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Title: Earthworm enhancement of *Lumbricus terrestris* in long-term soil tillage trials in Hungary, Austria and Serbia

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1. Introduction

Earthworms can alter the soil structure and increase plant growth (Edwards, 2004; van Groenigen et al., 2015). Soils may function as important carbon sinks, but this potential greatly depends on land use, level of disturbance, applied tillage methods (Arai et al., 2018; Daraghmeh et al., 2009). Earthworms are drivers, when it comes to sustainable agriculture in respect of aggregate formation and available plant nutrients (Dekemati et al., 2019; Lehmann et al., 2017; Schrader and Zhang, 1997). It is therefore key to know how and to which extent earthworms can affect long-term tillage systems and if they can invert the effect of soil degradation intensive tillage like mouldboard ploughing. First results from Austria showed that maize under the influence of *Lumbricus terrestris* have increased plant biomass in ploughed fields. This is in line with Schrader and Zhang (1997) who stated, that earthworms have the highest effect on degraded soils.

2. Aims

The overall aim of this project was to facilitate joint field trials in 2020/2021. The field trials cover the effect of additionally introduced (endemic) earthworms (*Lumbricus terrestris*) in long-term soil tillage experiments. We investigated how these added earthworms affected crop development and soil parameters in maize (*Zea mays* L.) or sunflower (*Helianthus annuus* L.).

The second aim was to organize staff training to support the utilization of the same methodology among participants to increase the quality of the research project.

3. Material and methods

3.1. Field experiments in Austria

The experiment was established in 1996 at the Experimental Station of the University of Natural Resources and Life Sciences, Vienna (BOKU) in Raasdorf (48°14'N, 16°33'E; 153 m a.s.l.; Figure 1.). The field site is located in the east of Vienna (Lower Austria, Austria - AT) on the edge of the Marchfeld plain in the north-western part of the Pannonian Basin. The silt loam soil (pH_{CaCl2}: 7.6 and soil organic carbon: 23 g kg⁻¹) is classified as a Calcaric Chernozem of alluvial origin (WRB, 2014). The experiment is conducted as a complete random block design with four replications with the purpose to perform a long-term comparison of different tillage systems: ploughing (P), cultivator (C) and no tillage (NT). The plot size (24 × 40 m) for the tillage systems allowed operation with regular farm machinery.

Additional *Lumbricus terrestris* were inoculated (14 earthworms m⁻²) into 7 m² enclosures (20 cm below-ground; 20 cm above-ground in maize (*Zea mays*) were added in May 2020. The aim was to investigate effects of enhanced vs ambient (control) earthworm populations on plant parameters such as yield and nitrogen (N) uptake.



Figure 1. Earthworm trial in ploughed plot at the long-term soil tillage trial in Austria in May 2020 with straw cover in enhanced earthworm area in a 7-m²-enclosure and in control with ambient earthworm population.

3.2. Field experiments in Hungary

The long-term tillage experimental station is located at Józsefmajor Experimental and Training Farm of the Hungarian University of Agricultural and Life Sciences (earlier called Szent István University) (47° 41' 30.6" latitude N, - 19° 36' 46.1" longitude E; 110 m above sea level), Pest County, Central Hungary (HU). The long-term tillage experiment was set in 2002 with six different tillage methods (loosening, disking, shallow/deep cultivation, ploughing and no-till) (Dekemati et al., 2019; Dekemati et al., 2020). Out of these six tillage operations, three tillage treatments were chosen: *moldboard ploughing* (28 to 30 cm) (P); *shallow tine cultivation* (18 to 20 cm) (SC); and *no-tillage* (NT).

The clay loam soil (pH_{H2O}: 6.1, soil organic carbon: 21 g kg⁻¹) is classified as an Endocalcic Chernozem (WRB, 2015). The experiment is arranged in a randomized block design with four replicates. The area of each plot is 2,080 m² (13 × 160 m). The climate is continental with an average annual temperature of 10.3 and 15°C, during the vegetation period (New et al., 2002).

The cropping sequence between 2018 and 2022 in the Hungarian stie was the following: soybean (2018), winter wheat (2018/19), winter oat (2019/20), sunflower (2021), and winter barley (2021/22). The sowing of the sunflower was in 24th May, 2021 and the harvest took place on 8th September, 2021. For the earthworm enhancement experiment a certain area of the maize field (3 x 2,5 m²) was fenced off by plastic sheets buried in the fields where earthworms (*L. terrestris*) 14 individuals/m² was released in May after sunflower sowing. Alongside the enhanced area and the control plots was marked (with the same size) and covered with the winter straw residues after the experimental set up.

3.3. Field experiments in Serbia

The trial was established on the long-term experiment “Plodoredi” at Rimski Šančevi experimental station of the Institute of Field and Vegetable Crops in Novi Sad. The soil type was Haplic Chernozem with clay loam texture and 2,8% organic matter, fertilized according to soil properties and plant requirements. For the earthworm enhancement experiment a certain area of the maize field (3 x 2,5 m²) was fenced off by plastic sheets buried in the fields where earthworms (*L. terrestris*) 14 individuals/m² was released in May after maize sowing. Alongside the enhanced area and the control plots was marked (with the same size) and covered with the winter straw residues after the experimental set up. Two different tillage systems were tested: mouldboard plowing (27-30 cm soil depth) vs. conservation tillage using Vaderstad Tempo 6 planter after stubble mulching with a rotary tiller. The setting up of the experiment includes 3 repetitions to allow statistical data processing. Regular management practices were used in maize production which was harvested in 18. September after which the soil samples and plant samples were taken.

3.4. Readily available elements

The 0.01 mol/l CaCl₂ extracts (modified extraction of Houba et al.(2008) were performed in the ratio 1:10 w/v (4 grams of fresh soil (≤ 5 mm)/ 40 ml of extractant). After 2 hours of shaking the pH value was measured. The suspension was subsequently centrifuged at 5000 g for 5 minutes. The contents of macro-, micro- and trace-elements were measured using ICP-OES (Varian VistaPro, Mulgrave, Australia). The extracts were prepared in two replications. First for the ICP-OES measurement and second was frozen for the measurement of dissolved organic carbon (DOC), nitrate nitrogen (N-NO₃), ammonium nitrogen (N-NH₄) and total bioavailable nitrogen. These parameters will be measured later using SKALAR SAN^{PLUS} SYSTEM (Netherlands). All the results are recalculated on soil dry mass.

3.5. Easily extractable glomalin content

Easily extractable glomalin (EEG) was extracted after Wright and Upadhayaya (1998) with 20 mmol/l sodium citrate at pH 7.0 for 30 min. at 121 °C. The air dried soil (≤ 2 mm)/solution ratio was 1/8. After extraction, samples were centrifuged at 5000 g for 5 min. The EEG content was measured colorimetrically using Dye brilliant blue reagent and bovine albumin (BSA) as a standard (Protein assay kit II; Bio-Rad; USA). To the analysis, 10 µl of extract was pipetted in microplate and 200 µl of Dye reagent (diluted 1:4) was added. Immediately after this, the microplate was applied into microplate reader TECAN (Germany), shaken horizontally for 30 sec. at 593 rpm and measured after 5 minutes of stabilization at the wavelength 590 nm.

3.6. Statistical analysis

The statistical analysis was performed for the values from Austria and Hungary, because the treatments here had 4 replications. The variables were evaluated with analysis of variance (ANOVA), where the Tukey test was chosen to find the significant differences among treatments at the value of significance p<0.05. The data was processed using STATISTICA 12 software (TIBCO, Palo Alto, California)

4. Results

4.1. Experiments in Austria

Tables 1. - 3. show the basic soil parameters, glomalin and readily available element content in the samples taken at 5.11.2020. Only significant differences were found at potassium, where both tillage systems showed significantly lower values than control. Similar tendency is visible for magnesium. The glomalin content was always, but not significantly, lower at fenced treatments with earthworms as compared with control. The content of nitrate and ammonium nitrogen was higher at the treatments without tillage as compared to all others. The contents of remaining elements were not significantly affected by studied treatments, or the values were under detection limits of ICP-OES.

Table 1. The pH value, the content of bioavailable nitrogen and dissolved organic carbon (all determined with 0.01 mol/l CaCl₂) in the samples taken up at 5.11.2020

Tillage	C/F	pH _{CaCl2}	N-NO ₃ (mg/kg)	N-NH ₄ (mg/kg)	DOC ¹⁾ (mg/kg)
No till	Control	7.59	8.06	5.22	27.4
	Fence	7.57	8.46	4.14	28.0
Cultivator	Control	7.64	5.23	4.00	28.9
	Fence	7.63	6.37	3.83	29.8
Plough	Control	7.60	4.31	3.39	31.7
	Fence	7.59	5.40	3.56	28.7

¹⁾ DOC – dissolved organic carbon

Table 2. Easily extractable glomalin content (determined with sodium citrate at pH 7.0) and the content of readily available macronutrients (0.01 mol/l CaCl₂) in the samples taken up at 5.11.2020

Tillage	C/F	EEG ¹⁾ (mg/kg)	P (mg/kg)	K (mg/kg)	Mg (mg/kg)	S (mg/kg)
No till	Control	734	na ²⁾	114 ^{a3)}	116	2.03
	Fence	722	na	115 ^a	120	1.63
Cultivator	Control	756	na	63.2 ^b	112	1.86
	Fence	723	na	62.7 ^b	111	1.32
Plough	Control	735	na	65.2 ^b	99.9	1.12
	Fence	684	na	59.0 ^b	99.3	1.56

¹⁾ EEG – easily extractable glomalin content; ²⁾ na - value under detection limit; ³⁾ Different letter in frame of column means significant difference among treatments (ANOVA, Tukey HSD; p<0.05)

Table 3. The content of readily available micronutrients (all in mg/kg; 0.01 mol/l CaCl₂) in the samples taken up at 5.11.2020

Tillage	C/F	Fe	Cu	Zn	Mn	B	Mo	Ni	Na	Al	As	Cd	Cr	Pb
No till	Control	2.85	na ¹⁾	na	0.0322	0.1068	na	na	4.42	4.70	na	na	na	na
	Fence	1.42	na	na	0.0166	0.1280	na	na	3.81	2.37	na	na	na	na
Cultivator	Control	1.47	na	na	na	0.0958	na	0.0651	4.74	2.38	na	na	na	na
	Fence	1.36	na	na	na	0.1343	na	na	4.75	2.02	na	na	na	na
Plough	Control	1.73	na	na	0.0236	0.1565	na	0.0897	4.85	2.78	na	na	na	0.323
	Fence	2.12	na	na	0.0430	0.1394	na	0.0687	4.16	3.40	na	na	na	na

¹⁾ na - value under detection limit

Basic soil parameters, glomalin and readily available element content in the samples taken at 7.7.2021 are shown in tables 4. - 6. It is possible to see almost the same tendency in potassium and magnesium changes, where the key factor in their decrease was soil tillage. Furthermore, glomalin content in Cultivator treatment was significantly lower at fence as compared to control, which is the

opposite tendency to first sampling as well as to No till and Plough. The contents of nitrate nitrogen were always higher as compared to previous sampling. The opposite tendency is visible in case of ammonium nitrogen. Ploughing led to non-significant decrease of the dissolved organic carbon content as compared to no till and cultivator. Similarly, to the previous sampling, the tendencies to changes among remaining studied parameters are not clearly visible.

Table 4. The pH value, the content of bioavailable nitrogen and dissolved organic carbon (all determined with 0.01 mol/l CaCl₂) in the samples taken up at 7.7.2021

Tillage	C/F	pH _{CaCl2}	N-NO ₃ (mg/kg)	N-NH ₄ (mg/kg)	DOC ¹⁾ (mg/kg)
No till	Control	7.60	13,7	2,53	24,2
	Fence	7.56	12,3	2,48	27,0
Cultivator	Control	7.61	14,4	2,58	29,2
	Fence	7.62	15,4	2,45	26,2
Plough	Control	7.61	14,3	2,78	23,6
	Fence	7.59	11,9	3,35	23,4

¹⁾ DOC – dissolved organic carbon

Table 5. Easily extractable glomalin content (determined with sodium citrate at pH 7.0) and the content of readily available macronutrients (0.01 mol/l CaCl₂) in the samples taken up at 7.7.2021

Tillage	C/F	pH _{CaCl2}	EEG ¹⁾ (mg/kg)	P (mg/kg)	K (mg/kg)	Mg (mg/kg)	S (mg/kg)
No till	Control	7.60	694 ^{ab2)}	na ³⁾	75.1 ^a	111	1.27
	Fence	7.56	725 ^{ab}	na	75.3 ^a	115	2.23
Cultivator	Control	7.61	735 ^b	na	56.0 ^{ab}	107	1.64
	Fence	7.62	643 ^a	na	45.6 ^b	106	1.33
Plough	Control	7.61	649 ^{ab}	na	45.9 ^b	97.8	1.55
	Fence	7.59	684 ^{ab}	na	52.6 ^b	98.1	2.81

¹⁾ EEG – easily extractable glomalin content; ²⁾ Different letter in frame of column means significant difference among treatments (ANOVA, Tukey HSD; p<0.05); ³⁾ na - value under detection limit

Table 6. The content of readily available micronutrients (all in mg/kg; 0.01 mol/l CaCl₂) in the samples taken up at 7.7.2020

Tillage	C/F	Fe	Cu	Zn	Mn	B	Mo	Ni	Na	Al	As	Cd	Cr	Pb
No till	Control	0.82	na ¹⁾	na	na	0.0399	na	0.0925	3.09	1.28	na	na	na	na
	Fence	1.51	na	na	0.0174	0.0561	na	0.1100	5.01	2.40	na	na	na	na
Cultivator	Control	1.53	na	na	0.0173	0.0503	na	0.0685	4.11	2.37	na	na	na	0.300
	Fence	1.44	na	na	na	0.0401	na	0.0874	4.92	2.33	na	na	na	0.292
Plough	Control	1.89	na	na	0.0233	0.0585	na	0.0899	5.63	3.13	na	na	na	0.330
	Fence	1.84	na	na	0.0385	0.0700	na	0.0650	4.76	2.96	na	na	na	0.302

¹⁾ na - value under detection limit

4.2. Experiments in Hungary

Tables 7. - 10. show the basic soil parameters, glomalin and readily available element content in the samples from first sampling in Hungary. The samples were taken in different soil layers, where the differences are obvious and not the aim of our investigation. Therefore, for better transparency, statistical analysis was performed only to compare the parameters in the frame of individual soil layers. In the **0-10 cm** soil layer, the significant differences in pH value, glomalin, potassium, magnesium, boron and nickel were found. The pH value was higher at ploughing as compared to no till system. The content of glomalin and magnesium was significantly lowest at ploughing. On the other hand, ploughing significantly increased boron content. Nickel content at ploughing was lower compared to no-till. All studied parameters at No-till and SC were statistically similar.

Crucial soil layer for our investigation was **0-20 cm**, where the control and fences with earthworms were compared under all soil tillage systems (No-till, SC and Ploughing). In this case, significant differences were found only at dissolved organic carbon, glomalin, phosphorus and potassium where ploughing showed significantly lower value as compared to No-till Control (in case of glomalin), and both remaining tillage treatments in case of phosphorus and potassium. It is therefore obvious that soil tillage had stronger influence than earthworm application. The contents of nitrate nitrogen were always higher at fenced treatments, but the significant difference was not proven. Ploughing also led to decrease of other investigated macronutrients (Mg and S) but not significantly. Same tendency is visible at remaining elements, except boron. The contents of readily available Cu, Mo, As, Cd, Cr and Pb, respectively, were under the detection limits of ICP-OES.

Table 7. The pH value, the content of bioavailable nitrogen and dissolved organic carbon (all determined with 0.01 mol/l CaCl₂) in the samples from first sampling in Hungary

Tillage	C/F	Soil depth	pH _{CaCl2}	N-NO ₃ (mg/kg)	N-NH ₄ (mg/kg)	DOC ²⁾ (mg/kg)
No till		0-10 cm	4.85 ^{a1)}	20.75	11.85	15.09 ^a
Ploughing		0-10 cm	5.55 ^b	14.33	4.36	7.29 ^b
Shallow cultivation (SC)		0-10 cm	5.12 ^{ab}	9.68	1.91	10.19 ^b
No till	Control	0-20 cm	5.01	7.12	2.12	13,3 ^a
No till	Fence	0-20 cm	4.91	11.50	3.10	13,8 ^a
Ploughing	Control	0-20 cm	5.40	7.30	1.40	8,76 ^b
Ploughing	Fence	0-20 cm	5.43	12.86	2.01	10,2 ^{ab}
Shallow cult.	Control	0-20 cm	5.14	7.01	1.93	10,8 ^{ab}
Shallow cult.	Fence	0-20 cm	5.15	9.91	2.94	12,0 ^{ab}
No till		0-30 cm	5.46	9.40	2.67 ^a	9.98
Ploughing		0-30 cm	5.35	9.62	2.21 ^{ab}	7.84
Shallow cult.		0-30 cm	5.42	7.79	1.94 ^{ab}	10.02
No till		30-60 cm	5.72	6.10	1.24 ^b	6.35
Ploughing		30-60 cm	5.68	6.07	1.33 ^{ab}	8.80
Shallow cult.		30-60 cm	5.90	5.47	1.80 ^{ab}	10.47

¹⁾ Different letter in frame of column means significant difference among treatments (ANOVA, Tukey HSD; $p \leq 0.05$); ²⁾ DOC – dissolved organic carbon

Table 8. Easily extractable glomalin content (determined with sodium citrate at pH 7.0) and the content of readily available macronutrients (0.01 mol/l CaCl₂) in the samples from first sampling in Hungary

Tillage	C/F	Soil depth	EEG ¹⁾ (mg/kg)	P (mg/kg)	K (mg/kg)	Mg (mg/kg)	S (mg/kg)
No till		0-10 cm	960 ^{b2)}	5.12	83.1	223 ^b	2.01
Ploughing		0-10 cm	829 ^a	1.27	19.7	188 ^a	0.95
Shallow cultivation (sc)		0-10 cm	910 ^b	5.91	81.9	215 ^b	1.51
No till	Control	0-20 cm	948 ^b	3.74 ^a	61 ^a	217	2,36
No till	Fence	0-20 cm	933 ^{ab}	3.34 ^a	52 ^a	209	2,52
Ploughing	Control	0-20 cm	860 ^a	1.04 ^b	18 ^b	187	0,83
Ploughing	Fence	0-20 cm	851 ^a	1.30 ^b	18 ^b	191	1,05
Shallow cult.	Control	0-20 cm	892 ^{ab}	2.85 ^a	38 ^a	197	1,29
Shallow cult.	Fence	0-20 cm	923 ^{ab}	3.93 ^a	44 ^a	188	1,89
No till		0-30 cm	898 ^b	3.25	41.9 ^a	201	2.59
Ploughing		0-30 cm	806 ^a	0.91	23.9 ^b	193	2.11
Shallow cult.		0-30 cm	889 ^{ab}	0.96	22.2 ^b	191	2.42
No till		30-60 cm	823	0.12	6.33 ^a	198	3.16
Ploughing		30-60 cm	818	0.39	12.1 ^b	195	2.42
Shallow cult.		30-60 cm	767	0.11	6.62 ^a	193	4.24

