

		bez vz.	se vz.	ref - analyz	převod
bez FE	PPFD	CO2ref	CO2 analys.	dCO2 (ppm)	dCO2 (umol CO2 na l)
	0	624	622	2	0.081630993
	20	624	616	8	0.326523973
	50	624	612	12	0.489785959
	100	624	607	17	0.693863442
	300	624	603	21	0.857125429
	500	624	601	23	0.938756422
	700	624	599	25	1.020387415
	1000	624	598	26	1.061202912
	1200	624	598	26	1.061202912

					převod
Kontrola	PPFD	CO2ref	CO2 analys.	dCO2 (ppm)	dCO2 (umol CO2 na l)
	0	978	973	5	0.204077483
	20	978	960	18	0.734678939
	50	978	947	31	1.265280395
	100	978	931	47	1.918328341
	300	978	898	80	3.265239729
	500	978	879	99	4.040734165
	700	978	866	112	4.571335621
	1000	978	855	123	5.020306083
	1200	978	852	126	5.142752573

					převod
Zuzana 1	PPFD	CO2ref	CO2 analys.	dCO2 (ppm)	dCO2 (umol CO2 na l)
682	0	672	671	1	0.040815497
	20	672	683	-11	-0.448970463
	50	672	678	-6	-0.24489298
	100	672	668	26	1.061202912
	300	672	646	38	1.550988871
	500	672	634	38	1.550988871
	700	672	622	50	2.040774831
	1000	672	596	76	3.101977743
	1200	672	613	59	2.4081143

Zuzana 2	PPFD	CO2ref	CO2 analys.	dCO2 (ppm)	dCO2 (umol CO2 na l)
	0	582	577	5	0.204077483
	20	582	573	9	0.36733947
	50	582	568	14	0.571416953
	100	582	564	33	1.346911388
	300	582	549	42	1.714250858
	500	582	540	42	1.714250858
	700	582	535	47	1.918328341
	1000	582	534	48	1.959143837
	1200	582	534	48	1.959143837

Zuzana 3	PPFD	CO2ref	CO2 analys.	dCO2 (ppm)	dCO2 (umol CO2 na l)
	0	673	654	19	0.775494436
	20	673	668	5	0.204077483

50	673	643	30	1.224464898	
100	673	637	36	1.469357878	
300	673	638	35	1.428542381	
500	673	612	61	2.489745293	
700	673	605	68	2.77545377	
1000	673	622	51	2.081590327	
za chvíli po 601 vy	1200	673	601	72	2.938715756

Zuzana 4	PPFD	CO2ref	CO2 analys.	dCO2 (ppm)	dCO2 (umol CO2 na l)
	0	558	554	4	0.163261986
	20	558	550	8	0.326523973
	50	558	548	10	0.408154966
	100	558	545	13	0.530601456
	300	558	540	18	0.734678939
	500	558	535	23	0.938756422
	700	558	533	25	1.020387415
	1000	558	531	27	1.102018409
	1200	558	530	28	1.142833905

T místnosti: °C
 průtok 0.3 l/min = 0.005 l/s

Průměr Zuzana

PPFD	Zuzana 1	Zuzana 2
	Pn	Pn
0		15.22966292
20		27.41339325
50		42.64305616
100	39.89484631	100.5157752
300	58.3078523	127.9291685
500	58.3078523	127.9291685
700	76.72085829	143.1588314
1000	116.6157046	146.204764
1200	90.53061279	146.204764

průtok (l/s)	LA (cm2)	LA (m2)	Pn	bez N	PPFD
0.005	3.875	0.000388	1.053303		0
0.005	3.875	0.000388	4.213213		20
0.005	3.875	0.000388	6.319819		50
0.005	3.875	0.000388	8.953077		100
0.005	3.875	0.000388	11.05968		300
0.005	3.875	0.000388	12.11299		500
0.005	3.875	0.000388	13.16629		700
0.005	3.875	0.000388	13.69294		1000
0.005	3.875	0.000388	13.69294		1200

průtok (l/s)	LA (cm2)	LA (m2)	Pn	bez P	PPFD
0.005	6.875	0.000688	1.4842		0
0.005	6.875	0.000688	5.34312		20
0.005	6.875	0.000688	9.202039		50
0.005	6.875	0.000688	13.95148		100
0.005	6.875	0.000688	23.7472		300
0.005	6.875	0.000688	29.38716		500
0.005	6.875	0.000688	33.24608		700
0.005	6.875	0.000688	36.51132		1000
0.005	6.875	0.000688	37.40184		1200

průtok (l/s)	LA (cm2)	LA (m2)	Pn	Holyna 1	PPFD
0.005	1.33	0.000133	1.534417		0
0.005	1.33	0.000133	-16.8786		20
0.005	1.33	0.000133	-9.2065		50
0.005	1.33	0.000133	39.89485		100
0.005	1.33	0.000133	58.30785		300
0.005	1.33	0.000133	58.30785		500
0.005	1.33	0.000133	76.72086		700
0.005	1.33	0.000133	116.6157		1000
0.005	1.33	0.000133	90.53061		1200

