessment: Endangered (EN)

Possibly Extinct

Red List Criteria: B1ab(iii)

Rationale for the Red List Assessment: Listed as Endangered because its Extent of Occurrence is less than 5,000 km<sup>2</sup>, its distribution is severely fragmented, and there is continuing decline in the extent and quality of its montane habitat through overgrazing.

Current Population Trend: Decreasing

Date of Assessment: 12/17/2004

Assessor(s): Ahmad Mohammed Mousa Disi, Souad Hraoui-Bloquet, Riyad Sadek, Yehudah Werner

Notes on Red listing:

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