¹⁾ EEG – easily extractable glomalin content; ²⁾ Different letter in frame of column means significant difference among treatments (ANOVA, Tukey HSD; p≤0.05)

Table 9. The content of readily available micronutrients (all in mg/kg; 0.01 mol/l CaCl₂) in the samples from first sampling in Hungary

Tillage	C/F	Soil depth	Fe	Cu	Zn	Mn	B	Mo	Ni
No till		0-10 cm	3.26	na ¹⁾	0.027	1.390	0.001 ^{a2)}	na	0.251 ^b
Ploughing		0-10 cm	2.35	na	0.000	0.167	0.157 ^b	na	0.107 ^a
Shallow cultivation (sc)		0-10 cm	2.17	na	0.014	0.679	0.035 ^a	na	0.164 ^{ab}
No till	Control	0-20 cm	2.10	na	0.000	0.647	0.030	na	0,188
No till	Fence	0-20 cm	3.15	na	0.017	0.910	0.000	na	0,228
Ploughing	Control	0-20 cm	1.44	na	0.000	0.092	0.135	na	0,088
Ploughing	Fence	0-20 cm	2.36	na	0.000	0.165	0.107	na	0,138
Shallow c.	Control	0-20 cm	1.61	na	0.000	0.458	0.000	na	0,155
Shallow c.	Fence	0-20 cm	2.04	na	0.012	0.449	0.065	na	0,139
No till		0-30 cm	1.74	na	0.000	0.369	0.155	na	0.12
Ploughing		0-30 cm	3.25	na	0.019	0.468	0.146	na	0.14
Shallow cult.		0-30 cm	2.99	na	0.006	0.389	0.168	na	0.13
No till		30-60 cm	2.67	na	0.000	0.059	0.171	na	0.06
Ploughing		30-60 cm	2.05	na	0.000	0.080	0.146	na	0.05
Shallow cult.		30-60 cm	2.10	na	0.000	0.039	0.135	na	0.03

¹⁾ na - value under detection limit; ²⁾ Different letter in frame of column means significant difference among treatments (ANOVA, Tukey HSD; p≤0.05);

Table 10. The content of readily available trace and other elements (all in mg/kg; 0.01 mol/l CaCl₂) in the samples from first sampling in Hungary

Tillage	C/F	Soil depth	Na	Al	As	Cd	Cr	Pb
No till		0-10 cm	18.2	6.89	na ¹⁾	na	na	na
Ploughing		0-10 cm	11.0	3.92	na	na	na	na
Shallow cultivation (SC)		0-10 cm	30.9	4.11	na	na	na	na
No till	Control	0-20 cm	16.2	4,12	na	na	na	na
No till	Fence	0-20 cm	15.6	6,22	na	na	na	na
Ploughing	Control	0-20 cm	10.5	2,50	na	na	na	na
Ploughing	Fence	0-20 cm	11.0	4,09	na	na	na	na
Shallow c.	Control	0-20 cm	32.3	2,99	na	na	na	na
Shallow c.	Fence	0-20 cm	21.2	3,68	na	na	na	na
No till		0-30 cm	20.1	2.99	na	na	na	na
Ploughing		0-30 cm	12.5	5.88	na	na	na	na
Shallow cult.		0-30 cm	20.6	5.37	na	na	na	na
No till		30-60 cm	8.8	4.60	na	na	na	na
Ploughing		30-60 cm	12.6	3.55	na	na	na	na
Shallow cult.		30-60 cm	10.4	3.56	na	na	na	na

¹⁾ na - value under detection limit

Tables 11. - 14. show the basic soil parameters, glomalin and readily available element content in the samples from the second sampling in Hungary. Here are compared 3/3/2 parameters – no till, shallow cultivation and ploughing/burrow, middens and soil/fence with earthworms and control. Statistical analysis was performed to compare all of these parameters together. Comparison of glomalin contents usually showed significantly higher values in soil samples than in the samples affected by earthworms (burrow and middens). It is the possible result of increased mineralization due to the earthworm activity. Only ploughing showed similar results with burrows and middens at all tillage systems. Ploughing led again to the significant decrease of phosphorus content. The contents of dissolved organic carbon at the no-till system were always higher as compared to both systems with cultivation. It is visible the tendency to decrease N-NO₃ and N-NH₄ content with ploughing. Potassium, magnesium and sulfur showed similar tendencies. Significant differences among studied parameters were found among iron, aluminum and sodium, but the reason is not clearly visible. However, the lowest values are usually again at ploughing treatment.

Table 11. The pH value, the content of bioavailable nitrogen and dissolved organic carbon (all determined with 0.01 mol/l CaCl₂) in the samples from second sampling in Hungary

Tillage	C/F	B/M/N	pH _{CaCl2}	N-NO ₃ (mg/kg)	N-NH ₄ (mg/kg)	DOC ¹⁾ (mg/kg)
No till	Control	Burrow	4.82	27.2	3.34	40.1 ^{abc2)}
No till	Fence	Burrow	4.80	17.9	5.74	33.3 ^{abc}
Shallow cult.	Control	Burrow	4.82	22.7	2.53	22.7 ^{abc}
Shallow cult.	Fence	Burrow	4.86	13.3	2.28	27.5 ^{abc}
Ploughing	Control	Burrow	5.21	7.87	2.00	15.3 ^{ab}
Ploughing	Fence	Burrow	5.30	8.60	1.37	12.0 ^a
No till	Control	Midden	4.91	26.9	5.53	46.5 ^c
No till	Fence	Midden	5.35	25.3	3.49	47.2 ^c
Shallow cult.	Control	Midden	4.92	29.6	3.90	33.9 ^{abc}
Shallow cult.	Fence	Midden	4.91	10.73	1.70	27.7 ^{abc}
Ploughing	Control	Midden	5.12	8.01	2.79	14.4 ^{ab}
Ploughing	Fence	Midden	5.24	6.51	1.45	14.6 ^{ab}
No till	Control	0-20 cm	4.78	21.2	2.18	39.8 ^{abc}
No till	Fence	0-20 cm	5.04	20.3	2.22	42.7 ^{bc}
Shallow cult.	Control	0-20 cm	4.83	9.19	1.36	19.8 ^{abc}
Shallow cult.	Fence	0-20 cm	4.89	11.0	2.05	23.1 ^{abc}
Ploughing	Control	0-20 cm	5.30	5.88	2.39	19.3 ^{abc}
Ploughing	Fence	0-20 cm	5.21	4.33	1.93	14.9 ^{ab}

¹⁾ DOC – dissolved organic carbon; ²⁾ Different letter in frame of column means significant difference among treatments (ANOVA, Tukey HSD; p≤0.05)

Table 12. Easily extractable glomalin content (determined with sodium citrate at pH 7.0) and the content of readily available macronutrients (0.01 mol/l CaCl₂) in the samples from second sampling in Hungary

Tillage	C/F	B/M/N	pH _{CaCl2}	EEG ¹⁾ (mg/kg)	P (mg/kg)	K (mg/kg)	Mg (mg/kg)	S (mg/kg)
No till	Control	Burrow	4.82	870 ^{a2)}	7.27 ^a	112.7	273 ^c	5.05 ^{ab}
No till	Fence	Burrow	4.80	872 ^a	8.58 ^a	121.6	255 ^{abc}	5.85 ^{ab}
Shallow cult.	Control	Burrow	4.82	883 ^a	6.59 ^a	63.8	238 ^{abc}	5.52 ^{ab}
Shallow cult.	Fence	Burrow	4.86	888 ^a	5.87 ^a	56.7	234 ^{ab}	4.34 ^{ab}
Ploughing	Control	Burrow	5.21	805 ^a	1.90 ^b	30.9	225 ^{ab}	3.50 ^a
Ploughing	Fence	Burrow	5.30	815 ^a	1.64 ^b	33.9	226 ^{ab}	4.26 ^{ab}
No till	Control	Midden	4.91	856 ^a	5.23 ^a	103.8	263 ^{bc}	7.75 ^{ab}
No till	Fence	Midden	5.35	886 ^a	7.88 ^a	150.0	258 ^{abc}	6.63 ^{ab}
Shallow cult.	Control	Midden	4.92	879 ^a	6.12 ^a	100.0	245 ^{abc}	11.2 ^b
Shallow cult.	Fence	Midden	4.91	873 ^a	5.05 ^a	61.9	231 ^{ab}	4.08 ^a
Ploughing	Control	Midden	5.12	842 ^a	1.68 ^b	31.8	223 ^a	4.07 ^a
Ploughing	Fence	Midden	5.24	877 ^a	1.49 ^b	63.1	220 ^a	5.49 ^{ab}
No till	Control	0-20 cm	4.78	1090 ^b	6.83 ^a	83.8	257 ^{abc}	5.05 ^{ab}
No till	Fence	0-20 cm	5.04	1069 ^b	8.20 ^a	107.6	252 ^{abc}	6.13 ^{ab}
Shallow cult.	Control	0-20 cm	4.83	1046 ^b	5.10 ^a	44.5	226 ^{ab}	3.81 ^a
Shallow cult.	Fence	0-20 cm	4.89	1044 ^b	5.84 ^a	54.4	227 ^{ab}	3.79 ^a
Ploughing	Control	0-20 cm	5.30	945 ^{ab}	1.48 ^b	28.4	221 ^a	2.44 ^a
Ploughing	Fence	0-20 cm	5.21	895 ^a	1.71 ^b	39.6	224 ^a	4.96 ^{ab}

¹⁾ EEG – easily extractable glomalin content; ²⁾ Different letter in frame of column means significant difference among treatments (ANOVA, Tukey HSD; p≤0.05)

Table 13. The content of readily available micronutrients (all in mg/kg; 0.01 mol/l CaCl₂) in the samples from second sampling in Hungary

Tillage	C/F	B/M/N	Fe	Cu	Zn	Mn	B	Mo	Ni
No till	Control	Burrow	1.83 ^{d1)}	0.02	0.03	7.64	0.221	na	0.305
No till	Fence	Burrow	1.80 ^{cd}	na ²⁾	0.02	9.55	0.188	na	0.302
Shallow cult.	Control	Burrow	1.43 ^{bcd}	0.01	0.02	5.99	0.167	na	0.306
Shallow cult.	Fence	Burrow	1.54 ^{bcd}	na	0.01	2.26	0.145	na	0.254
Ploughing	Control	Burrow	1.36 ^{abcd}	na	na	1.11	0.207	na	0.173
Ploughing	Fence	Burrow	1.18 ^{abc}	na	na	0.56	0.184	na	0.164
No till	Control	Midden	1.28 ^{abcd}	na	0.01	12.69	0.214	na	0.286
No till	Fence	Midden	1.31 ^{abcd}	na	0.03	11.09	0.148	na	0.223
Shallow cult.	Control	Midden	1.04 ^{ab}	na	na	11.79	0.163	na	0.298
Shallow cult.	Fence	Midden	1.37 ^{abcd}	na	na	2.81	0.162	na	0.241
Ploughing	Control	Midden	0.95 ^{ab}	na	na	2.66	0.186	na	0.178
Ploughing	Fence	Midden	0.79 ^a	na	na	0.95	0.160	na	0.156
No till	Control	0-20 cm	1.36 ^{abcd}	na	0.03	8.39	0.191	na	0.307
No till	Fence	0-20 cm	1.27 ^{abcd}	na	0.01	7.33	0.132	na	0.278
Shallow cult.	Control	0-20 cm	1.03 ^{ab}	na	na	3.11	0.121	na	0.265
Shallow cult.	Fence	0-20 cm	1.00 ^{ab}	na	na	2.07	0.133	na	0.247
Ploughing	Control	0-20 cm	0.97 ^{ab}	na	na	1.29	0.175	na	0.152
Ploughing	Fence	0-20 cm	1.04 ^{ab}	na	na	0.57	0.160	na	0.154

¹⁾ Different letter in frame of column means significant difference among treatments (ANOVA, Tukey HSD; p<0.05); ²⁾ na - value under detection limit

Table 14. The content of readily available trace and other elements (all in mg/kg; 0.01 mol/l CaCl₂) in the samples from second sampling in Hungary

Tillage	C/F	B/M/N	Na	Al	As	Cd	Cr	Pb
No till	Control	Burrow	17.9 ^{abcd1)}	3.57 ^c	na ²⁾	0.005	na	na
No till	Fence	Burrow	17.2 ^{abcd}	3.64 ^c	na	0.013	na	na
Shallow cult.	Control	Burrow	27.4 ^d	2.84 ^{bc}	na	0.012	na	na
Shallow cult.	Fence	Burrow	26.2 ^d	2.73 ^{abc}	na	0.010	na	na
Ploughing	Control	Burrow	12.9 ^{abc}	2.22 ^{abc}	na	0.003	na	na
Ploughing	Fence	Burrow	11.1 ^{abc}	1.87 ^{ab}	na	0.000	na	na
No till	Control	Midden	14.3 ^{abc}	2.47 ^{abc}	na	0.014	0.015	na
No till	Fence	Midden	13.2 ^{abc}	2.43 ^{abc}	na	0.007	na	na
Shallow cult.	Control	Midden	20.1 ^{bcd}	2.19 ^{abc}	na	0.009	na	na
Shallow cult.	Fence	Midden	18.0 ^{abcd}	2.47 ^{abc}	na	0.005	na	na
Ploughing	Control	Midden	10.6 ^{ab}	1.50 ^{ab}	na	0.000	na	na
Ploughing	Fence	Midden	9.40 ^a	1.26 ^a	na	0.010	na	na
No till	Control	0-20 cm	13.6 ^{abc}	2.62 ^{abc}	na	0.021	0.011	na
No till	Fence	0-20 cm	14.3 ^{abc}	2.47 ^{abc}	na	0.010	na	na
Shallow cult.	Control	0-20 cm	21.5 ^{cd}	2.01 ^{ab}	na	0.016	na	na
Shallow cult.	Fence	0-20 cm	19.3 ^{abcd}	1.77 ^{ab}	na	0.011	na	na
Ploughing	Control	0-20 cm	9.19 ^a	1.54 ^{ab}	na	0.004	na	na
Ploughing	Fence	0-20 cm	10.6 ^{ab}	1.59 ^{ab}	na	na	na	na

¹⁾ Different letter in frame of column means significant difference among treatments (ANOVA, Tukey HSD; p<0.05); ²⁾ na - value under detection limit

4.3. Experiments in Serbia

Tables 15. - 18. show the basic soil parameters, glomalin and readily available element content in the samples from the joint experiment performed in Serbia. Here, the different soil tillage systems and soil depths were compared as well as the middens. Because of treatments were not replicated, statistical analysis was not performed. However, some tendencies are clearly visible. The pH values ranged from 7.21 and 7.72 and the lowest were always found in the middens. On the other hand, the highest glomalin contents were found in middens in combination with conservation tillage, which is the opposite tendency to the Hungarian experiments. The soil depth played a role in glomalin content as well. With increasing soil depth, the content of glomalin decreased. It is obvious, because in upper soil layers is higher microbial activity. The contents of N-NO₃ were always higher with conservation treatment. The opposite tendency is visible for N-NH₄. The tendencies in readily available potassium and magnesium contents changes are comparable with the experiments realized in Hungary and Austria, where the contents at Ploughing treatment were lower as compared with Conservation tillage. The sodium content is always slightly higher at fenced treatments with earthworms. It is possible to assume, that in middens at conservation tillage is enhanced copper and manganese mobility. The tendencies in remaining readily available elements changes are not obvious.

Table 15. The pH value, the content of bioavailable nitrogen and dissolved organic carbon (all determined with 0.01 mol/l CaCl₂) in the samples from Serbia

Tillage	Soil depth	Specification	pH _{CaCl2}	N-NO ₃ (mg/kg)	N-NH ₄ (mg/kg)	DOC ¹⁾ (mg/kg)
Conservation	0-30	Worms	7.61	15.8	0.95	18.1
Conservation	30-60	Worms	7.66	24.8	0.50	16.5
Conservation	0-30	Control	7.64	8.09	0.78	18.0
Conservation	30-60	Control	7.72	11.6	0.64	19.3
Conservation	0-30	Maize field	7.59	15.3	0.80	15.9
Conservation	30-60	Maize field	7.66	14.3	0.74	14.7
Ploughing	0-30	Worms	7.66	8.98	1.09	23.5
Ploughing	30-60	Worms	7.67	13.0	1.54	15.3
Ploughing	0-30	Control	7.69	5.99	1.32	15.7
Ploughing	30-60	Control	7.70	9.63	1.51	15.6
Ploughing	0-30	Maize field	7.68	21.5	1.56	24.3
Ploughing	30-60	Maize field	7.71	15.5	1.12	15.7
Conservation I	Middens	Aboveground	7.39	37.8	1.98	47.6
Conservation II	Middens	Belowground	7.21	14.0	1.17	26.0
Ploughing III	Middens	Aboveground	7.52	8.23	1.31	34.1
Ploughing IV	Middens	Belowground	7.50	9.30	1.72	21.9

¹⁾ DOC – dissolved organic carbon

Table 16. Easily extractable glomalin content (determined with sodium citrate at pH 7.0) and the content of readily available macronutrients (0.01 mol/l CaCl₂) in the samples from Serbia

Tillage	Soil depth	Specification	pH _{CaCl2}	EEG ¹⁾ (mg/kg)	P (mg/kg)	K (mg/kg)	Mg (mg/kg)	S (mg/kg)
Conservation	0-30	Worms	7.61	549	na ²⁾	114	167	1.21
Conservation	30-60	Worms	7.66	371	na	61.3	178	1.56
Conservation	0-30	Control	7.64	471	na	142	149	1.22
Conservation	30-60	Control	7.72	311	na	32.6	153	1.32
Conservation	0-30	Maize field	7.59	527	na	202	140	2.24
Conservation	30-60	Maize field	7.66	342	na	88.2	143	1.09
Ploughing	0-30	Worms	7.66	458	na	92.5	116	1.81
Ploughing	30-60	Worms	7.67	367	na	61.3	114	1.80
Ploughing	0-30	Control	7.69	424	na	94.3	116	1.23
Ploughing	30-60	Control	7.70	287	na	41.6	116	2.23
Ploughing	0-30	Maize field	7.68	533	na	79.1	115	1.63
Ploughing	30-60	Maize field	7.71	242	na	48.1	104	1.85
Conservation I	Middens	Aboveground	7.39	1048	3.99	384	230	3.36
Conservation II	Middens	Belowground	7.21	714	1.30	263	186	1.18
Ploughing III	Middens	Aboveground	7.52	591	na	278	126	1.20
Ploughing IV	Middens	Belowground	7.50	501	na	121	111	1.11