průtok (l/s)	LA (cm2)	LA (m2)	Pn	Holyna 2	PPFD
0.005	0.67	0.000067	15.22966		0
0.005	0.67	0.000067	27.41339		20
0.005	0.67	0.000067	42.64306		50
0.005	0.67	0.000067	100.5158		100
0.005	0.67	0.000067	127.9292		300
0.005	0.67	0.000067	127.9292		500
0.005	0.67	0.000067	143.1588		700
0.005	0.67	0.000067	146.2048		1000
0.005	0.67	0.000067	146.2048		1200

průtok (l/s)	LA (cm2)	LA (m2)	Pn	Holyna 3	PPFD
0.005	0.88	0.000088	44.06218		0
0.005	0.88	0.000088	11.59531		20

0.005	0.88	0.000088	69.57187	50
0.005	0.88	0.000088	83.48624	100
0.005	0.88	0.000088	81.16718	300
0.005	0.88	0.000088	141.4628	500
0.005	0.88	0.000088	157.6962	700
0.005	0.88	0.000088	118.2722	1000
0.005	0.88	0.000088	166.9725	1200

průtok (l/s)	LA (cm2)	LA (m2)	Pn	Holyna 4	PPFD
0.005	0.55	0.000055	14.842		0
0.005	0.55	0.000055	29.684		20
0.005	0.55	0.000055	37.105		50
0.005	0.55	0.000055	48.2365		100
0.005	0.55	0.000055	66.78899		300
0.005	0.55	0.000055	85.34149		500
0.005	0.55	0.000055	92.76249		700
0.005	0.55	0.000055	100.1835		1000
0.005	0.55	0.000055	103.894		1200

Zuzana 3	Zuzana 4	Průměr
Pn	Pn	
44.06218384	14.842	18.53346
	29.684	14.27435
69.57186923	37.105	37.32998
83.48624307	48.2365	68.03334
81.16718076	66.78899	83.5483
141.4628008	85.34149	103.2603
157.6962369	92.76249	117.5846
118.2721777	100.1835	120.319
166.9724861	103.894	126.9005

Průměr Holyna	Holyna 1	
PPFD	Pn	
	0	3.7105
	20	24.11825
	50	38.96025
	100	63.07849
	300	122.4465
	500	163.262
	700	189.2355
	1000	205.9327
	1200	226.3405

převod							
CO2ref	CO2 analys	dCO2 (ppm)	dCO2 (umol CO2 na průtok (l/s)	LA(cm2)	LA (m2)	Pn	
548	544	4	0.163261986	0.005	2	0.0002	4.08155
548	534	14	0.571416953	0.005	2	0.0002	14.28542
548	528	20	0.816309932	0.005	2	0.0002	20.40775
548	524	24	0.979571919	0.005	2	0.0002	24.4893
548	519	29	1.183649402	0.005	2	0.0002	29.59124
548	516	32	1.306095892	0.005	2	0.0002	32.6524
548	515	33	1.346911388	0.005	2	0.0002	33.67278
548	514	34	1.387726885	0.005	2	0.0002	34.69317
548							

převod							
CO2ref	CO2 analys	dCO2 (ppm)	dCO2 (umol CO2 na průtok (l/s)	LA (cm2)	LA (m2)	Pn	
698	691	7	0.285708476	0.005	6.125	0.000613	2.332314
698	686	12	0.489785959	0.005	6.125	0.000613	3.998253
698	676	22	0.897940925	0.005	6.125	0.000613	7.33013
698	669	29	1.183649402	0.005	6.125	0.000613	9.662444
698	653	45	1.836697348	0.005	6.125	0.000613	14.99345
698	644	54	2.204036817	0.005	6.125	0.000613	17.99214
698	638	60	2.448929797	0.005	6.125	0.000613	19.99126
698	631	67	2.734638273	0.005	6.125	0.000613	22.32358
698	629	69	2.816269266	0.005	6.125	0.000613	22.98995

převod							
CO2ref	CO2 analys	dCO2 (ppm)	dCO2 (umol CO2 na průtok (l/s)	LA (cm2)	LA (m2)	Pn	
902	900	2	0.081630993	0.005	1.1	0.00011	3.7105
902	889	13	0.530601456	0.005	1.1	0.00011	24.11825
902	881	21	0.857125429	0.005	1.1	0.00011	38.96025
902	868	34	1.387726885	0.005	1.1	0.00011	63.07849
902	836	66	2.693822776	0.005	1.1	0.00011	122.4465
902	814	88	3.591763702	0.005	1.1	0.00011	163.262
902	800	102	4.163180654	0.005	1.1	0.00011	189.2355
902	791	111	4.530520124	0.005	1.1	0.00011	205.9327
902	780	122	4.979490587	0.005	1.1	0.00011	226.3405

