

Příloha č. 16: Ukázka výpočtu evapotranspirace dle Ivanovova ve vegetačním období v letech 1996-2020 v řešených lokalitách

$$E_o = 0.0018(25 + T_m)^2 (100 - r) \quad (\text{zdroj: Možný, 2005}).$$

E_o – úhrn potenciální evapotranspirace za měsíc, [mm]

T_m – průměrná měsíční teplota vzduchu, [°C]

r - průměrná měsíční relativní vlhkost vzduchu, [%].

Evapotranspirace potenciální (ETP)

Rok	Duben			Květen			Červen			Červenec			Srpen			Září			Říjen		
	Praha	Žatecko	Vysočina	Praha	Žatecko	Vysočina	Praha	Žatecko	Vysočina	Praha	Žatecko	Vysočina	Praha	Žatecko	Vysočina	Praha	Žatecko	Vysočina	Praha	Žatecko	Vysočina
1996	72.4	76.2	50.8	59.8	75.1	40.1	102.6	96.6	67.4	98.4	88.9	54.5	84.9	78.8	58.5	46.4	45.6	15.4	37.3	34.9	17.0
1997	56.1	61.9	34.3	92.7	103.2	62.0	103.1	106.8	73.0	83.6	93.2	53.9	105.2	86.7	86.5	71.9	69.1	59.8	43.5	41.1	24.9
1998	78.9	84.0	48.1	104.7	113.3	62.3	101.2	114.5	58.2	90.3	103.6	52.6	123.2	109.0	74.5	45.4	37.7	23.5	35.8	33.1	17.6
1999	65.8	66.5	45.1	103.7	109.2	73.5	80.2	95.3	51.0	113.5	132.2	89.3	119.2	113.7	92.0	81.7	77.7	69.1	38.1	45.3	22.6
2000	92.6	81.3	62.5	124.1	110.0	86.7	151.9	135.9	99.4	86.0	100.8	42.0	137.3	127.0	99.8	68.1	64.6	46.7	37.7	33.2	25.7
2001	50.3	58.9	32.2	98.9	106.4	70.5	78.1	101.3	44.4	100.6	123.9	56.9	98.5	105.7	68.5	37.2	41.4	10.3	32.2	35.4	20.0
2002	71.5	73.3	34.5	89.0	97.0	62.0	94.1	112.0	67.6	94.9	116.6	75.5	71.0	92.8	74.4	51.7	59.6	43.1	33.1	38.6	14.5
2003	80.8	72.8	51.6	102.9	94.7	87.2	149.7	138.3	121.5	126.4	120.8	69.2	175.9	139.5	138.4	93.6	92.7	81.8	39.8	37.8	14.3
2004	81.2	79.4	42.4	96.2	72.2	49.3	104.8	89.5	62.3	130.7	104.1	67.9	139.7	107.0	90.8	94.6	68.3	62.7	45.1	30.5	25.6
2005	90.0	78.5	67.4	105.5	77.8	69.9	130.4	107.4	69.1	110.0	97.1	61.4	94.3	74.0	56.5	80.9	58.1	54.9	55.1	34.1	33.9
2006	64.3	55.2	41.3	102.9	90.7	68.8	126.0	112.1	81.9	186.3	145.0	139.1	87.2	73.0	37.4	111.6	75.3	65.6	55.2	29.8	34.3
2007	124.0	98.5	90.5	125.3	109.8	70.9	134.9	105.0	80.2	145.8	113.0	84.1	115.5	85.2	86.8	67.9	42.6	32.9	38.8	20.8	15.3
2008	61.1	45.9	36.8	86.8	75.1	64.1	119.0	100.3	77.5	117.6	92.8	76.0	131.9	86.4	78.7	78.2	49.3	35.9	38.8	26.1	21.0
2009	108.4	83.5	85.8	98.4	81.0	57.6	95.6	75.3	43.7	118.2	89.0	68.2	149.1	99.7	82.6	99.7	66.2	49.0	45.0	40.2	11.6
2010	89.9	76.5	40.8	69.4	62.9	21.4	120.4	100.3	71.6	153.8	116.0	103.1	91.1	71.5	53.9	55.4	48.2	33.3	45.3	37.7	25.9
2011	97.1	86.3	67.4	115.2	89.4	76.0	130.0	98.5	69.1	108.8	93.4	59.6	102.0	73.6	72.3	81.3	60.5	59.6	44.2	38.2	27.5
2012	87.7	77.1	48.5	129.6	101.3	91.0	120.3	100.8	67.9	115.1	96.7	69.9	141.0	114.5	97.1	76.6	60.7	48.1	36.1	36.8	16.2
2013	72.3	63.2	38.5	62.7	56.9	36.7	97.5	81.4	56.2	159.6	126.1	114.7	116.0	78.0	112.2	61.0	50.9	36.3	48.8	37.0	36.6
2014	72.7	65.7	44.2	72.0	64.6	44.6	133.1	105.9	95.5	126.8	106.2	92.8	84.5	70.3	50.0	47.5	45.6	33.3	28.6	29.7	16.3
2015	76.7	72.4	52.9	97.8	87.6	59.6	108.8	86.8	79.4	177.2	133.6	144.2	178.6	124.5	149.7	91.2	63.0	58.5	39.8	31.9	23.4
2016	69.5	65.0	45.8	108.2	99.8	68.6	112.0	86.9	84.7	135.3	107.4	87.0	123.6	96.1	81.3	109.8	77.9	92.0	35.2	31.2	13.7
2017	64.3	60.6	31.8	112.7	95.0	72.6	169.2	132.4	102.3	133.6	111.5	81.8	133.6	93.2	98.9	63.0	48.1	29.0	46.7	46.4	25.9
2018	116.8	81.0	82.0	136.5	112.1	91.2	126.0	108.0	77.5	195.7	165.4	131.0	191.7	150.4	160.4	104.4	85.1	87.2	68.0	58.2	52.6
2019	102.6	87.8	72.1	85.1	77.6	47.9	189.0	151.8	116.6	169.0	153.8	109.5	123.5	94.5	89.0	89.3	70.5	59.5	48.2	41.4	35.4
2020	121.6	89.5	99.6	98.3	89.7	58.9	100.3	98.9	53.9	155.1	134.7	92.1	127.8	111.5	98.9	98.9	71.9	70.9	46.8	36.8	28.5
Průměr	82.7	73.6	53.9	99.1	90.1	63.7	119.1	105.7	74.9	129.3	114.6	83.1	121.9	98.3	87.6	76.3	61.2	50.3	42.5	36.2	24.0