¹⁾ EEG – easily extractable glomalin content; ²⁾ na - value under detection limit

Table 17. The content of readily available micronutrients (all in mg/kg; 0.01 mol/l CaCl₂) in the samples from Serbia

Tillage	Soil depth	Specification	Fe	Cu	Zn	Mn	B	Mo	Ni
Conservation	0-30	Worms	0.63	na ¹⁾	na	na	0.271	na	0.065
Conservation	30-60	Worms	0.86	na	na	na	0.197	na	0.081
Conservation	0-30	Control	0.93	na	na	na	0.199	na	0.065
Conservation	30-60	Control	1.02	na	na	na	0.160	na	na
Conservation	0-30	Maize field	1.15	na	na	na	0.196	na	0.084
Conservation	30-60	Maize field	1.42	na	na	na	0.128	na	0.080
Ploughing	0-30	Worms	0.94	na	na	na	0.157	na	0.079
Ploughing	30-60	Worms	0.70	na	na	na	na	na	na
Ploughing	0-30	Control	0.79	na	na	na	0.160	na	0.079
Ploughing	30-60	Control	0.84	na	na	na	0.131	na	0.100
Ploughing	0-30	Maize field	0.90	na	na	na	0.180	na	0.063
Ploughing	30-60	Maize field	0.73	na	na	na	na	na	na
Conserv. I	Middens	Aboveground	1.67	0.084	na	0.049	0.368	na	0.081
Conserv. II	Middens	Belowground	1.12	0.071	na	0.014	0.232	na	na
Ploughing III	Middens	Aboveground	1.01	na	na	na	0.236	na	na
Ploughing IV	Middens	Belowground	0.82	na	na	na	0.203	na	0.075

¹⁾ na - value under detection limit

Table 18. The content of readily available trace and other elements (all in mg/kg; 0.01 mol/l CaCl₂) in the samples from Serbia

Tillage	Soil depth	Specification	Na	Al	As	Cd	Cr	Pb
Conservation	0-30	Worms	6.50	1.04	na ¹⁾	na	na	na
Conservation	30-60	Worms	8.41	1.39	na	na	na	na
Conservation	0-30	Control	5.22	1.46	na	na	na	na
Conservation	30-60	Control	4.41	1.70	na	na	na	na
Conservation	0-30	Maize field	4.77	1.81	na	na	na	na
Conservation	30-60	Maize field	2.87	2.34	na	na	na	na
Ploughing	0-30	Worms	8.63	1.51	na	na	na	na
Ploughing	30-60	Worms	7.16	1.25	na	na	na	na
Ploughing	0-30	Control	6.62	1.22	na	na	na	na
Ploughing	30-60	Control	4.98	1.43	na	na	na	na
Ploughing	0-30	Maize field	3.72	1.54	na	na	na	na
Ploughing	30-60	Maize field	3.63	1.29	na	na	na	na
Conserv. I	Middens	Aboveground	5.90	2.72	na	na	na	na
Conserv. II	Middens	Belowground	6.16	1.89	na	na	na	na
Ploughing III	Middens	Aboveground	3.61	1.66	na	na	na	na
Ploughing IV	Middens	Belowground	8.43	1.33	na	na	na	na

¹⁾ na - value under detection limit

4.4. Maize/sunflower yields and other parameters

4.4.1. Experiments with maize in Austria

Figure 2. shows the yields reached in the experiment with maize in Austrian experiments. The influence of earthworms application is here clearly visible, where the yields were always higher as compared to the treatments without earthworms. On the other hand, differences among cultivation systems are not significant.

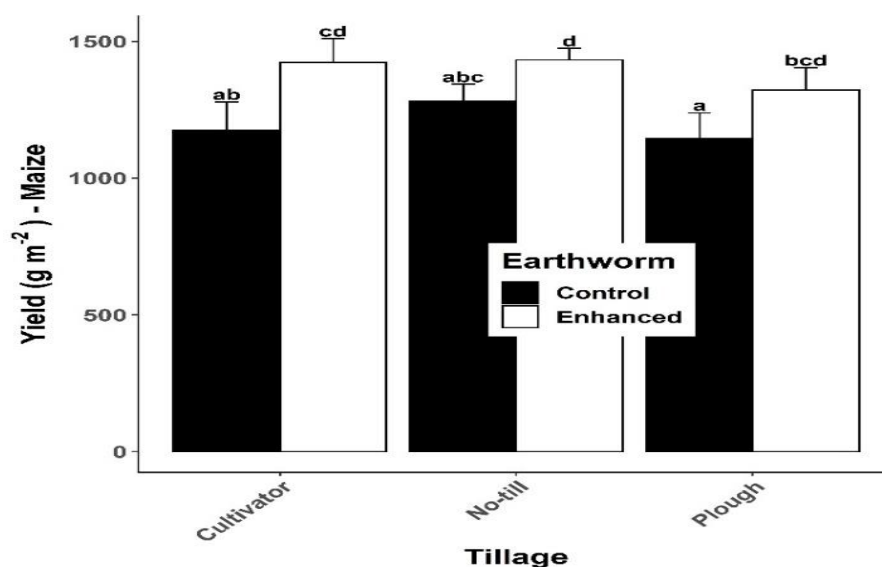


Figure 2. Maize yield under ambient earthworm population (control) and additional earthworms (enhanced) in Austria in October 2020. Treatments having no letter in common are significantly different (2-way LMM; Tukey; $P < 0.05$).

4.4.2. Experiments with sunflower in Hungary

Figure 3. shows the average yields of sunflower experiments in Hungary. The results are indicating slightly higher yields at enhanced treatment under no till system. The opposite tendency is visible at ploughing. The best results were obtained at shallow cultivation, where the sunflower yields were over 50 % higher at the enhanced treatments.

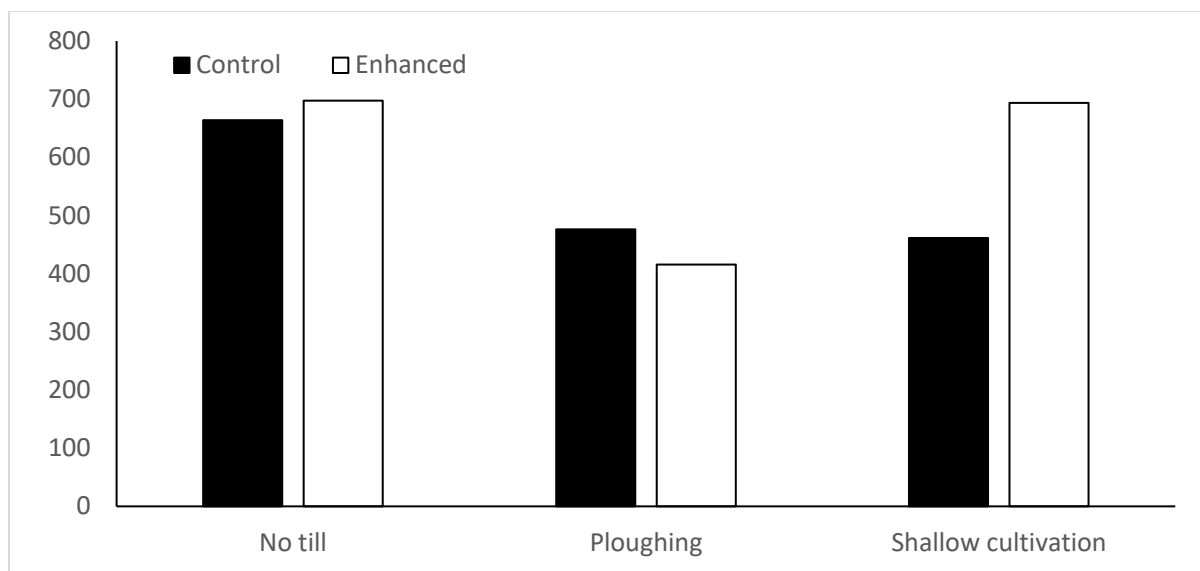


Figure 3. Average yields of the sunflower biomass in g per plant

4.4.3. Experiments with maize in Serbia

The earthworm's trail was established at two-year rotation system (maize-winter wheat) at crop rotation experiment (Figure 4). The maize yield was comparable with other cropping system within the experimental field. In conservation tillage enhanced plot was lower in yield compared with the control probably due to compaction during the plot preparation and setting. However, in the plot where plowing was applied the enchantment with earthworms showed higher yield compared with the control plots. This indicated that addition of earthworms works better at plowing tillage compared with the conservation tillage in this agro-ecological conditions.

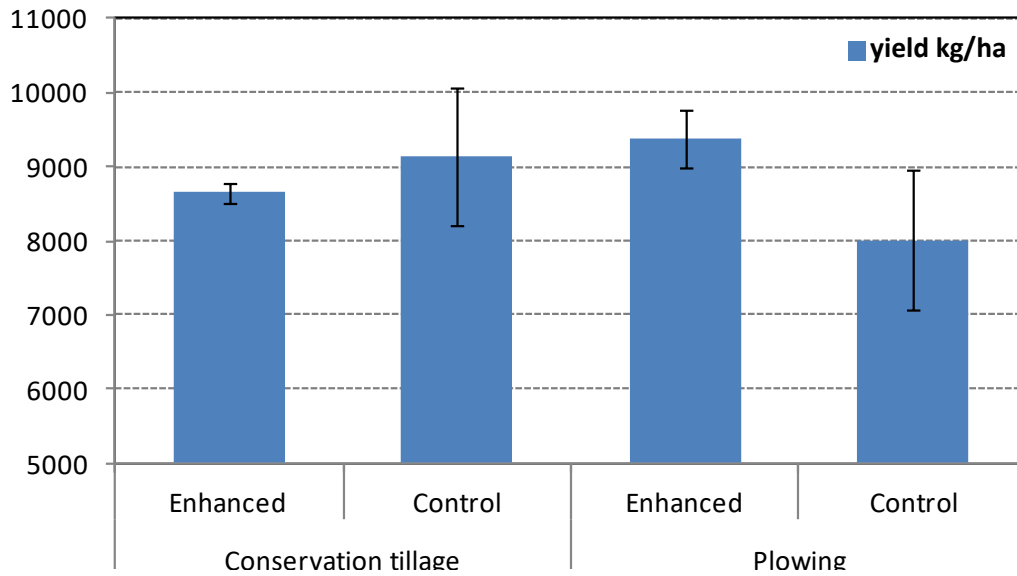


Figure 4. Maize yielded at harvest (calculated based on the 7.5 m² area)

Soil moisture was measured regularly 8 times during the maize vegetation (Figure 4). The difference between tillage systems were observed but also between enhanced and control plots. Enhancement with earthworms can be responsible for higher moisture particularly for the initial 3 measurements as well as September and October. During the maize intensive growth this differences were less pronounced.

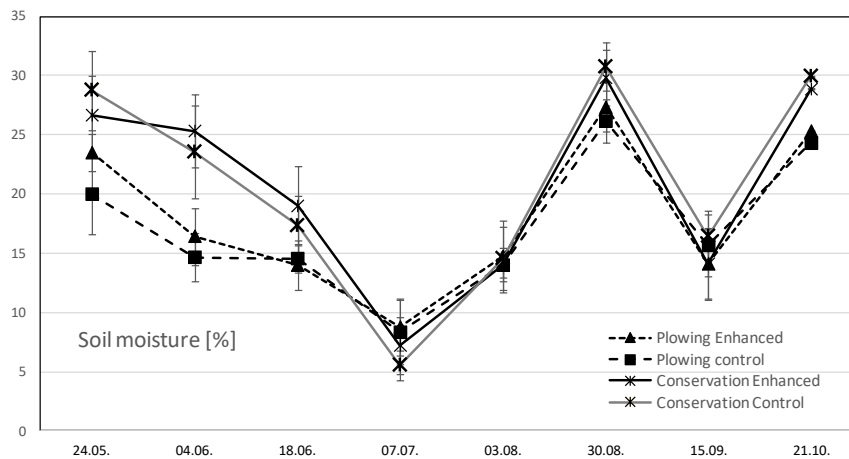


Figure 4. Soil moisture dynamic at the experimental field

5. Actions in frame of the joint experiments

5.1. Staff training in Hungary

The planned Staff training in Hungary, previously planned for the year 2020, was postponed to the year 2021 due to the COVID-19 pandemic. It was organized by MATE, Dr. Barbara Simon, in Gödöllő between 28. and 2.7.2021. The costs for travelling and accommodation were funded by Erasmus+ program. The participants of staff training visited the field experiments in Hungary and participated on the analysis and results evaluation. It was intensively discussed the unification of joint experiments and the results evaluation. In the frame of staff training was organized the lecture of guest professor Kevin Richard Butt, who is the expert in the area of earthworm behavior. Furthermore, it was discussed the preparation of common publication and further cooperation.

5.2. Online meetings

In the frame of the CASEE project were organized 14 online meetings to coordinate the experiments as well as discuss the analysis results and prepare the publications.

5.3. Common publication and data presentation

The results will be presented on the 12th International Symposium on Earthworm Ecology (ISEE12), which starts 10th July 2022 in Rennes, France. Because the results are still not completely evaluated, previously planned presentation on CASEE conference 2022 will be realized on the CASEE conference 2023. It is planned to submit joint publication in the journal of impact factor.

6. Conclusion

Based on the results we can conclude that soil tillage system has usually strong influence on the contents of readily available nutrients in soil. On the other hand, earthworm enhancement usually did not led to the significant effect on the investigated soil properties. It is possible to see the positive effect of earthworm enhancement on the maize yields in Austria, which are significant across the soil tillage systems. The results of the field experiments in Hungary and Serbia in case of yields of sunflower and maize are ambiguous. Further investigation is needed to deeply understand the influence of applied earthworms on soil and plant properties.

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8. Project costs summary

Project budget

Expt. year	Item	CASEE target budget (€)	Personal costs (€)	Sum of planned budget (€)
April 2020-21	Worm fence, Set-up, conduction (AT)	1000	4000	5000
	Set-up demonstration trial MATE (HU)	100	500	600
	Training grants (2 persons)	520		520
	Guest lecturer (1 person)	700		700
	Training costs (material, transportation, room)	180	2160	2340
April 2021-22	Worm fence, setup, conduction (HU, SRB)	1800	5500	7300
	Analyses (Soil, Plants, Worms)	2100	14500	16600
	Samples shipping, transportation	600	1500	2100
Total sum		7000	28160	35160

8.1. Costs spend and the explanation of money translocations

The costs for the project are summarized in table 19. Explanation of the money translocations. Previously planned costs for staff training grants (520 €) and costs (180 €) were not spent, because the number of participants was reduced due to the COVID-2019 restrictions. The staff training costs for all participants were covered from Erasmus+ program. The costs for the demonstration trials in Hungary (100 €) are included in the invoice for field trial establishment in the year 2021. The costs for the samples shipping were reduced from 600 € to 205.11 € (included in invoices from Vienna), because most of the samples was transported personally from the staff training in Hungary. Saved costs were translocated to the laboratory analysis costs, because of i) additional analysis of glomalin ii) increasing costs for chemicals and laboratory equipment (especially plastics).

Table 19. Summarization of project costs

Year		Costs (original currency)	Costs (incl. VAT)	Costs (CZK)
2020	Field experiments in Austria	797.13 €	964.53 €	25314.09
2021	Field experiment in Hungary	938.45 €	1135.52 €	28916.02
	Field experiment in Serbia (paid in 2022)	968.27 €	1171.61 €	23591.90
	Lecture of DR. Butt in Hungary	700 €	700 €	17800.00
	Exchange rate losses		-16.15 CZK	-16.15
	Bank fees		200 CZK	200.00
2022	Costs for the analysis (samples from HU, AT, SRB)	65935.80 CZK	79782.56 CZK	79782.56
	Exchange rate losses		437.88 CZK	437.88
	Bank fees		135.00 CZK	135.00
Total				176161.30

Sum of costs overreached the planned budget (according to the course from 24.6.2022) for 2911.3 CZK. These costs will be translocated on another projects.

9. Appendixes

Appendix 1.

Costs for the experiments in Austria (2020)

1.1. Summary invoice

1.2. Summarizing table of items

1.3. Scans of invoices



Ceská zemedelská univerzita
v Praze
Martin Kulhanek
Kamýčká 129
165 00 Praha 6 - Suchbát
Czech Republic

Invoice	90115472
Date of Invoice:	31.12.2020
Your Customer No.:	21002704
Your Order No.:	
Your Order:	113080
Period:	01.08.2020 - 31.08.2020
Responsible Officer:	Duygu Lenitz
Email:	duygu.lenitz@boku.ac.at
Internal Project No.:	7955012439
Your VAT Number:	CZ60460709

Teilabrechnung CASEE Projekt 2020

Description	Quantity	Units	Tax %	Unit price	Amount/EUR
Für Leihgebühren von Maschinen, Postgebühren, Transportgebühren, Verbrauchsmaterial (Plastikfolien, und Baumaterial) und Probenmaterial (Regenwürmer) stellen wir ihnen einen Betrag in der Höhe von € 797,13 in Rechnung	1	AU	0 RC	797,13	797,13
Total					797,13
Output Tax			0% (Reverse Charge)		0,00
Invoice total EUR					797,13

Terms of payment:
Payable immediately Due net

Pay comfortably
with QR-Code!