CO2ref	CO2 analys	dCO2 (ppm)	dCO2 (umol CO2 na průtok (l/s)	LA (cm2)	LA (m2)	Pn	
521	519	2	0.081630993	0.005	0.58	0.000058	7.037155
521	516	5	0.204077483	0.005	0.58	0.000058	17.59289
521	514	7	0.285708476	0.005	0.58	0.000058	24.63004
521	511	10	0.408154966	0.005	0.58	0.000058	35.18577
521	503	18	0.734678939	0.005	0.58	0.000058	63.33439
521	497	24	0.979571919	0.005	0.58	0.000058	84.44586
521	494	27	1.102018409	0.005	0.58	0.000058	95.00159
521	490	31	1.265280395	0.005	0.58	0.000058	109.0759
521	489	32	1.306095892	0.005	0.58	0.000058	112.5945

CO2ref	CO2 analys	dCO2 (ppm)	dCO2 (umol CO2 na průtok (l/s)	LA (cm2)	LA (m2)	Pn	
865	865	0	0	0.005	0.9	0.00009	0
865	858	7	0.285708476	0.005	0.9	0.00009	15.87269

865	854	11	0.448970463	0.005	0.9	0.00009	24.9428
865	847	18	0.734678939	0.005	0.9	0.00009	40.8155
865	830	35	1.428542381	0.005	0.9	0.00009	79.36347
865	820	45	1.836697348	0.005	0.9	0.00009	102.0387
865	815	50	2.040774831	0.005	0.9	0.00009	113.3764
865	811	54	2.204036817	0.005	0.9	0.00009	122.4465
865	807	58	2.367298804	0.005	0.9	0.00009	131.5166

CO2ref	CO2 analys	dCO2 (ppm)	dCO2 (umol CO2 na průtok (l/s)	LA (cm2)	LA (m2)	Pn	
504	503	1	0.040815497	0.005	0.51	0.000051	4.001519
504	501	3	0.12244649	0.005	0.51	0.000051	12.00456
504	499	5	0.204077483	0.005	0.51	0.000051	20.0076
504	496	8	0.326523973	0.005	0.51	0.000051	32.01215
504	486	18	0.734678939	0.005	0.51	0.000051	72.02735
504	480	24	0.979571919	0.005	0.51	0.000051	96.03646
504	477	27	1.102018409	0.005	0.51	0.000051	108.041
504	475	29	1.183649402	0.005	0.51	0.000051	116.0441
504	474	30	1.224464898	0.005	0.51	0.000051	120.0456

Holyna 2	Holyna 3	Holyna 4	Průměr
Pn	Pn	Pn	
7.037155	0	4.001519276	3.687293389
17.59289	15.87269	12.00455783	17.39709636
24.63004	24.9428	20.00759638	27.13517192
35.18577	40.8155	32.01215421	42.77297963
63.33439	79.36347	72.02734696	84.29292343
84.44586	102.0387	96.03646262	111.4457614
95.00159	113.3764	108.0410204	126.4136178
109.0759	122.4465	116.044059	138.3747945
112.5945	131.5166	120.0455783	147.6242833

Graf - Kultivační experiment

PPFD	Kontrola	bez N	bez P	bez Fe
0	1.4842	1.053303	1.4842	1.053303
20	4.664628	3.348964	4.664628	3.348964
50	7.12834	4.168391	7.12834	4.168391
100	9.713055	5.04628	9.713055	5.04628
300	15.0126	5.442066	15.0126	5.442066
500	17.01362	5.288769	17.01362	5.288769
700	17.75276	5.166519	17.75276	5.166519
1000	18.09119	4.879094	18.09119	4.879094
1200	17.28656	4.468223	17.28656	4.468223

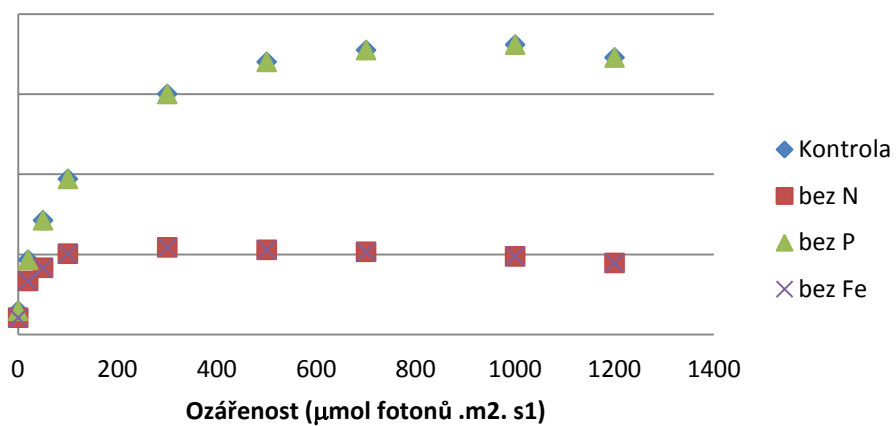
PN (mmol CO₂ m⁻² s⁻¹)

Graf Vojtěška

PPFD	Zuzana 1	Zuzana 2	Holyna 1	Holyna 2
0				
20				
50				
100				
300				
500				
700				
1000				
1200				

Název osy

Světelná křivka fotosyntézy - KE



Vojtěška

