https://doi.org/10.17221/64/2025-JFS

Effects of tree characteristics and climatic conditions on gall midge abundance on European beech (*Fagus sylvatica* L.)

Adam Véle[1]*, *Martin Fulín*[1], *Maan Bahadur Rokaya*[2,3], *Karolína Bílá*[2]

[1]*Forestry and Game Management Research Institute, Jíloviště-Strnady, Czech Republic*
[2]*Global Change Research Institute, Czech Academy of Sciences, Brno, Czech Republic*
[3]*Institute of Botany, Czech Academy of Sciences, Průhonice, Czech Republic*

**Corresponding author: adam.vele@centrum.cz*

Electronic Supplementary Material (ESM)

The authors are fully responsible for both the content and the formal aspects of the Electronic Supplementary Material. No editorial adjustments were made.

https://doi.org/10.17221/64/2025-JFS

Table S1. Overview of the 26 study sites and their key geographic, climatic, and stand characteristics

Site	Altitude (m a.s.l.)	Mean tree diameter (cm)	Mean annual temperature (°C)	Total annual precipitation (mm)	Drought index (%)
Andělka	265	15 ± 12	9.6	691	79.7
Bělečko	290	38 ± 12	9.8	608	88.0
Břehyňský rybník	330	51 ± 5	9.4	585	87.8
Buková hora	535	31 ± 19	9.4	605	90.8
Dubí	480	35 ± 20	9.1	783	96.1
Ferdinandov	550	37 ± 18	8.3	1 008	77.3
Chloumek	390	35 ± 21	9.3	609	83.2
Chvaletice	300	30 ± 10	10.3	581	72.4
Janské Lázně	750	36 ± 18	6.9	1 028	78.5
Kochánky	200	23 ± 10	10.8	541	87.4
Konice	510	21 ± 19	8.9	648	86.9
Kouty	510	35 ± 13	9.5	683	81.1
Krucemburk	580	35 ± 14	8.5	785	84.2
Kryštofovo údolí	440	32 ± 18	8.9	814	107.6
Kuničky	570	20 ± 7	8.7	614	91.4
Lhotky	370	23 ± 13	9.8	618	92.7
Litvínov	430	37 ± 15	9.5	631	80.3
Vápenný Podol	470	34 ± 10	9.6	720	78.9
Rakousy	275	27 ± 12	9.7	704	70.9
Rezek	850	34 ± 19	6.3	1 103	80.8
Růžová hora	340	35 ± 23	9.6	649	87.8
Červenohorské sedlo	900	23 ± 15	6.7	1 082	90.3
Štíhlice	380	21 ± 14	9.8	649	92.0
Svor	670	31 ± 17	7.3	835	92.2
Víska	510	37 ± 14	9.0	597	93.3
Zboží	415	38 ± 23	8.7	730	95.3