Reverse Charge

Represented by:
Versuchswirtschaft Groß-Enzersdorf
Schloßhoferstraße 31
2301 Groß Enzersdorf
Tel.: +432249230215
www.boku.ac.at

Bank connection:
Raiffeisenlandesbank NÖ-Wien AG
IBAN: AT41 3200 0095 0050 0512
BIC/SWIFT: RLNWATWW
UID: **ATU16285008**
EORI: ATEOS1000081383
DVR: 0059234

Headquarters:
Gregor Mendel-Straße 33
A-1180 Vienna
Please note our terms & conditions.
www.agb.boku.ac.at

Number	Company	Ware	Price	Currency
1	BOELS	Lease of agrotechnique	257.89	Euro
2	LIBRO	Adhezive tapes on fences	14.36	Euro
3	FISHERMAN'S	Earthworms	35.00	Euro
4	FISHERMAN'S	Earthworms	250.0	Euro
5	BAUPARK	Fences	109.3	Euro
6	AUSTRIAN POST	Consignment of materials	19.28	Euro
7	FISHERMAN'S	Earthworma	21.00	Euro
8	AUSTRIAN POST	Consignment of materials	15.28	Euro
9	AUSTRIAN POST	Consignment of materials	31.56	Euro
10	AUSTRIAN POST	Consignment of materials	12.90	Euro
11	AUSTRIAN POST	Consignment of materials	15.28	Euro
12	AUSTRIAN POST	Consignment of materials	15.28	Euro
Total			797.13	Euro



Boels Österreich GmbH Gerasd.
 Wilhelm Hornbachstrasse 4
 2201 Wien-Gerasdorf

Tel +43 (0)2246-34330, Fax +43 (0)2246-34330331
 Absendeadresse: Laxenburger Straße 50 2351 Wiener Neudorf

Fa. Universität f. Bodenkultur Wien Versuchswirtschaft Grc
 Schlosshoferstraße 31
 2301 Groß Enzersdorf

Rechnung

Rechnungsnummer	3920013655
Rechnungsdatum	22-04-2020
Ihr Zeichen	
Kundennummer.	CASH (4702044)
USt-IdNr	
Vertragsnummer	0430048868

Bestellt von

Artikelnummer	Artikelbeschreibung	Miettermin	Tag	Woche/ Einzelpr	Anzahl	MwSt Code	Woche/ Tage	Rabatt %	%HB A +%HB B	Betrag
123550167	Erdkabelfräse Benzin	21/04/20	22/04/20	152,00	608,00	1,00 3	0 1	20,00	10,00	121,60
323007	Verschleiß-Klingen Benzingerabenfräse				43,80	1,00 3		0,00		43,80
40115	Aspen 4T Alkylatbenzin 1L-Flasche				4,25	4,00 3		0,00		17,00
40116	Aspen 4T-Alkylatbenzin 5L-Kanister				19,85	1,00 3		0,00		19,85
40216	Umweltgebühr klasse b	21/04/20	22/04/20	0,50	2,50	1,00 3	0 1	0,00	0,00	0,50
*HAFTUNGSBEGRENZUNG A (für Schäden exklusiv Feuer/Diebstahl/Einbruch):					1,00					12,16
*HAFTUNGSBEGRENZUNG B (Feuer/Diebstahl/Einbruch): Nicht vereinbart/nicht zutreffend										

Unterschrift: _____
 Name in Druckbuchstaben: _____

Das Guthaben wird zurück überwiesen auf IBAN AT162011128210431500 Universität f. Bodenkultur Wie

Code	MwSt%	Subtotal	MwSt	Lieferadresse :
3	20,00	214,91	42,98	

Subtotal	€	214,91
MwSt.	€	42,98
Gesamtbetrag	€	257,89
Kautions bezahlt	€	300,00
Zahlungen	€	-42,11

ING Wien IBAN AT08 1936 0004 5439 5425 BIC INGBATWW
 Bei Zahlung bitte Rechnungs-Nr. und Kunden-Nr. angeben

Seite 1 (Letzte Seite)

Boels Maschinenverleih Österreich GmbH
 Laxenburger Straße 50
 2351 Wiener Neudorf

Tel. 02236 688-0
 Fax. 02236 88-5100
 debitor@boels.at
 www.boels.com

ING Bank
 Kto.-Nr. 00454395425 BLZ 19360
 IBAN: AT08 1936 0004 5439 5425
 SWIFT/BIC: INGBATWW
 UID ATU 62790625
 DVR 0938416
 FN 281985 i
 Handelsgericht Wien
 Gläubiger ID: AT74ZZZ0000008692

Für alle Verträge mit unseren Kunden gelten ausschließlich unsere allgemeinen Mietbedingungen; diese liegen an jeder Boels - Niederlassung im Kassenbereich aus, sind in den Katalogen abgedruckt und können zudem unter www.boels.com im Internet eingesehen, bzw heruntergeladen werden. Alle andere Bedingungen sind ausgeschlossen.

2

LIBRO

LIBRO
VIELEN DANK FÜR
IHREN EINKAUF!

Datum: 22.10.2020

Zeit: 14:23

TESA MALER- KREPP	C	3.59
TESA MALER- KREPP	C	3.59
TESA MALER- KREPP	C	3.59
TESA MALER- KREPP	C	3.59

Summe EUR 14.36

Gegeben KK Mastercard 14.36


B E Z A H L I 23203680
 Debit Mastercard 191433
 XXXX XXXX XXXX 8249 (7) 12/24
 TKC010278968168 Beleg Nr : 037652
 EA000000041010 C01
 20201022 142332
 A269D88554/B175FB30D4C2A90110E73
 MASTERCARD CONTACTLESS

Betrag dankend erhalten

Umtausch innerhalb von 14 Tagen
nur mit Kassabon möglich

Bei Gutscheinkarten, Geschenkboxen,
iTunes-Karten und
elektronischen Ladebons
ist kein Umtausch möglich!

U : 20% MwSt von 11.97 = 2.39



PL Handelsgesellschaft mbH
 2301 GROSSENZERSDORF
 WIENERSTRASSE 12
 Kundenservice Tel: 05 0181 1919
 ATU 56240311

Filiale: 03901 Kassa: 2 Bon-Nr: 3274
 Pos: 4 Kassier: Bed.Nr. /7
 Re-Nr: 3901-20201022-02-3274

HEUTE HÄTTEN SIE 14 GS MIT
IHRER JO-KARTE GESÄMMELT!

3.

Steiner-Angelzubehör GesmbH
Fisherman's Partner
Marchfelderstrasse 27b
2301 Groß Enzersdorf

Kunde

Rechnung

Kassen-Nr.: 1
Bon. KA018822 Datum: 06 08 20 17 21
Verkäufer: WINOFFA

Tatwurm-Box 10 Stk
39-1065 10,00 ST 35,00

Zahlungsbetrag € 35,00
in 35,00

BANKOMAT € 35,00
35,00

13 0% MvST von 30,97 4,03

UID Nr.: ATU69367869



Lfd Nr. : 2020-00004435
KassenID: Kasse-01

4.

Steiner-Angelzubehör GesmbH
Fisherman's Partner
Marchfelderstrasse 27b
2301 Groß Enzersdorf

Kunde:

Rechnung

Kassen-Nr.: 1
Bon. KA018470 Datum: 14.05.20 17:2
Verkäufer: WINOFFA

Tauwurm-Box10Stk			
39-1065	110,00	ST	309,00
Mengen Rabatt			
39-1065	-1,00	ST	-58,00
Zahlungsbetrag		€	250,00
		in	250,00
<hr/>			
BANKOMAT		€	250,00
			250,00

13 0% MWST von 221,24 = 28,76

UID-Nr.: ATU69387889



Lfd. Nr.: 2020-00002083
KassenID: Kasse-01

5,

1a marketing + logistik GmbH
Leipziger Str. 51 | 42109 Wuppertal

Bearbeiter: Herr Förster

Bei Rückfragen bitte angeben!

Pia Euteneuer
Universität für Bodenkultur ATU16285008
SchloßhoferStr 31
2301 Groß-Enzersdorf
Austria

BelegNr.	Kunden-Nr.	Belegdatum
2045028794	310935	15.04.2020

Rechnung

Ihre Bestellung: 028-8602460-1622764

Artikelnr.	Bezeichnung	Menge	ME	Einzelpreis	Gesamtpreis
4138150	doitBau Mauerwerkssperre 0,5m x 50lfm	4,00	Rolle	19,90 €	79,60 €
Summe brutto:					79,60 €
Versandkosten:					29,70 €
Gesamt brutto:					109,30 €
Gesamt netto:					91,85 €
zzgl. 19 % MwSt.:					17,45 €
Gesamt brutto:					109,30 €

Es gelten unsere allgemeinen Geschäftsbedingungen. Die gelieferte Ware bleibt bis zur vollständigen Bezahlung unser Eigentum. Das Leistungsdatum entspricht dem Rechnungsdatum.

Zahlung: Vorkasse
bereits bezahlt

Lieferung: GLS Paketversand

6.

österreichische Post AG
UID-Nr.: ATU46674503
2301 Groß-Enzersdorf
Dr. Anton Krabichler-Platz 1
Tel.: 0800 010 100
post.at

Es bediente Sie:
00365613

Datum: 02.11.2020 08:25

Rechnung Nr.: 23010101132483

Stk Bezeichnung	EUR
1 Paket Großbritannien u Nordirland, K bis 4 kg LKW-Haut	19,09 0
Sendungsnummer: (n): CA230195178AT	0,19 0



SUMME	08 USt.	19,28	19,28
			0,00 0

BEZAHLT

Debit Mastercard 23219764
 XXXX XXXX XXXX 8249 (7) 014234
 TKC010329202023 12/24
 EA0000000041010 Beleg Nr.: 016173
 20201102 082500 C01
 E5A35BD9407F448743868B2371A555F2
 MASTERCARD CONTACTLESS
 Kreditkartenrechnungsnummer: 0000007747

.....
 Vielen Dank für den Versand Ihrer Sendung(en)
 mit der österreichischen Post AG! Bitte heben Sie
 diesen Beleg auf. Er ist der Nachweis für die
 Aufgabe von Paketen/Post Express.
 Den Sendungsverlauf können Sie hier verfolgen:
 Eingabe o. a. Sendungsnummer(n) auf
www.post.at/sendungsverfolgung
 oder Barcode-Scan in der Post App Sendungsverfolgung
www.post.at/app

.....
WIR DANKEN FÜR IHR KOMMEN
 Informationen zum Datenschutz finden Sie unter
post.at/datenschutz

7.

Steiner-Angelzubehör GesmbH
Fisherman's Partner
Marchfeldersstrasse 27b
2301 Groß Enzersdorf

Kunde

Rechnung

Kassen-Nr.: 1
Bon: KA018767 Datum: 26.05.20 10.01
Verkäufer: WINOFFA

Tauwurm-Box 10 Stk 39-1065	6,00 ST	21,00
Zahlungsbetrag	€	21,00
	in	21,00
BANKOMAT	€	21,00
		21,00

13.0% MWST von 16,88 = 2,42

UID-Nr.: ATU69387889



Lfd. Nr.: 2020-00002380
KassenID: Kasse-01

8.

Österreichische Post AG
UID-Nr: ATU46674503
2301 Groß-Enzersdorf
Dr. Anton Krabichler-Platz 1
Tel.: 0800 010 100
post.at

Es bediente Sie:
00339848

Datum: 19.08.2020 08:19

Rechnung Nr.: 23010300898333

Stk	Bezeichnung	EUR
1	Paket Light Ungarn, H bis 4 kg	15,09 0
	LKW-Haut	0,19 0

Sendungsnummer (n):

CA230190140AT



1 Ausgabe Produktprobe

SUMME		15,28
	0% USt.	0,00 0

BEZAHLT 23219764
 Debit Mastercard 003728
 XXXX XXXX XXXX 8243 (7) 12/24
 TKC010329202025 Beleg Nr.: 013316
 EA000000041010 001
 26200810 081932
 207E59CDF1FF37600B06BE38E0569AC0
 MASTERCARD CONTACTLESS
 Kreditkartenrechnungsnummer: 0000036431

Österreichische Post AG
UID-Nr: ATU46674503
2301 Groß-Enzersdorf
Dr. Anton Krabichler-Platz 1
Tel.: 0800 010 100
post.at

Es bediente Sie:
00335048

Datum: 27.04.2020 15:19

Rechnung Nr.: 23010300487859

Stk	Bezeichnung	EUR
1	Paket Großbritannien u Nordirland, S bis 2 kg LKW-Haut	16,09 0 0,19 0

Sendungsnummer(n):

CA230181885AT



1	Paket light Großbritannien u Nordirland, M bis 4 kg LKW-Haut	15,09 0 0,19 0
---	---	-------------------

Sendungsnummer(n):

CA230181899AT



SUMME		31,56	0,00 0
0% USt.		31,56	

BEZAHLT
Debit Mastercard 23219764
XXXX XXXX XXXX 8249 (7) 000000
TKC010329202023 12/24
EAD000000041010 Beleg Nr.: 009993
20200427 151850 C01
CG

10.

Österreichische Post AG
UID-Nr.: ATU46674503
2120 Walkersdorf im Weinviertel
Wiener Straße 10
Tel.: 0060 010 100
post.at

Es bediente Sie:
00311965

Datum: 04.05.2020 11:14

Rechnung Nr.: 21200200518398

Stk Bezeichnung		EUR
1 Brief priority Großbritannien u Nordirland, XL		12,90 0
SUMME		12,90
0% USt.	12,90	0,00 0

B E Z A H L T
 Debit Mastercard 23219781
 XXXX XXXX XXXX 8249 (7) 203510
 TKC010329202083 12/24
 E40000000041010 Beleg Nr.: 009676
 20200504 111965 (01)
 779E0CBE7EA12367F821807667680E6A
 MASTERCARD CONTACTLESS
 Kreditkartenrechnungsnummer: 0000004160

WIR DANKEN FÜR IHR KOMMEN

Informationen zum Datenschutz finden Sie unter:
post.at/datenschutz

Es gelten die Allgemeinen Geschäftsbedingungen
der Österreichischen Post AG in der zum Zeitpunkt
des Vertragsabschlusses geltenden Fassung.



Holen Sie sich gleich das
Postkarten Heft
Erdmännchen im Tiergarten Schönbrunn
Es enthält 6 exklusive Postkarten und
6 Briefmarken mit Bildern der
süßen Erdmännchen.

11.

österreichische Post AG
UID-Nr: ATU46674503
2301 Groß-Enzersdorf
Dr. Anton Krabichler-Platz 1
Tel.: 0800 010 100
post.at

Es bediente Sie:
00355613

Datum: 12.11.2020 15:48

Rechnung Nr.: 23010101133582

Stk	Bezeichnung	EUR
1	Paket light Großbritannien u Nordirland, M bis 4 kg LKW-Haut	15,09 0 0,19 0

Sendungsnummer(n):
CA230195748AT



SUMME		15,28
0% USt.	15,28	0,00 0

BEZAHLT 23219764
 Debit Mastercard 298781
 XXXX XXXX XXXX 8249 (7) 12/24
 TKC010329202023 Betrag Nr.: 017960
 EA000000041010 C01
 20201112 154820
 61C099FCAF50F4F18FC5441D88827838
 MASTERCARD CONTACTLESS
 Kreditkartenrechnungsnr.: 000008027

12.

Österreichische Post AG
UID-Nr.: ATU46674503
2203 Großebersdorf, Post Partner
Münichsthaler Straße 27
Tel.: 0800 010 100
post.at

Datum: 27.08.2020 15:24

Rechnung Nr.: 22030100849356

Stk	Bezeichnung	EUR
1	Paket light Großbritannien u Nordirland, N bis 4 kg LKV-Maut	15,09 0
	Sendungsnummer (n): CC220319641AT	0,19 0



SUMME		
0% USt.	15,28	15,28
		0,00 0

WIR DANKEN FÜR IHR KOMMEN

Informationen zum Datenschutz finden Sie unter
post.at/datenschutz

Es gelten die Allgemeinen Geschäftsbedingungen
der Österreichischen Post AG in der zum Zeitpunkt
des Vertragsabschlusses geltenden Fassung.

Die Verrechnung erfolgt
in Naken und auf Rechnung
der Österreichischen Post AG.



BAR

Appendix 2.

Costs for the experiments in Hungary (2021)

2.1. Summary invoice

2.2. Summarizing table of items

2.3. Scans of invoices



Invoice

Számla sorszáma - Invoice nr: 9011006827

Rendelésszám - Order nr: 10005434

Supplier/Szállító:

**Magyar Agrár-és Élettudományi
Egyetem**

HU-2100 Gödöllő Páter Károly utca 1

Tax no./Adószám: 19294784-2-13

Account no./Bankszla: 11784009-22234780

VAT ID no./Közösségi adószám: HU19294784

IBAN: HU36117840092223478000000000

SWIFT-kód: OTPVHUBB

Buyer/Vevő:

Česká zemědělská univerzita v Praze

165 00 PRAHA 620

Kamýcká 129, 165 00 Praha-SUCHDOL

VAT ID no./Közösségi adószám: CZ 60460709

Buyers country/Vevő országa: Czech Republic

Customer number: Vevő törzsszáma: 300060	Payment: Fizetés módja: Deviza átutalás	Date of delivery: Teljesítés dátuma: 03.06.2021	Invoice date: Számla kelte: 08.06.2021	Payment due: Fizetési határidő: 03.07.2021	Invoice number: Számla sorszáma: 9011006827
---	--	--	---	---	--

Additional data/Egyéb adatok:

Time period: 1st April to 31st May, 2021

Internal project number: CASEE fund 2020-2

Nr. Ssz	Mat.number Cikksz.	Descript. Megnev.	Quantity: Mennyi:	Unit: M.egys.:	Unit price: Egységár:	Net value: ÁFA alap:	VAT%: ÁFA%:	VAT: ÁFA érték:	Gross value: Bruttó érték:
1.	801206	Loaning of digging machinery/Egyéb szolgáltatás - külföldi	1	ALK	146,66	146,66	ATH		146,66
2.	801274	Product/Vásárolt termékek - külföldi	1	PC	791,79	791,79	MAA		791,79
			consumables (eg. geotextile, drawing pins, etc.), building materials (eg. wooden lath, nails, etc.), test organism (earthworms).						
Sum/Összesen EUR:						938,45		0,00	938,45

Net value: ÁFA alap:	VAT%: ÁFA%:	VAT: ÁFA érték:	VAT in HUF: ÁFA érték HUF:	Gross value: Bruttó érték:
791,79	H%	0,00	0	791,79
146,66	K%	0,00	0	146,66

To be paid/Fizetendő EUR: 938,45**Exchange rate/Könyvelési árfolyam: 346,43000 HUF/EUR**

Adómentes Közösségen belüli termékértékesítés, új közlekedési eszköz nélkül /The customer is liable to pay VAT (Directive 112 of 2006., 2007. CXXVII. 89§)

Az átutalás közlemény rovatába kérjük feltüntetni a számla 9011006827 sorszámát.

Number	Company	Ware	Price	Currency
1	Buda-Házépítő Kft.	Fences	47590	HUF
2	DPMG Dél-Pest Megyei	Screws, knife, stapler	9712	HUF
3	Fekete Péter Miklósné	Geotextiles	30390	HUF
4	Müller droigeria	Sun protection cover	2895	HUF
5	Prime support Kft.	Earthworms	92965	HUF
6	Jancsek Tibor	Lease of agrotechnics	50800	HUF
7	Praktiker Kft.	Shovel, scissors, toolboxes, sprayer	70930	HUF
8	Dutch	Materials for decomposition experiment	57,10	EUR
Total			938.45 EUR (325107.234 HUF)	

SZÁMLA

Eredeti példány

BUDA-HÁZÉPÍTŐ KFT.
TŰZÉP

Kibocsátó:

Buda-Házépítő Kft.
2700 Cegléd, Szolnoki út 77.
Adószám: 22723895-2-13
Bankszámlaszám: 16200106-11550107
Tel./Fax: 06-53-311-612
Cégjegyzék szám: 13-09-138321
EU adószám: HU22723895
EUTR: AA5839533
E-mail: budahazepito@gmail.com

Vevő:

Magyar Agrár és Élettudományi Egyetem
2100 Gödöllő, Páter Károly utca 1.
Adószám: 19294784-2-13

Fizetés módja:	Teljesítés:	Fiz. határidő:	Kiállítás:	Példány:	Számlaszám:
bankkártya	2021.04.12.	2021.04.12.	2021.04.12.	1. / 3	BUP6-SZ-1954612

CASEE Project

Megnevezés:	Vtsz/Szj:	Áfa:	Nettó ár:	Mennyiség:	Nettó érték:	Áfa tartalom:	Bruttó érték:
1. Tetőléc Bramac (35006) 5% kedvezmény	4407	27% 27%	190,55 Ft -1 972,21 Ft	207 fm 1 db	39 444,1 Ft -1 972,21 Ft	10 649,91 Ft -532,5 Ft	50 094 Ft -2 504,71 Ft

Nettó összesen: 37 471,89 Ft

Áfataralom összesen: 10 117,41 Ft

Kerekítés: 0,71 Ft

Azaz: negyvenhétezer-ötszázkilencven HUF

Végösszeg: 47 590 Ft

.....
Vevő

.....
Kibocsátó
Buda-Házépítő Kft.
+36-30-730-1839

Köszönjük, hogy nálunk vásárolt!

A számla ellenértékének kiegyenlítéséig az áru az eladó tulajdonát képezi!

A raklapot az eredeti számla bemutatásával a vásárlástól számított 3 hónapon belül tudjuk visszavenni!

Az áru kiadása a 3. lapszámra történik. Osztályos termékekre minőségi reklamációt nem fogadunk el. Méret és színtónus reklamációt kizárólag a burkolás előtt tudunk elfogadni. Az árut mennyiségileg és minőségileg átvettem. Alulírott kijelentem, hogy a Buda-Házépítő Kft-től lakossági fogyasztóként saját felhasználásra vásároltam az energiaadóról szóló 2003 évi LXXXVIII. törvény hatálya alá tartozó szénféleséget, azzal jövedelemszerző gazdasági tevékenységet nem végzek, így a részemre történő értékesítés energiaadó -mentes.

www.budahazepito.hu
budahazepito@gmail.com
+36-53-311-612

SZÁMLA

(Eredeti példány 2. példányos számla 1. példánya)

Szállító DPMG Dél-Pest Megyei
Mezőgazdasági Zrt.
2700 Cegléd, Bede 575.
Telefon 53/311-277
WEB www.dpmgrt.hu
Adószám 10859290-2-13
Közösségi adószám HU10859290
Bankszámla 10103812-04057837-00000002

Szállítási cím 2700 Cegléd, Külső Kátai út 98. Gazdaáruház
Telefonszám 53/505-932
E-mail cím gazdaaruhaz@dpmgrt.hu

Vevő MAGYAR AGRÁR-ÉS ÉLETTUDOMÁNYI EGYETEM
2100 Gödöllő, PÁTER KÁROLY U. 1.
Adószám 19294784-2-13

Száll.cím MAGYAR AGRÁR-ÉS ÉLETTUDOMÁNYI EGYETEM
2100 Gödöllő, PÁTER KÁROLY U. 1.
Telefon
Növsz.eng.szám.:
Szem.ig.szám.: Kategória.:
Term.díj átváll.szerz.ikt.szama.:
Érvényesség.:

Számlaszám: SB1121-01518
Fiz.határidő: 2021.04.16

Bizonylat dátuma: 2021.04.16 Fizetési mód: Bankkártya
Teljesítés dátuma: 2021.04.16 Vevői rendelés: Száll.lev./Külső biz.:
Megjegyzés:

VTSZ	Megnevezés	Kiszerezés	Kategória	Mennyiség	M.E	Cikkszám	Súly (kg)
	Egységár Eng.% Eng.Egységár.	Adóalap	ÁFA %	ÁFA összeg	Bruttó érték		
7616	Gipszkartoncsavar fához 3.5 x 45 3,94 0,00 3,94	1.0/db	1970,00	27	500,00 DB 532	22494 2 501,90	0,00
8211	Festa Letörhető pengés kés 18mm 16105 519,69 0,00 519,69	1.0/DB	519,69	27	1,00 DB 140	17941 660,01	0,00
8305	Stanley tűzgépkapocs G 10mm 905,51 0,00 905,51	1.0/DB	905,51	27	1,00 DB 244	17868 1 150,00	0,00
8205	Festa 23925 tűz gép 4 251,97 0,00 4 251,97	1.0/DB	4 251,97	27	1,00 DB 1 148	27311 5 400,00	0,00

ÁFA bontás	ÁFA%	ALAP	ÁFA	BRUTTÓ
	27	7 647,26	2 064,74	9 712,00
Összesen		7 647,26	2 064,74	9 712,00

Fizetendő: 9 712,00 Ft

Azez: kilencezer-hétszázötvenkettő Ft

Közlemény CASEE PROJECT



számlázó

árúkiadó

árut / számlát
fuvarozásra átvette

árut/eredeti számlát
átvette

ELEKTRONIKUS SZÁMLA
SZ-ON-2021-2592

Öntözés
webáruház

ELADÓ

Fekete Péter Miklósné e.c

Mezőhegyes
Táncsics utca 16
5820
Magyarország

ADÓSZÁM: 26220617-2-04

KÖZÖSSÉGI ADÓSZÁM: HU26220617

BANKSZÁMLASZÁM: Forint: 53300081-18563162-00000000

IBAN: Euró: HU98 5330 0081 0000 2947

SWIFT/BIC: TAKBHUHBXXX

VEVŐ

**Magyar Agrár- és
Élettudományi Egyetem**

Gödöllő
Páter Károly utca 1
2100
Magyarország
19294784-2-13

SZÁMLA KELTE:	TELJESÍTÉS KELTE:	FIZETÉSI HATÁRIDŐ:	FIZETÉSI MÓD:			
2021. 04. 16.	2021. 04. 16.	2021. 04. 18.	Átutalás			
MEGNEVEZÉS	MENNYISÉG	NETTÓ EGYSÉGÁR	NETTÓ ÁR	ÁFA	BRUTTÓ ÁR	
Geotextília 200 g / m2 fekete (az ár 1 m ² -re vonatkozik)	80 db	272 Ft	21 732 Ft	27%	27 600 Ft	
Szállítás banki előre utalás után	1 db	2 197 Ft	2 197 Ft	27%	2 790 Ft	
			NETTÓ ÖSSZEG:	23 929 Ft		
			27% ÁFA:	6 461 Ft		
			FIZETENDŐ BRUTTÓ VÉGÖSSZEG:	30 390 Ft		

MEGJEGYZÉS

CASEE project

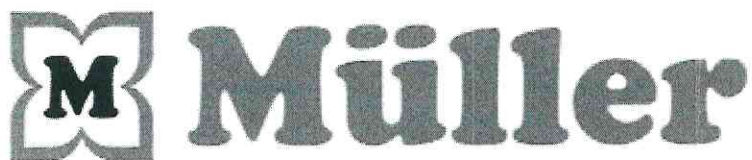
Köszönjük, hogy minket választott! A számla aláírás és bélyegző nélkül hiteles! A számlán szereplő tételeket hiánytalanul, hibátlanul átvettem. A számla kiegyenlítéséig az áru a szállító tulajdonát képezi.
Késedelmes fizetés esetén igényt tartunk a Ptk. 2013 CC törvény 301/B.p-a alapján a 40€ fixösszegű behajtási költség általány megfizetésére és a hegybanki alapkamat +8%-os késedelmi kamatra a megfizetés napjáig.

1/1 OLDAL

A számla tartalma mindenben megfelel a hatályos törvényekben foglaltaknak

Ez a számla Billingo online számlázó programmal készült.
Gyors és élvezetes számlázás bármikor, bárhol: Billingo.hu





Müller Drogéria Magyarország Bt., 1052 Budapest, Váci utca 19-21

KÉSZPÉNZFIZETÉSI SZÁMLA

ELADÓ:

5219
3000 Hatvan,
Bibó István út 3
Adószám: 22367488-2-44

VEVŐ:

MATE EGYETEM
2100 GÖDÖLLŐ
PÁTER KÁROLY UTCA 1.
Adószám: 19294784-2-13

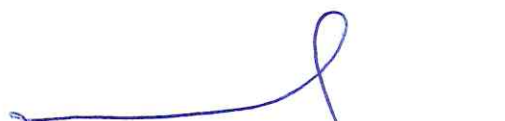
SZÁMLA SZÁMA: 5219-0004833
HIVATKOZÁSI SZÁMA: 11619004594166
NYUGTA SZÁMA: NY/FTHA11400095/2400/00112
Fizetés módja: BANKKÁRTYA

SZÁMLA KIÁLLÍTÁS KELTE: 2021.04.21.
FIZETÉS KELTE: 2021.04.21.
PÉLDÁNY: 1

SZ.	M. SZ.	MEGNEVEZÉS	MNY	E.	E. ÁR	ÉRTÉK	ÁFA%	ÁFA ÉRT.	BRUTTÓ ÉRT
1	129731	ALCO "SUN" R	1	DB	1 251,97	1 251,97	27,00	338,03	1 590
2	29210	ALCO RAJZSZ	1	DB	342,52	342,52	27,00	92,48	435
3	29210	ALCO RAJZSZ	1	DB	342,52	342,52	27,00	92,48	435
4	29210	ALCO RAJZSZ	1	DB	342,52	342,52	27,00	92,48	435
ÖSSZEG FORINT						2 279,53		615,47	2 895

ÁFA%	NETTÓ ÉRT.	ÁFA ÉRT.	BRUTTÓ ÉRT.
27,00	2 279,53	615,47	2 895
	2 279,53	615,47	2 895

TOVÁBBÉRTÉKESÍTÉS ESETÉN A JÖVEDÉKI TERMÉK SZÁRMAZÁSÁNAK IGAZOLÁSÁRA NEM ALKALMAS. A SZÁMLA KÉT PÉLDÁNYBAN KÉSZÜLT.


Eladó aláírása





SZÁMLA

Számlaszám:
BF2021/00620

Számla kiállító adatai:

Prime Support Kft.
2182 Domony, Magyarország
Hegyalja u. 36.
Adószám: 23174115-2-13
EU adószám: HU23174115
Mobil:+36 30 297 6272 E-mail: info@baitfactory.hu

Vevő adatai:

Magyar Agrár- és Élettudományi Egyetem Szent István
Campus
2100 Gödöllő
Páter Károly u. 1.
Adószám: 19294784-2-13

Bankszámlaszám:
MKB
10300002-10572610-49020012
SWIFT: MKKB HU HB

Fizetési mód	Számla kelte	Teljesítés időpontja	Fizetési határidő
átutalás	2021.04.28.	2021.04.28.	2021.05.06.

#	Megnevezés	Cikkszám	Menny.Mee.	Nettó egységár	ÁFA	Nettó érték	ÁFA érték	Bruttó érték
1.	KANADAI ÓRIÁS GILISZTA hungarocell dobozos	KANADAI extra	100,000db	732,0	27%	73 200,0	19 764,0	92 964,0
				(27%-os ÁFA)	27%	73 200,0	19 764,0	92 964,0
				Összesen:		73 200	19 764	92 964
				Kerekítés:				1

Fizetendő végösszeg: 92 965 Ft
(kilencvenkettőezer-kilencszázhatvanöt forint)

Prime Support Kft.
2182 Domony
Hegyalja u. 36.
Adószám: 23174115-2-13



Jancsek Tibor, OCSG-00064108
2174 Verseg
Kossuth Lajos utca32.
Adószám: 49868456-2-33

Bankszámlaszám:
5540006011006299

SZÁMLA

Sorszám: JT-2021-14

VEVŐ:

Magyar Agrár- és Élettudományi Egyetem
2100 Gödöllő
PÁTER KÁROLY UTCA 1.
Adószám: 19294784-2-13

Fizetési mód: készpénz
Teljesítés dátuma: 2021.04.28.
Kiállítás dátuma: 2021.04.30.
Fizetési határidő: 2021.04.30.

Megnevezés	Menny.	Egységár	Nettó ár	ÁFA	Áfaérték	Bruttó ár
Mezőgazdasági gépi bérmunka, CASEE project	4 óra	10 000	40 000	27%	10 800	50 800
Összesen:			40 000		10 800	50 800
				áfa 27 %:	10 800	

Összesen:
50 800 Ft

A számla aláírás és bélyegző nélkül is érvényes!

FELIR szám: AA0609230

Tranzakció: 559543

SZÁMLA1. oldal
Megrendelés szám: 1031937

Számka kelte: 2021.04.28. 08:19 Teljesítés kelte: 2021.04.28. 08:01 Fizetés módja: Átutalás Fizetési határidő: 2021.04.28. 08:01: BH/341/999/0000120849 Számlaszám:

Szállító neve, címe:
Praktiker Kft.Praktiker Kft.
1095 Budapest, Mester utca 87.Bank neve: Erste Bank
Számlaszám: 11600006-00000000-76965148

Adóigazgatási szám: 12136849-2-44

Vevő neve, címe:

Magyar Agrár-és Élettudományi Egyetem
2100 Gödöllő
Páter Károlyu.1.

Adóigazgatási szám: 19294784-2-13

Cikkszám	Megnevezés VTSZ/KN	Mennyiség	ME	Nettó egységár	Nettó érték	ÁFA%	ÁFA érték	Bruttó érték
5999552418935	NYOMÁSPERMETEZŐ KÉZI 2L 84242000	3	DB	2046,46	6139,38	27%	1657,63	7797
3253561792168	SZERSZÁMOSLÁDA 394X22X162 CM 39269097	2	DB	4723,62	9447,24	27%	2550,75	11998
9007993503885	LAPÁT + KEFE SZETT HOSSZÚ NYELŐ 39241000	1	DB	3148,82	3148,82	27%	850,18	3999
5999550480682	LAPÁT KERTI MINI (TEMETŐI) 82011000	10	DB	1967,72	19677,20	27%	5312,84	24990
8020581333252	KÉZI PERMETEZŐ 1 L 84242000	10	DB	660,63	6606,30	27%	1783,70	8390
3253561755149	SZERSZÁMOSLÁDA 13X32X18CM 39269097	2	DB	2597,64	5195,28	27%	1402,73	6598
5996093043336	METSZŐOLLÓ 82015000	2	DB	2361,42	4722,84	27%	1275,17	5998
5996093700178	WEBSHOP HÁZHOZSZÁLLÍTÁSI DÍJ 1 DB	1	DB	913,39	913,39	27%	246,62	1160
ÁFA bontás:		ÁFA kulcs		ÁFA alap	ÁFA érték		Bruttó érték	
		27%		55850,28	15079,72		70930	

Számka érték ÁFA-val:

azaz hetvenezer-kilencszázharminc Ft

70 930 Ft

Fizetőeszköz	Árfolyam	Érték	Ft érték
Átutalás			70 930 Ft
HÚSÉKGÁRTYA SZÁMA: 3600148524 JELEN VÁSÁRLÁSÁVAL 70930 Ft FORGALMAT GYŰJTÖTT EGYENLEGÉHEZ, MELY ÍGY 70930 FT, AMELLYEL 0% KEDVEZMÉNYRE JOGOSULT MINDEN TOVÁBBI VÁSÁRLÁSOKOR, AMENNYIBEN HÚSÉKGÁRTYÁJÁT HASZNÁLJA! A KÖVETKEZŐ KEDVEZMÉNYSEINT ELÉRÉSÉHEZ MÉG 0 Ft FORGALMAT KELL GYŰJTENIE!			

Megjegyzés:





Invoice INV202102443

Order ORD202102767

Hungarian University of Agriculture and Life Sciences

Barbara Simon
Páter Károly 1
2100 Godollo
Pest
Hungary

simon.barbara@uni-mate.hu
Tel +43 3628522000 / +36303032256

www.dutchsupermarket.com

info@dutchsupermarket.com
Tel +31268488510

Dutchsupermarket.com

Het Geerken 31
6932 MZ Westervoort
Gelderland
Netherlands, The

Invoice number	Order number	Customer number	Chamber of Commerce registration nr	VAT number
INV202102443	ORD202102767	138499477	Date Tuesday 04 May 2021	19294784-2-13

Description	Article code	Quantity	VAT	Item price	Discount	Subtotal
Lipton Rooibos Tea Rooibos Tea	THEE056	5x	0%	€4,29	€2,15	€19,30
Lipton Green Tea Sencha Green Tea	THEE049	5x	0%	€4,29	€2,15	€19,30
Shipping & handling PostNL Zone 06		1x	0%	€18,50	€0,00	€18,50
Payment costs Mollie - Visa		1x	0%	€0,00	€0,00	€0,00

Discount code: TBI10 (€4,29)

- VAT shifted -

Total €57,10

Company information

COC number 09149253
Registered at Arnhem
VAT number NL8141.99.422.B01

Bank details

Account holder Certoros VOF
Bank KNAB
IBAN NL89KNAB0737186275
BIC KNABNL2H

Shipping address

Hungarian University of Agriculture
and Life Sciences
Barbara Simon
Páter Károly 1
2100 Godollo
Pest
Hungary

Payment method

Mollie - Visa

Appendix 3.

3.1. Contract for work (lecture) for Dr. Kevin Richard Butt (2021)

3.2. Flight ticket (Dr. Butt)

CONTRACT FOR WORK

concluded pursuant to Section 2586 et seq. of Act No. 89/2012 Coll., the civil code, as amended,

between

Czech University of Life Sciences Prague

registered office: Kamýcká 129, 165 00 Praha – Suchdol

ID No.: 60460709

represented by: prof. Ing. Jiří Balík, CSc., dr. h. c.

(head of the department; the payer of the financial operation)

prof. Ing. Daniela Pavlíková, CSc.

(professor; budget administrator)

source of finance 21140/1540/5409

(hereinafter referred to as "Client")

and

Dr. Kevin Richard Butt

e-mail: [kributt@uclan.ac.uk](mailto:krbutt@uclan.ac.uk)

residing at: 23 Kingsmuir Avenue, Fulwood, Preston, PR2 6AG, United Kingdom

date of birth: 15. 9. 1959

(hereinafter referred to as "Contractor")

(together also referred to as "Contracting parties")

Article I.

Subject matter of the Agreement

- 1) Based on this agreement and under conditions stated herein below Contractor undertakes to perform at his own expenses and risk incorporeal work: lectures and know-how transfer in frame of staff training in Hungary (hereinafter referred to as "work") and Client undertakes to take over the work and pay to the Contractor the price of work which is stipulated in Art. II of this Agreement.
- 2) Work is performed for the purpose of: Staff training in Hungary for CASEE project no. 2020-2.

Article II.

Price for work and payment

- 1) Contracting parties agree that the total price for work is 17 800,- CZK¹.
- 2) Client shall pay the price for work to the bank account No. 39957446, kept by 60-14-55. In case the bank account is kept abroad the name of recipient is Dr. Kevin Richard Butt; address of the

¹ If the Contractor in the given year has income from employment (employment relationship, agreement on working activity, agreement on work performance) and other income according to Section 7 to 10 of Act No. 586/1992 Coll., on Income Tax, as amended (hereinafter referred to as "ITA"), which in total exceeds the amount of CZK 6,000 for the relevant year, it is its duty to file a tax report for the relevant period. If the Contractor does not have income from employment in the given year, the other income pursuant the Section 10 of the ITA is considered as taxable, if in total exceeds CZK 30,000 per year. In such a case, the Contractor is obliged to file a tax report for the relevant period.


recipient (if it is different from the address of Contractor stipulated in heading of this agreement):
 23 Kingsmuir Avenue, Fulwood, Preston, PR2 6AG, UK; IBAN: GB45 NWBK 6014 5539 9574 46 ;
 name of the recipient's bank: National Westminster Bank ; SWIFT code: NWBKGB2XXXX ; address
 of the recipient's bank (including street, if SWIFT code is not stated): Milton Keynes Branch, 501
 Silbury Boulevard, Saxon Gate East, Milton Keynes, MK9 3ER, UK.

- 3) Price for work will be paid no later than 40 days from the take over of the work.

Article III.

Deadline of the performance of work

- 1) Contracting parties agree that work will be performed, handed over by Contractor and taken over by Client no later than 5. 7. 2021.
- 2) The work is taken over on the day of issue of the confirmation of receipt by the Client. On behalf of the Client the work will be taken over by: (Martin Kulhánek, CZU, 21140 - Department of Agroenvironmental Chemistry and Plant Nutrition, ID No. 3968).

MARTIN KULHANEK
 30.6.2021 

Article IV.

Governing law

- 1) This agreement shall be governed by the law of the Czech Republic. Contracting parties undertakes to resolve all disputes arising from this agreement amicably. This agreement is drawn up in English. All other version in foreign languages are working versions only and are not legally binding.


Article V.

Final provisions

- 1) This agreement becomes valid and effective on the day of its signature by both Contracting parties. The agreement is drawn up in three executions. Client shall receive two executions and Contractor shall receive one execution.
- 2) Contractor unconditionally agrees with publication of full version of this agreement so that it may be subject to information provided pursuant the Act No. 106/1999 Coll., on Free Access to Information, as amended.
- 3) Contractor acknowledges and agrees he is person obligated to co-act pursuant to the Act No. 320/2001 Coll., on Financial Control in Public Administration and on the Amendment to some Acts (Act on Financial Control), as amended. Contractor as person obligated to co-act shall fulfil all obligations arising from Act on Financial Control.
- 4) By signing of this agreement Contracting parties declare they have read the agreement before signing, agree to its contents and declare that this agreement is drawn up pursuant to the serious will of the Contracting parties, not under distress or noticeably unfavourable conditions.

In Prague.....22.6.2021

For Client:



.....
prof. Ing. Jiří Balík, CSc., dr. h. c.
the payer of the financial operation



.....
prof. Ing. Daniela Pavlíková, CSc.
budget administrator

In Preston.....22.6.2021

For Contractor:



.....
Dr. Kevin Richard Butt

 **MR KEVINRICHARD BUTT**

 Ticket number: **0823894470979**
 The ticket number is valid for all flights

 **Outbound, Sunday 27 June 2021**
Departure
11:05
 Sunday 27 June 2021

Manchester
 (MAN)

Arrival
13:25
 Sunday 27 June 2021

Brussels
 (BRU) Zaventem Intl. Apt.

 Online check-in number
Q745PG
Brussels Airlines
Flight time: 1 hour(s) 20 minute(s)

 Flight number: SN2174
 Class: Economy

 Transfer to another aircraft. **Transfer time 2 hour(s)**
 **Baggage: Not included**
Departure
15:25
 Sunday 27 June 2021

Brussels
 (BRU) Zaventem Intl. Apt.

Arrival
17:20
 Sunday 27 June 2021

Budapest
 (BUD)

 Online check-in number
Q745PG
Brussels Airlines
Flight time: 1 hour(s) 55 minute(s)

 Flight number: SN2825
 Class: Economy

 **Baggage: Not included**
 **Inbound, Sunday 04 July 2021**
Departure
06:35
 Sunday 04 July 2021

Budapest
 (BUD)

Arrival
08:20
 Sunday 04 July 2021

Frankfurt
 (FRA) Intl. Apt.

 Online check-in number
Q745PG
Lufthansa
Flight time: 1 hour(s) 45 minute(s)

 Flight number: LH1343
 Class: Economy

 Transfer to another aircraft. **Transfer time 1 hour(s) 25 minute(s)**
 **Baggage: Not included**
Departure
09:45
 Sunday 04 July 2021

Frankfurt
 (FRA) Intl. Apt.

Arrival
10:25
 Sunday 04 July 2021

Manchester
 (MAN)

 Online check-in number
Q745PG
Lufthansa
Flight time: 1 hour(s) 40 minute(s)

 Flight number: LH942
 Class: Economy

 **Baggage: Not included**

Flight schedule changes

Flight numbers and departure times can change at any time. We'll always try to tell you as soon as possible if this happens, but we recommend checking the airline website as they can make changes without us knowing. Making sure you check in online 24 hours before you depart means you can confirm your flight details at the same time.

Traveller names

To make sure your surname always shows on your ticket in full, sometimes your middle name(s) may be shortened or removed. Don't worry, this won't affect your ability to check in and travel.



Appendix 4.

Costs for the experiments in Serbia (2021)

4.1. Summary invoice

4.2. Summarizing table of items

4.3. Scans of invoices



Faculty of Agriculture
Trg D. Obradovića 8
21000 Novi Sad
Tel: 021/485-3500
Account: UPRAVA ZA TREZOR 840-68790-77
VAT: 100239025

**107954 Czech University of Life
Sciences Prague**

Kamýcká 129
16500 Praha 6
CZECH REPUBLIC
VAT : 604 607 09

INVOICE No 222000-00003

Currency EUR
Invoice date 17.02.2022

Service	Amount Each	Rebate (%)	Amount
1. Experimental set up, Consumables, Sample transfer	968,27	0,00	968,27

Note: Exchange rate 1 EUR = 117,583 RSD

TOTAL: 968,27 EUR
TOTAL: 113.852,09 RSD

**PAYMENT INSTRUCTION
SWIFT MESSAGE MT103-EUR**

FIELD 32A: VALUE DATE-EUR-AMOUNT
FIELD 50K: ORDERING CUSTOMER
FIELD 56A: DEUTDEFF
(INTERMEDIARY) /DE20500700100935930800

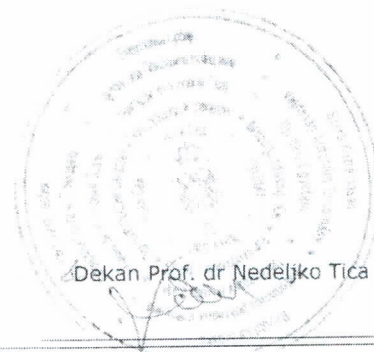
FIELD 57A: NBSRRSBG
(ACC.WITH BANK)

FIELD 59: /RS35840000000006879077
(BENEFICIARY) UNIVERSITY OF NOVI SAD
FACULTY OF AGRICULTURE NOVI SAD

FIELD 70: DETAILS OF PAYMENT

VALUE ADDED TAX WAS NOT CALCULATED IN ACCORDANCE WITH THE PARAGRAPH 24.1.2 OF THE LAW ON VAT

Handwritten signature



Dekan Prof. dr Nedeljko Tica

Handwritten signature

University of Novi Sad
 Faculty of Agriculture
 Department of Field and Vegetable Crops
 Sq. Dositeja Obradovića 8
 21000 Novi Sad, Serbia
 Tel. +381 21-4853444-
 Fax. +381 21-458-033
 E-mail: srdjan.seremesic@polj.uns.ac.rs



Cost Specification for CASEE project : University of Novi Sad - Faculty of Agriculture

Nr	Description / Specification	From	Date	Invoice number	Price (RSD)	Comment
1	Seed for experiment	Agrodukat	3.11.2021	424	26.498,17	Part of invoice after public procurement
2	Fertilizer (UREA) 46%	Agrodukat	30.3.2021	23	37.453,12	Part of invoice after public procurement
3	Agricultural mechanization services	Agrodukat	3.11.2021	424/1	18.689,00	Part of invoice after public procurement
4	Lab material	KEFO	8.10.2021	21-300-008125	4.998,00	For soil nitrogen analyses
5	Travel cost to experimental plots	-	9.8.2021		985,52	Experiment sampling
6	Travel cost to experimental plots	-	17.6.2021		971,28	Experiment sampling
7	Consumables	Brico S	8.5.2021	A-3004450	1.625,00	Nails, metal parts stapler and stapler gun and staples
8	Consumables	Beta B	7.5.2021	ИА071302	3.672,00	Wooden poles for experimental set up nails
9	Consumables	URADI Sam	7.5.2021	CJ028820	5.759,00	Plastic foil, ax and saw
10	Consumables	Gigartron	1.12.2021	AJ106250	1.189,00	Hand refrigerator for sample transfer
11	Consumables	Briko S	20.11.2021	АГ200162	499,00	Mulibox for samples handling
12	Consumables	TR Reproshop	12.11.2021	ТД044912	280,00	ZIP bags for soil samples
13	Samples transfer to Czech republic	FedEX	3.12.2021	1-27536-128/21	11.233,00	Using Fedex for sending soil samples abroad
SUM					113.852,09	RSD
					968,27	EUR

Prof. dr Srđan Šeremešić

25 ГОДИНА

АГРО ДУКАТ
 ПОЉОПРИВРЕДНИ ФАКУЛТЕТ
 КУЉА ЗА ДОБРЕ ДОМАЋИНЕ
 НОВИ САД
 ДЕКАНАТ

212000-00078

(47)

1 ~~2~~

АДРЕСА Константина Данила бб, 23000 Зрењанин
 ПИБ 100903976 | МБР 08708495
 ТЕЛЕФОН +381 23 548 759 | ФАКС +381 23 548 657
 Е-МАИЛ direkcija@agrodukat.rs
 www.agrodukat.com

Рок плаћања по овом рачуну је _____

Примљено:	30-03-2021		
Орг. јед.	Број	Прилог	Вредност
3000	947		

Mesto i datum izdavanja: ZRENJANIN, 03.03.2021

Žiro račun br.: 170-30018165000-46

! Kupac: 478 POLJOPRIVREDNI FAKULTET
 ! TRG DOSITEJA OBRADOVICA 8
 ! 21000, NOVI SAD
 ! PIB : 100239025

ОТПРЕМНИЦА - РАЧУН Br.

23

Datum prometa : 03.03.2021 Valuta : 16.04.2021

PLAĆANJE : VIRMANSKI

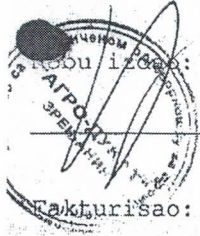
stavljamo račun za sledeću robu sa magacina AGRO-DUKAT DOO MAGACIN 1 :

ŠIFRA	NAZIV ARTIKLA	JM	KOLIČINA!	BEZ PDV		!RABAT! % !	PDV ! % !	IZNOS !		SA PDV	
				CENA	VREDNOST!			PDV !	CENA	VREDNOST	
8686	VEST.DJUB.UREA 46% DZAMBO RUSKA	T	8,000	42560,00	340480,00	0.00	10,00	34048,00	46816,00	374528,00	
3114	VEST.DJUB.AN 34,4% DZAMBO VRECE	T	5,950	30220,00	179809,00	0.00	10,00	17980,90	33242,00	197789,90	

UREA 1000kg 46.816,00	ZBIR	
2000-97: Mx 600kg 19.545,20	VREDNOST	520.289,00
	RABAT	0,00
3000-97: UREA 7000kg 327.712,00	OSNOVICA PDV-a POSEBNA 10%	520.289,00
Mx 5300kg 177.844,70	POSEBNA STOPA PDV-a 10%	52.028,90
	UKUPNO ZA PLAĆANJE	572.317,90

Slovima : PETTOSSEDAMDESETDVEHILJADETRISTOSSEDAMNAEST dinara 90/100

426231 / 25211110533
 123982



Robu primio: Ime i prezime: _____

br. l. karte : _____

(potpis)

Fakturisao: Ђељко Јелена
 ime i prezime

Kontrolisao: _____
 ime i prezime

Прик Кривожић
 VII

potpis

potpis

2000 = Σ 66.761,20

VALUTNA KLAUZULA: Ukupno RSD sa PDV-om 0,00 po srednjem kursu NBS na dan 03.03.2021, 1 RSD = 0,0000 RSD.

NAČIN PLAĆANJA: U dinarskoj protivvrednosti po srednjem kursu NBS na dan uplate, ali ne manje od fakturisane dinarske vrednosti.

- NAPOMENA: 1. Za neblagovremeno plaćanje, obračunavamo zateznu kamatu.
 2. Molimo Vas da se prilikom uplate računa pozovete na broj : 123982
 3. Za sve sporove nadležan je Trgovinski sud u Zrenjaniinu.
 4. U slučaju neizvršenja obaveze plaćanja, a dodje do promene cena dobavljača, izvrše se prefakturisanje robe.
 5. NAPOMENA O PORESKOM OSLOBODJENJU _____

OVAJ RAČUN JE RAĐEN NA RAČUNARU I PUNOVAŽAN JE BEZ POTPISA I PEČATA

Operator: 12

1 _____

2

AGRO DUKAT
za dobre domaћine

Адреса Константина Данила бб. 23000 Зрењанин
пИБ 100903976 | МЕР 08708495
ТЕЛЕФОН +381 23 548 759 | ФАКС +381 23 548 657
Е-МАИЛ direkcija@agrodukat.rs
www.agrodukat.com

212000-50272

Робу издао: _____
Робу примио: _____
Име и презиме: _____
Бр. 1. карте: _____
Возило: _____

! Kupac: 478 POLJOPRIVREDNI FAKULTET
! TRG DOSITEJA OBRADOVICA 8
! 21000 NOVI SAD
! PIB : 100239025

OTPREMNICA - RAČUN Br. 424

Датум промета : 03.11.2021 Валута : 03.11.2021
ПЛАЋАЊЕ : VIRMANSKI
Постављамо рачун за следећу робу са магацина AGRO-DUKAT DOO MAGACIN 1 :

KOD	NAZIV ARTIKLA	JUM	KOLIČINA	BEZ PDV		RABAT	PDV	IZNOS	SA PDV	
				CENA	VREDNOST				%	CENA
30	SEM.PSENICA ZEPHYR 500/1+REDIGO PRO	KOM	11,000	30110,00	331210,00	0.00	10,00	33121,00	33121,00	364331,00

ZBIR	:	
VREDNOST	:	331.210,00
RABAT	:	0,00
OSNOVICA PDV-a POSEBNA 10%	:	331.210,00
POSEBNA STOPA PDV-a 10%	:	33.121,00
UKUPNO ZA PLAĆANJE	:	364.331,00

2000-97: 145.732,40
3000-97: 218.598,60

Словима : TRISTOŠEZDESETČETIRIHILJADETRISTOTRIDESETJEDAN dinar 00/100

426241/2021-110533
123962

Робу издао: _____
Робу примио: _____
Име и презиме: _____
Бр. 1. карте: _____
Возило: _____
(potpis)
Фактурисао: _____
Име и презиме: _____
Потпис: _____
Контролисао: _____
Име и презиме: _____
Потпис: _____

ВАЛУТНА КЛАУЗУЛА: Укупно RSD са PDV-ом 0,00 по средњем курсу NBS на дан 03.11.2021, 1 RSD = 0,0000 RSD.
НАЧИН ПЛАЋАЊА: У динарској противвредности по средњем курсу NBS на дан уплате, али не мање од фактурисане динарске вредности.
6.PRINTER("ELITE")&&PRINTER("BOLDON")&NAPOMENA: &PRINTER("BOLDOFF")&1.Za neblagovremeno plaćan:
2.Molimo Vas da se prilikom uplate računa pozovete na broj : 424
3.Za sve sporove nadležan je Trgovinski sud u Zrenjaninu.
4.U slučaju neizvršenja obaveze plaćanja, a dodje do promene cena dobavlјaca, izvrs: se prefakturisanje robe.
5. NAPOMENA O PORESKOM OSLOBODJENJU _____
6. PLAĆANJE: 40% IZNOSA I CEO IZNOSA PDV-A PLATITI 15 DANA OD PROMETA ROBE A PREOSTALI IZNOS NAJKASNIJE DO 30.09.2022.

ОВАТ РАЧУН ЈЕ РАЂЕН НА РАЧУНАРИ И ПИНОВАЏАН ЈЕ БЕЗ ПОТПИСА И ПЕЧАТА

3



АГРО ДУКАТ
Кућа за добре домаћине

АДРЕСА Константина Данила бб. 23000 Зрењанин
ПИБ 100903976 | МБР 08708495
ТЕЛЕФОН +381 23 548 759 | ФАКС +381 23 548 657
Е-МАИЛ direkcija@agrodukat.rs
www.agrodukat.com

3000 (97) (29)

213000 - 00944

РЕТЕФИ 21/22 = 61577,00

РОСТАНА 21/22 = 37786,00

Купас: Poljoprivredni fakultet
Trg Dositeja Obradovića 8
21000 Novi Sad

Mesto i datum izdavanja: Zrenjanin, 03.11.2021.
Žiro račun: 170-30018165000-46

Рок плаћања по овом рачуну је 10.11.21

(одговорно лице) W

Predračun (424/1)

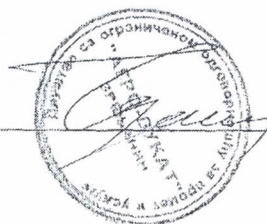
I rata po ugovoru 1000-16/237/6/П4 165.605,00

УНИВЕРЗИТЕТ У НОВОМ САДУ
ПОЉОПРИВРЕДНИ ФАКУЛТЕТ
НОВИ САД
ДЕКАНАТ

UKUPNO ZA PLAĆANJE: 165.605,00
Po ugovoru br. 1000-16/237/6/П4

Примљено:	10-11-2021		
Орг јед.	Број	Прилог	Вредност
3000	3981		

Predračun izdao:



426241
12000 20111-110533
Гарантујем својим потписом да је
овај податак потпуно, истинита,
датумски тачна и да верно
одговара пословној промени.

(потпис)
UČETA 213000 - 00944

PDV

3000 - 97 : 19.872,60 + 79.490,40 = 99.363,00

PDV

2000 - 97 : 13.248,40 + 52.953,60 = 66.242,00

RN-213000 -

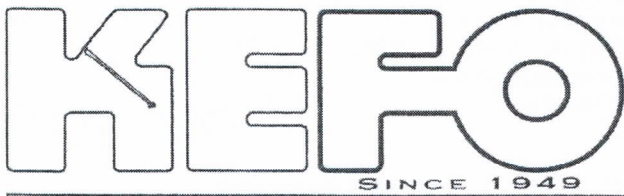
426241 = 119.235,60
131211 = 119.235,60

Гарантујем својим потписом да је ово
књиговодствено књижице протхедло и
да је истинито, тачно, датумски тачно
и да верно одговара пословној промени.
II РАНТ = 237-Р9/12

AGRODUKAT.rs

426241 / 131211 = 119.235,60

4



KEFO d.o.o. Beograd
Bačka 1U, 11080 Beograd - Zemun
tel:011 36 99 209;fax:011 36 99 309

2000-97

PIB: 105046072
Matični br: 20302216
Tekući račun: 340-11012806-03 RSD ERSTE BANK A.D
160-379253-30 RSD BANCA INTE SA



212000-00243

УНИВЕРЗИТЕТ У НОВОМ САДУ
ПОЉОПРИВРЕДНИ ФАКУЛТЕТ

Kupac:
POLJOPRIVREDNI FAKULTET NOVI
SAD
DRAGAN KOVACEVIC
TRG DOSITEJA OBRADOVICA 8
SR-21101 Novi Sad
PIB: SR100239025
Maticni broj: 08608369

НОВИ САД
ДЕКАНАТ

Strana: 1
Datum izdavanja: 23.09.2021
Mesto izdavanja: Beograd
Datum prometa dobara: 20.09.2021.
Datum valute: 02.11.2021.
Br. vaše porudžbenice:

Примљено: 06-10-2021			
Орг. јед	Број	Прилог	Вредност
2000-	3429		

FAKTURA: 21-300-008125

Идентификациона број	Назив	Кoličina	JM	Cena	R %	Cena sa rabat	PDV%	Vred. bez PDV
31052029L*SLT	MENZURA 100ML, A KLASA, LOT SERT.	1,00	KOM	325,00	0,00	325,00	20,00	325,00
9141181*LLG	ERLENMAJER SG 100ML, 10KOM	3,00	Kom	1,280,00	0,00	1,280,00	20,00	3,840,00

Ukupno: 4,165.00
Iznos rabata: 0.00
Vrednost sa rabatom: 4,165.00
Vrednost PDV: 833.00
Ukupno za plaćanje: RSD 4,998.00

Slovima: četiri hiljadestdevetstodevedesetosam RSD 00/100

Poreske stope	Osnova	PDV	Vrednost
Promet proizvoda po opštoj stopi 20%	4,165,00	833,00	4,998,00

partija 5- 172

Prilikom plaćana upišite broj 21-300-008125

Roba dostavljena na adresu: 406721
POLJOPRIVREDNI
TRG DOSITEJA
SR-21101 Novi Sad
123961/100914
202111

Napomena o poreskom oslobođenju: NEMA

Fakturirano od strane
KEFO 04
JOVANKA OBRENOVIC
BEOGRAD
Tel. br: 011 36 99 209
E-mail: jovanka.obrenovic@kefo.rs

LABORATORIJA

Dr. Krunoslav Brčić
(odgovorno lice)

Rok plaćanja po ovom računu je 28.10.2021.
(odgovorno lice)

LAB AGRONAMIJA

5

На основу предњег налога извршио сам службено путовање и подносим следећи

ПУТНИ РАЧУН

Дневнице	Дан одласка	27. 07 у 12 ^ч час.	Број час.	Број Днев.	По динара	СВЕГА ДИНАРА
	Дан повратка	27. 7 у 15 ^ч час.				
Превозни трошкови	од	до	Врста превоза	кл.	Динара	
	Нови Сад	ЧЕТЕ	19 X 172,9 X 0,15 =		492,76	
	ЧЕТЕ	Нови Сад	19 X 172,9 X 0,15 =		492,76	
Остало	36 X 0,08 = 2,88 X 172,9 = 497,95					
	985,52 - 497,95 = 487,57					
Свега						985,52
Примљена аконтација						
Број прилога:			Остаје за исплату-уплату			985,52

у Новом Саду дана 09. 08 20 21 *[Signature]*
(подносилац рачуна)

Потврђујем да је путовање извршено према овом налогу и одобравам исплату путног рачуна од динара _____ словима: _____

на терет _____ у _____ дана _____ 20 _____
Ликвидирао: _____ Руководилац рачуноводства, _____ Налогодавац.

Исплатио _____ дин. _____
Наплатио _____ Благданек, _____
Примио _____ дин. _____
Вратио _____

[Signature]
(подносилац рачуна)

Назив организације _____

Број _____

НАЛОГ ЗА СЛУЖБЕНО ПУТОВАЊЕ

Радник-ца* _____

Распоређен-на* на радном месту _____

упућује се на службени пут дана _____ 20 _____ у _____

са задатком _____

На службеном путу користи превозно средство _____

Дневница за ово службено путовање припада у износу од дин. _____

На службеном путу ће се задржати најдаље до _____ 20 _____ године,

а у року од 48 часова по повратку са службеног пута и доласку на посао, поднеће писмени извештај о обављеном службеном послу. Рачун о учињеним путним трошковима поднети у року од три дана.

Путни трошкови падају на терет: _____

Одобравам исплату аконтације у износу од динара _____

(М.П.)

Налогодавац, _____

[Signature]

6

На основу предњег налога извршио сам службено путовање и подносим следећи

ПУТНИ РАЧУН

Дневнице	Дан одласка	18.07 у 8 час.	Број час.	Број днев.	По динара	СВЕГА ДИНАРА
	Дан повратка	16.07 у 12 час.				
Превозни трошкови	од	до	Врста превоза	кп	динара	
	НОВИ САД	ЧЕЧЕЈ	АУТО	19x170,4x0,15	= 485,64	
	ЧЕЧЕЈ	НОВИ САД	АУТО	19x170,4x0,15	= 485,64	
	$38 \times 0,08 = 3,04 \times 170,4 = 487,616$					
	971,28	- 487,616			= 483,664	971,28
Остало						
Свега						971,28
Примљена аконтација						
Број прилога:			Остаје за исплату-уплату			971,28
у НОВИ САД, дана 26.07.2021. <i>Срђан</i> (подписилац рачуна)						

Потврђујем да је путовање извршено према свом налогу и одобравам исплату путног рачуна од динара _____ словима: _____

на терет _____

у _____ дана _____ 20 _____

Контролирао:

Руководилац рачуноводства,

Налогодавац,

Исплатио дин. _____
Наплатио _____

Благајник,

Примио дин. _____
Вратио _____

(подписилац рачуна)

Назив организације _____

Број _____

НАЛОГ ЗА СЛУЖБЕНО ПУТОВАЊЕ

Радник-ца* *Срђан*

Распоређен-на* на радном месту _____

упућује се на службени пут дана _____ 20 _____ у _____

са задатком _____

На службеном путу користи превозно средство _____

Дневница за ово службено путовање припада у износу од дин. _____

На службеном путу ће се задржати најдаље до _____ 20 _____ године,

а у року од 48 часова по повратку са службеног пута и доласку на посао, поднеће писмени извештај о обављеном службеном послу. Рачун о учињеним путним трошцима поднети у року од три дана.

Путни трошкови падају на терет: _____

Одобравам исплату аконтације у износу од динара _____

(М.П.)

Налогодавац,

07

ARTICO S DOO
BULEVAR UOJUNDE STEPE 48
21000 NOVI SAD

PIB: 187730128
IBAN: RS094450

Hvala na poverenju

UGRADNIK 1.5MM 70X70X30 BK 873400	199,00 B
1x 199,00	
UGRADNIK 1.5MM 70X70X30 BK 873400	199,00 B
1x 199,00	
MUNICIJA ZA NEF. 10MM 772106	189,00 B
1x 189,00	
EKSER FT 1.6X16 PLAU1/5 690479	69,00 B
1x 69,00	
HEFTALICA 4-14MM 771462 771462	1.049,00 B
1x 1.049,00	

CB: 20,00%	270,83
OB:	270,83
PT:	1.625,00
EB:	1.625,00
ET:	

ЗА УПЛАТУ:	1.625,00
КАРТИЦА:	1.625,00
УПЛАЋЕНО:	1.625,00
ПОВРАЋАЈ:	0,00

08.05.2021-10:27

БИ: 241260

KASIR:
Ilibasic Sanja




8

БСТА-В 000
Тенерински пут 22
21000 Нови Сад
021 / 6411-642
ПИБ: 101661052
НБФМ: ИА071302

1997 ЛЕТВА 3 /КМН
28x 120.00 3360.00 Б
0049 ЕКЕРИ /КП
2x 156.00 312.00 Б

СБ: 20.00%
ПБ: 612.00
ПТ: 612.00
ЕБ: 3672.00
ЕТ: 3672.00

За уплату: 3672.00
Картица: 3672.00
Уплатено: 3672.00
Повећање: 0.00
07.05.2021-09:25
БИ: 9740 

9

URADI SAM DOO
Djordja Stanojevica 35
11070 Novi Beograd
URADI SAM
Bulevar Vojvode Stepe 411
21000 Novi Sad

PIB: 102612338
MSEM: CJO20820


[71-421132]

959363	FOLIJA GRADJEVINSKA CRNA		
96x	29,00	2.701,00	F
419719	EKSER CELICNI PK 1.5x25		
1x	229,00	229,00	F
414471	ODVIJACI 7KJM		
1x	499,00	499,00	F
951881	SEKIRA DRVENA DRŠKA 600GR		
1x	1.249,00	1.249,00	F
418360	LOPATICA ZA CVECE ŠIROKA		
1x	299,00	299,00	F
404405	TESTERA SA RAMOM 533mm		
1x	699,00	699,00	F

CT:	20,00%	0,59,83
IT:		0,59,83
ET:		5.759,00
ET:		5.759,00

ZA UPATU:	5.759,00
KAPTIKA:	5.759,00
UPLAĆENO:	0,00
POBIRAJ:	0,00

B7.05.2021-07:32

BN: 195982 

80001 SEKULIC VESHA

F2

10

.....
GIGATRON DOO BEOGRAD
KIROVLJEVA 17 BEOGRAD
PRODAVNICA GIGATRON G-51
BUL. OSLOBODJENJA 119
TC. PROMENADA LOK. 875
21000 NOVI SAD

ПИБ: 102778428
ИБФМ: АЈ106250

.....
Br transakcije 42243

.....
8686008758794 WortsTeam Antartic
1x 1.189,00 1.189,00 B

.....
СБ: 20,00%
ПБ: 198,17
ПТ: 198,17
ЕБ: 1.189,00
ЕТ: 1.189,00

.....
ЗА УПЛАТУ: 1.189,00
КАРТИЦА: 1.189,00
УПЛАЋЕНО: 1.189,00
ПОВРАЋАЈ: 0,00

01.12.2021 13:26



БИ: 40245

.....
KASIR:
OPERATER 2

BRICO S" DOO
BULEVAR VOJVODE STEPE 40
21000 NOVI SAD
TEL: 021/689-58-55

IBAN: 18730128
IBAN: AF2001E2

Kuzia na poverenju
Kuzia na poverenju

MULTIBOX L 20L 767134
1x 499,00 499,00 h

Д: 20,00% 83,17
И: 83,17
П: 499,00
Б: 499,00
Л:

ЗА ПЛАТУ: 499,00
КАПИТАЛ: 499,00
ПЛАЋЕНО: 0,00
ОСТАТОК:

10.11.2021-19:49
И: 440578 **310**
310

10031 Cegar Jelena € 91

12

TR REPROSHOP

LJUBOMIR VUCIC PR
CARA DUSANA 38, NOVI SAD
IP: CARA DUSANA 38, L3
PMB: 107342434
V60M: T0044912

ZIF05 Kesice (100 kom) 280,00 R

DA: 0,00%
PA: 0,00
PT: 0,00
EA: 280,00
ET: 280,00

3A YINATY: 280,00
KAPITULA: 280,00
YINAFEHIO: 280,00
NOBPAFAO: 0,00
12. 11. 2021 12:10

BN: 9381



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info@flying-cargo.rs

PIB 100829594 Maticni broj 17356895 šifra delatnosti 5320

RACUN BR 1-27536-128/21

U Beogradu: 03.12.21

Adresa sedišta korisnika

Trg Dositeja Obradovica 8, Novi Sad

PIB **100239025**Maticni broj **08608369****POLJOPRIVREDNI FAKULTET UNIVERZITET U NOVOM SADU**UNIVERZITET U NOVOM SADU
POLJOPRIVREDNI FAKULTET
21000 NOVI SAD
SRBIJA
НОВИ САД
ДЕКАНАТ

Tel. 021/4853-280

Fax 021/450 123

Примљено: 08-12-2021			
Орг. јед.	Број	Прилог	Вредност
2000	4684		

Pošiljalac	Primalac	Usluga		Cena	Ukupno
POLJOPRIVREDNI FAKULTET	CESKA ZENEDELSKA UNIVERZITA V PRAZ	AWB 717114173	1 kom 4.5 kg	8,845.00	8,845.00
SRDJAN SEREMESIC TRG DOSITEJA OBRADOVI NOVI SAD	KAYCKA 129 165 00 PRAHA Czech Republic	Export Express DIM: 38X23X40cm	DIM: 7 kg		
		Dodatak za gorivo i bezbednost			2,388.15
Ref.: ID341422		Razlika zaokruženja			-0.15

Nacin placanja: VIRMAN


DATUM PROMETA USLUGA: 03.12.21**VALUTA placanja: 10.12.21**

Slovima: jedanaest hiljadadvestotinetrdesettri dinara

PORESKA OSNOVICA:	11,233.00
STOPA PDV:	0%
PDV¹:	0.00
UKUPNA NAKNADA:	11,233.00

¹ Oslobođeno od PDV član 24. stav 1. tačka 8. Zakona o porezu na dodatu vrednost.Uplatu izvršiti na poslovni racun FLYING CARGO YU broj **205-85917-66**kod KOMERCIJALNE Banke uz poziv na broj: **1-27536-128/21**

Za sva placanja posle roka od datuma prometa usluga zaracunavamo kamatu u visini stope zakonske zatezne kamate.


 (odgovorno lice)

(odgovorno lice)

Appendix 5.

Costs for the analysis of samples from Austria, Hungary and Serbia

5.1. Summarizing table of items

5.2. Scans of invoices

Number	Company	Item	Price	Currency
1	Fisher Scientific	Glass pipette 50 mL (2x)	5144.92	CZK
2	Penta chemicals	Potassium dichromate (1000 g) for C analysis	1955.36	CZK
3	Schoeller	Plastic (falcon) Tubes 15 mL and 50 mL	11737.00	CZK
4	Bio-Rad	Protein assay kit II. (2x)	17356.00	CZK
5	ANAMET	Materials for CNS analysis	9970.64	CZK
6	Fisher scientific	Equipment for analysis (Dosierer, micropipette, heating plate, volumetric flask, calibrated glass cylinder	33618.64	CZK
Total			79782.56	CZK



Dodavatel:

Adresát:

Fisher Scientific, spol. s r.o.
 Kosmonautů 324
 530 09 Pardubice

IČ: 45539928 DIČ: CZ45539928
 Zápis OR KS Hradec Králové, C.1920

Česká zemědělská univerzita v Praze
 Fakulta agrobiologie, potravinových a přírodních zdrojů
 Kamýcká 129
 165 21 Praha 6-Suchdol

Odběratel:

Česká zemědělská univerzita v Praze
 Kamýcká ul. 129
 165 21 Praha 6-Suchdol

IČ: 60460709 DIČ: CZ60460709

Pobočka: **Fakulta agrobiologie, potravinových a přírodních zdrojů**
 Kontaktní osoba: **Ing. Renáta Vítková**
 Zakázky: **ZP220-06083**
 Dodací listy: **DL220-07303**
 Obj.odběratele: **OBJ/2107/0064/22**
 Vystavil: **Stanislava Kišáková**
 Telefon: **466 798 239**

Datum vystavení:	17.5.2022	Bankovní spojení:	1000541004/3500
Datum uskutečnění zdan. plnění:	17.5.2022	Variabilní symbol:	220006643
Datum splatnosti:	31.5.2022	Konstantní symbol:	0008
Forma úhrady:	Bankovním převodem	Specifický symbol:	

Kód	Název zboží	Množství	MJ	Cena/MJ	Slevy	Cena/MJ po slevě	Celkem bez DPH	DPH
1790-3050	Pipeta sklopná 1000/50 ml, 7365, kompletní	2,000	ks	2 126,00		2 126,00	4 252,00	21%

Celkové součty CZK:
Rekapitulace DPH:

Položky celkem - základ:	4 252,00	Sazba	Základ CZK	DPH CZK
- DPH:	892,92	21% - doklad	4 252,00	892,92
		Doklad celkem:		5 144,92 CZK

Celkem k úhradě: **5 144,92 CZK**

Plnění faktury poukažte nepozději do data splatnosti

 Firma Fisher Scientific spol. s r.o. má uzavřenu smlouvu o sdruženém plnění se společností EKO-KOM, klientské číslo EK-F00022474
 Dodání zboží do jiného členského státu EU osobě registrované k DPH je osvobozené od daně dle par.64 zákona 235/2004 Sb.

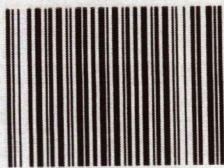
Děkujeme Vám za Váš nákup.

Ujistíme Vás, že na námi dodávané výrobky bylo vydáno "Prohlášení o shodě" v souladu s ustanovením paragrafu 13 zákona č.22/97 sbírky. Příslušné doklady jsou založeny v naší technické kanceláři.

Fakturu převzal:

penta CHEMICALS
UNLIMITED

23-05-2022



2206922

Faktura - daňový doklad

900202954

Variabilní symbol 900202954
Objednávka OBJ/2107/0063/22

Dodavatel Ing. Petr Švec - PENTA s.r.o.
Radiová 1122/1, 102 00 Praha
IČ: 02096013
DIČ: CZ02096013
OR - Městský soud Praha, oddíl C,
vložka 215400 z 17.9.2013
e-mail: info@pentachemicals.eu
www.pentachemicals.eu
Banka: Komerční banka, a.s.
Bankovní účet: 107-5556760227/0100
IBAN: CZ1501000001075556760227

Odběratel Česká zemědělská univerzita v Praze
(1339) Kamýcká 129/129
165 00 Praha
IČ: 60460709
DIČ: CZ60460709

Kontakt Ing. Vítková Renáta, tel. 224382736

Datum vystavení dokladu 20.05.2022
Datum usk. zdanitelného plnění 20.05.2022
Splatnost 03.06.2022
Forma úhrady Platebním příkazem
Dopravné Dle ceníku

Místo určení Česká zemědělská univerzita v Praze
Katedra agroenvironmentální chemie a výživy rostlin
Kamýcká 129
160 00 Praha 6

Kód zboží	Název zboží Poznámka	Množství	MJ	DPH	Jedn. cena bez DPH	Sleva	Jedn. cena bez DPH po slevě	Celk. cena bez DPH po slevě
12510-31000	DICHROMAN DRASELNÝ p.a. 1000 g šarže: 2611111121 1 ks expirace: 30.11.2026	1,00	ks	21 %	1 467,00		1 467,00	1 467,00
91040-00000	Dopravné	1,00	ks	21 %	149,00		149,00	149,00
Použití látky je regulováno dle nařízení REACH příloha XIV (látku lze využívat pro analytické, vědecké a výzkumné účely)								
Spoučet položek								1 616,00

Celkem k úhradě

1 955,36 Kč

Rekapitulace DPH	Sazba %	Základ v Kč	DPH	Celkem v Kč
Základní sazba	21	1 616,00	339,36	1 955,36
		1 616,00	339,36	1 955,36

21 140 / 1540 / 5409

24.5. přijí



Výdejka - Dodací list

Dodavatel

Schoeller Pharma Praha s.r.o.
Jihočeská 514/8
148 00 Praha 4 - Kunratice
CZ

Odběratel

ČESKÁ ZEMĚDĚLSKÁ UNIVERZITA
V PRAZE
Kamýcká 129
165 21 Praha 6 - Suchdol
CZ

IČO: 49681541

DIČ: CZ49681541

IČO: 60460709

DIČ: CZ60460709

Faktura: 15/2022/767
Číslo objednávky: OBJ/2107/0061/22
Ze dne: 13.05.2022

Příjemce
ČESKÁ ZEMĚDĚLSKÁ
UNIVERZITA V PRAZE
Kamýcká 129
165 21 Praha 6 - Suchdol
CZ

Objednal: Ing. Renáta Vítková

IČO: 60460709 DIČ: CZ60460709

Datum vystavení: 13.05.2022
Datum vydání: 00.00.0000

Sklad: ZB - Zboží
Popis: doc. Ing. Martin Kulhánek, Ph.D.

Katedra agroenvironmentální chemie a výživy rostlin

doc. Ing. Martin Kulhánek, Ph.D.
Tel.: 224 382 729
Email: kulhanek@af.czu.cz

Ing. Renáta Vítková
Tel. : 224 382 736
E-mail : vitkovar@af.czu.cz

Zakázka: 15/2022/659

Strana: 1/1

Výdejka: 15/2022/867

Název zboží	Množství	Prodejní cena s DPH
NUN 339652 Conical Centrifuge Tubes bulk 50 ml (500 ks)	1,00 bal	5 844,30 Kč
NUN 339650 Conical Centrifuge Tubes bulk 15 ml (500 ks)	1,00 bal	5 892,70 Kč
Celkem:		11 737,00 Kč

Výše uvedené zboží splňuje všechny požadavky české legislativy a legislativy Evropské unie (EU) a tím i všechny podmínky pro jeho volný pohyb po celé EU. Zboží zůstává majetkem dodavatele až do úplného zaplacení kupní ceny.

Dne: 13.05.2022
Vystavil: Irena Vrtilšková

Dne:
Zkontroloval:
Jméno, podpis

Dne:
Příjemce:
Jméno, podpis

Schoeller Pharma Praha s.r.o.
Jihočeská 514/8, Praha 4, 148 00
IČ: 49681541 • DIČ: CZ49681541
www.schoeller.cz

Daňový doklad

9848508648

Datum vystavení: 18-KVĚ-2022
Naše reference: 1005888137
Vaše číslo obj.: OBJ/2107/0062/22

Odběratel: 1082372

ČESKÁ ZEMĚDĚLSKÁ UNIVERZITA V PRAZE
Kamýcká 129
165 00 Praha
Česká republika

Fakturační adresa: 1082372

ČESKÁ ZEMĚDĚLSKÁ UNIVERZITA V PRAZE
Kamýcká 129
165 00 Praha
Česká republika

Dodací adresa: 1082372

ČESKÁ ZEMĚDĚLSKÁ UNIVERZITA V PRAZE
Katedra agroenvironmentální chemie a výž
Kamýcká 129
165 00 Praha
Česká republika

DUZP 17-KVĚ-2022

DIČ: CZ60460709
IČO 60460709
Kontaktní osoba Ing. Renáta Vítková
Dodací podmínky DDP PRAHA

Řádek	Číslo produktu Sériové číslo	Množství	Jedn.	Popis	Jednotková cena	Částka	DPH Sazba
10	5000002 Dodací informace:	2	ks	Bio-Rad Protein Assay Kit II 8008529246 17-KVĚ-2022 / =	6.850,00	13.700,00	

Bankovní spojení

Citibank Europe plc
PRAGUE

IBAN CZ10 2600 0000 0020 6328 0205
SWIFT/BIC CITICZPXXXX
Účet 2063280205
Kód banky 2600

Mezisoučet 13.700,00
Doprava: 644,00

Částka bez DPH CZK 14.344,00
Částka DPH CZK 3.012,24
Celkem CZK 17.356,24

Souhrn DPH

Sazba 21,00 %

Částka bez DPH 14.344,00

Částka DPH 3.012,24

DUZP 18-KVĚ-2022

Platební podmínky

Datum splatnosti Až k 08.06.2022 beze srážky

Sledovací číslo 304673137746 304673137760

DIČ: CZ49243764

Dodavatel je registrován pod spisovou značkou Oddíl C, vl. 20503 ze dne 01.05.1993 u Městského soudu v Praze. Ceny všech elektrozařízení zahrnují poplatky za likvidaci elektroodpadu dle zákona č. 185/2001 Sb. v platném znění ve smyslu vyhlášky 352/2005 Sb. Tyto komodity, technologie nebo software byly dodány v souladu s exportními a administrativními omezeními Evropské unie a Spojených států. Jednání proti těmto omezením je nepřipustné.

Tato objednávka podléhá standardním obchodním podmínkám společnosti Bio-Rad, které jsou dostupné na adrese www.bio-rad.com/terms-conditions

Doručovací adresa
ČESKÁ ZEMĚDELSKÁ UNIVERZITA V PRAZE
Katedra agroenvironmentální chemie a výž
Kamyčká 129
165 00 PRAHA
CZECH REPUBLIC
Datum 17-MAI-2022

Odesílatel
Bio-Rad Laboratories, Inc.
Bio-Rad Europe GmbH
(EDCE - Leipzig)
Eschenallee 5
06184 KABELSKETAL
GERMANY

Dodávka 8698567
ECC Delivery : 8008529246
Převravec : LSI Eastern CZ - 24
Sledovací číslo zásilky :
Nákupní objednávka : OBJ/2107/0062/22



Adresát : 224382736, Vítková

Objednané množství	Odeslané množství	Měrná jednotka	Zboží	Popis	Šarže	Datum expirace	Bezpečnostní kontrola	Bezpečnostní třída	Přepavní jednotka

Bio-Rad Protein Assay Kit II

2,000	2,000	EA	5000006	Bio-Rad Protein Assay Dye Reagent Conc	64458935	18-DEZ-2024	HAZ	3/JUN2924	11111110125773821
2,000	2,000	EA	5000007	Protein Standard II, BSA (yophil), 20 ml	64456607	28-AUG-2023			11111110125773548

Celkový počet balíčků : 2

Bezpečnostní listy jsou dostupné na stránkách www.bio-rad.com. V případě dotazů ohledně Vaší zásilky se prosím do 5-ti dnů od obdržení zboží obraťte na lokální pobočku Bio-rad. Kontakty na lokální pobočky naleznete na www.bio-rad.com/contact. Niže naleznete pohotovostní kontakt, který prosím využijte pouze v případech vystavení požáru, havárie či jiného poškození výrobku. Mezinárodní kontakt: +1-703-527-3887
Kontakt pro USA: 1-800-424-9300 UPOZORNĚNÍ: Informace o správném skladování naleznete na štítku výrobku.

Doručovací adresa:

ČESKÁ ZEMĚDĚLSKÁ UNIVERZITA V PRAZE
Katedra agroenvironmentální chemie a výž
Kamýcká 129

165 00 PRAHA
CZECH REPUBLIC

Adresát: 224382736, Vítková

Odesílatel

Bio-Rad Laboratories, Inc.
DE DC EHQ EDCE (Leipzig)
Eschenallee 5
Grosskugel
06184 KABELSKETAL
GERMANY

Datum: 17-KVĚ-2022
Nákupní objednávka: OBJ/2107/0062/22



Balení: 111111110125773821

Objednané množství	Odeslané množství	Měrná jednotka	Zboží	Popis	Šarže	Datum expirace	Bezpečnostní třída	Nákupní objednávka	Zakázka odběratele	Dodávka
			5000002	Bio-Rad Protein Assay Kit II						
2	2	ks	5000006	Bio-Rad Protein Assay Dye Reagent Conc	64458935	18-PRO-2024	3/UN2924	OBJ/2107/0062/22	1005888137	8008529246

Bezpečnostní listy jsou dostupné na stránkách www.bio-rad.com.

V případě dotazů ohledně Vaší zásilky se prosím do 5-ti dnů od obdržení zboží obraťte na lokální pobočku Bio-rad. Kontakty na lokální pobočkynaleznete na www.bio-rad.com/contact.

Niže naleznete pohotovostní kontakt, který prosím využijte pouze v případech vystavení požáru, havárie či jiného poškození výrobku. Mezinárodní kontakt: For Hazardous Materials Incident, Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night +1 703-741-5970
UPOZORNĚNÍ: Informace o správném skladování naleznete na štítku výrobku.

Doručovací adresa:
ČESKÁ ZEMĚDĚLSKÁ UNIVERZITA V PRAZE
Katedra agroenvironmentální chemie a výž
Kamyčka 129

165 00 PRAHA
CZECH REPUBLIC

Odesílatel
Bio-Rad Laboratories, Inc.
DE DC EQ EDCE (Leipzig)
Eschenallee 5
Grosskugel
06184 KABELSKETAL
GERMANY

Datum: 17-KVĚ-2022
Nákupní objednávka: OBJ/2107/0062/22



Balení: 11111110125773548

Adresa: 224382736, Vitkova

Objednané množství	Odeslané množství	Měrná jednotka	Zboží	Popis	Šarže	Datum expirace	Bezpečnostní třída	Nákupní objednávka	Zakázka odběratele	Dodávka
2	2	ks	5000007	Protein Standard II, BSA lyophil, 20 ml	64456607	28-SRP-2023		OBJ/2107/0062/22	1005888137	8008529246
			5000002	Bio-Rad Protein Assay Kit II						

Bezpečnostní listy jsou dostupné na stránkách www.bio-rad.com.

V případě dotazu ohledně Vaší zásilky se prosím do 5-ti dnů od obdržení zboží obraťte na lokální pobočku Bio-rad. Kontakty na lokální pobočky naleznete na www.bio-rad.com/contact.

Niže naleznete pohotovostní kontakt, který prosím využijte pouze v případech vystavení požáru, havárie či jiného poškození výrobku. Mezinárodní kontakt:
For Hazardous Materials Incident, Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night +1 703-741-5970
UPOZORNĚNÍ: Informace o správném skladování naleznete na štítku výrobku.

Dodavatel:

ANAMET s.r.o.
Kovářů 26
150 00 Praha 5

IČ: 25652150

DIČ: CZ25652150

vedeno u Městského soudu v Praze, oddíl C, vložka 58244.

Odběratel:

IČ: 60460709

DIČ: CZ60460709

Česká zemědělská univerzita v Praze
Kamýcká 129
165 21 Praha 6 - Suchdol

Banka: Fio banka, a.s.

SWIFT: FIOBCZPPXXX

IBAN: CZ5520100000002201971267

Číslo účtu 2201971267 Kód banky: 2010

Konečný příjemce:

Česká zemědělská univerzita v Praze, KAVR
 Ing. Najmanová, Kamýcká 129
 165 21 Praha 6

Variabilní symbol:

2201302

Datum vystavení:

16.06.2022

Datum splatnosti:

30.06.2022

Datum uskutečnění plnění:

16.06.2022

Objednávka č.: OBJ/2107/0090/22

ze dne: 15.06.2022

Forma úhrady:

Převod

Označení dodávky	Množství	J.cena	Sleva	Cena	%DPH	DPH	Kč Celkem
Fakturuje Vám zboží dle Vaší objednávky:							
S05 000 699:Copper, wire, 100g	4ks	850,00	0%	3 400,00	21%	714,00	4 114,00
11.02-1063/4:Ash crucibles, quartz, 60mm	8ks	380,00	0%	3 040,00	21%	638,40	3 678,40
79610:Phosphorus pentoxide, 500g	1ks	1 800,00	0%	1 800,00	21%	378,00	2 178,00
Součet položek				8 240,00		1 730,40	9 970,40
CELKEM K ÚHRADĚ							9 970,40

!!POZOR - změna účtu!!

Nové číslo účtu u Fio banky: 2201971267/2010

Dovolujeme si Vás upozornit, že v případě nedodržení data splatnosti uvedeného na faktuře Vám budeme účtovat úrok z prodlení v dohodnuté, resp. zákonné výši a smluvní pokutu (byla-li sjednána).



QR Platba+F

Rekapitulace DPH v Kč:

Základ v Kč	Sazba	DPH v Kč	Celkem s DPH v Kč
0,00	0%		
0,00	10%	0,00	0,00
0,00	15%	0,00	0,00
8 240,00	21%	1 730,40	9 970,40

Převzal:

Razítko:



Dodavatel: Fisher Scientific spol. s r.o. Kosmonautů 324 530 09 Pardubice IČ: 45539928 DIČ: CZ45539928 Zápis OR KS Hradec Králové, C.1920		Adresát: Česká zemědělská univerzita v Praze Kamýcká ul. 129 165 21 Praha 6-Suchdol	
Odběratel: Česká zemědělská univerzita v Praze Kamýcká ul. 129 165 21 Praha 6-Suchdol IČ: 60460709 DIČ: CZ60460709		Pobočka: Kontaktní osoba: Fakulta ŽP Zakázky: Ing. Renáta Vítková Dodací listy: ZP220-07453 Obj.odběratele: DL220-08922 Vystavil: OBJ/2107/0089/22 Telefon: Stanislava Kišáková 466 798 239	
Datum vystavení: 14.6.2022 Datum uskutečnění zdan. plnění: 14.6.2022 Datum splatnosti: 28.6.2022 Forma úhrady: Bankovním převodem		Bankovní spojení: 1000541004/3500 Variabilní symbol: 220008194 Konstantní symbol: 0008 Specifický symbol:	

Kód	Název zboží	Množství	MJ	Cena/MJ	Slevy	Cena/MJ po slevě	Celkem bez DPH	DPH
4021-1100	Dávkovač VD 10.0 ml	1,000	ks	3 155,00		3 155,00	3 155,00	21%
6111-2027	Míchadlo IKAMAG C-MAG HS 7	1,000	ks	16 200,00		16 200,00	16 200,00	21%
	<i>Ekologický poplatek</i>	<i>1,000</i>	<i>ks</i>	<i>13,00</i>			<i>13,00</i>	<i>21 %</i>
4058-0008	Mikropipeta Fisherbrand Elite, 100-1000 ul	1,000	ks	4 715,00		4 715,00	4 715,00	21%
1353-1049	Baňka odměrná plastová zátka A, 5000 ml	1,000	ks	2 945,00		2 945,00	2 945,00	21%
1561-1130	Válec odměrný vysoký A 100ml, 1634/AM modrý potisk	4,000	ks	189,00		189,00	756,00	21%

Celkové součty CZK:

Položky celkem - základ:	27 784,00
- DPH:	5 834,64

Rekapitulace DPH:

Sazba	Základ CZK	DPH CZK
21% - doklad	27 784,00	5 834,64
Doklad celkem:	33 618,64 CZK	

Celkem k úhradě: 33 618,64 CZK
Ekologický poplatek celkem bez DPH: 13,00 CZK

Plnění faktury poukažte nepozději do data splatnosti

Firma Fisher Scientific spol. s r.o. má uzavřenu smlouvu o sdruženém plnění se společností EKO-KOM, klientské číslo EK-F00022474

Dodání zboží do jiného členského státu EU osobě registrované k DPH je osvobozené od daně dle par.64 zákona 235/2004 Sb.

Děkujeme Vám za Váš nákup.

Ujistíme Vás, že na námi dodávané výrobky bylo vydáno "Prohlášení o shodě" v souladu s ustanovením paragrafu 13 zákona č.22/97 sbírky. Příslušné doklady jsou založeny v naší technické kanceláři.



Dodavatel: Fisher Scientific, spol. s r.o. Kosmonautů 324 530 09 Pardubice IČ: 45539928 DIČ: CZ45539928 Zápis OR KS Hradec Králové, C.1920		Adresát: Česká zemědělská univerzita v Praze Kamýcká ul. 129 165 21 Praha 6-Suchdol	
Odběratel: Česká zemědělská univerzita v Praze Kamýcká ul. 129 165 21 Praha 6-Suchdol IČ: 60460709 DIČ: CZ60460709		Datum: 14.6.2022 Zakázka: ZP220-07453 Vystavil: Kišáková Stanislava Telefon: 466 798 239 Referent:	
Počet bodů: 0 Počet výdejků: 1 Dodací místo: Česká zemědělská univerzita v Praze - Fakulta ŽP, KAVR, doc. Ing. Martin Kulhánek, Ph.D., Kamýcká 129, 165 21 Praha 6 Suchdol, tel: +420 22438 2729 Rokos		Kontaktní osoba: Ing. Renáta Vítková telefon: 224 382 736 fax:	
Dopravce:			

Kód	Název zboží	Množství MJ	Obj.odb.	Označ.	Obal	S/N
1353-1049	Baňka odměrná plastová zátka A, 5000 ml	1,000 ks	OBJ/2107/0089/22			
4021-1100	Dávkovač VD 10.0 ml	1,000 ks	OBJ/2107/0089/22			100958900
6111-2027	Míchadlo IKAMAG C-MAG HS 7	1,000 ks	OBJ/2107/0089/22			
4058-0008	Mikropipeta Fisherbrand Elite, 100-1000 ul	1,000 ks	OBJ/2107/0089/22			
1561-1130	Válec odměrný vysoký A 100ml, 1634/AM modrý potisk	4,000 ks	OBJ/2107/0089/22			

Zboží a dodací list převzal:

Předal:

Dušan Rokos